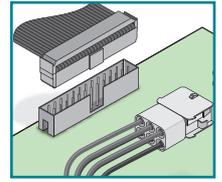


Internal Equipment Connection
Pages 1 - 78

Terminals & Splices
Pages 139 - 156

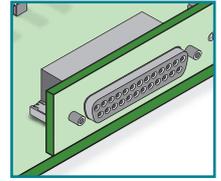
Memory & Socket Products
Pages 126 - 138



Internal Equipment Connection

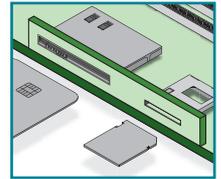
Product Family	Centreline (mm)	Current Rating (A)	Page	Board to Board	Wire to Board Discrete Wire	Wire to Board Flat Cable	Wire to Wire Discrete Wire	Wire to Wire Flat Cable	Backplane	Flat Cable
Free Height / COM Express	0.50	0.5	1	•						
FFC / FPC	0.50	0.5	2			•				
MICTOR	0.64	1.0	4	•						
0.8mm Free Height	0.80	0.5	5	•						
FFC / FPC	1.00	1.0	2 - 3			•				
1.0mm Free Height	1.00	0.5	6	•						
FFC / FPC	1.25	1.0	3			•				
Densipac	1.25	0.5	71						•	
AMPMODU 50/50	1.27	0.5	7	•						
Serial ATA	1.27	1.0	8			•				
Flat Ribbon Cable	1.27	1.0	78							•
Advanced Mezzanine Card (xTCA)	1.40	1.0	72						•	
Multigig Vita 41/46	1.80	1.0	73						•	
CT	2.00	4.0	9 - 10		•					
HPI	2.00	3.0	11		•					
Z-PACK Futurebus	2.00	1.5	74						•	
2mm Compact PCI	2.00	1.5	75						•	
Mini-Match	2.50	3.0	12	•						
HPI	2.50	3.0	11		•					
ATCA	2.50	1.0	76						•	
Flexstrip Jumpers	2.54	3.0	13	•						
Multi-Beam XL	2.54	35.0	14	•						
AMPMODU HV-100/190	2.54	3.0	15 - 16	•						
AMPMODU MOD II/IV/V	2.54	3.0	17 - 25	•	•		•			
AMPMODU Locking Clip	2.54	3.0	26		•					
HE 14	2.54	3.0	27 - 28		•					
CST-100 II	2.54	4.0	29		•					
MTA-100	2.54	5.0	30 - 32		•	•	•	•		
Micro-Match	2.54	1.5	33 - 35	•	•	•				
AMP-Latch	2.54	1.0	36 - 38			•				
DIN41612	2.54	1.0	77						•	
Micro MATE-N-LOK	3.00	5.0	39 - 41		•		•			
Terminal Blocks	3.50	13.5	42, 44-46		•					
Terminal Blocks	3.81	13.5	42, 44-46		•					
AMPMODU MOD I	3.96	5.0	47 - 48		•					
SL-156	3.96	10.0	49		•					
MTA-156	3.96	7.0	50 - 52		•	•	•	•		
Mini Universal MATE-N-LOK	4.14	9.5	53 - 57		•		•			
4.2mm PE	4.20	9.0	58 - 59		•		•			
Commercial MATE-N-LOK	4.95	19.0	60 - 63		•		•			
Terminal Blocks	5.00	15.0	42 - 46		•					
Terminal Blocks	5.08	15.0	42 - 46		•					
Commercial MATE-N-LOK	5.08	19.0	60 - 63		•		•			
Commercial MATE-N-LOK	6.09	19.0	60 - 63		•		•			
.140 MATE-N-LOK	6.09	28.0	64 - 65				•			
Universal MATE-N-LOK	6.35	19.0	66 - 70		•		•			
Terminal Blocks	7.62	24.0	42		•					





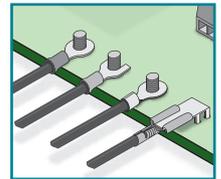
Input / Output Connectors

Product Family	Page	D-Sub	SCSI / IEEE 1284	Modular Plugs & Jacks	Consumer Standards	High Speed Interconnect	USB / IEEE 1394	Circular	Rectangular	RF Coax Products	Fibre Optic Products
Amplimite	79 - 85	•									
Amplimite .050	86		•								
CHAMP	87 - 88		•								
Modular Jacks	89			•							
Modular Jacks with Magnetics	90			•							
Shielded Data Link	91			•							
HDMI / DVI / Scart / RCA	92				•						
High Speed Serial Connectors	93 - 94					•					
Short Form-Factor Pluggable	95					•					
USB / IEEE 1394	96						•				
Circular DIN / Mini DIN	97							•			
DC Jacks	98							•			
TRIAD 01	99							•			
Micro CPC	100							•			
Miniature CPC	101							•			
CPC	102 - 106							•			
M8 / M12	107 - 109							•			
HTS	110 - 116								•		
RF Connectors	117 - 123									•	
Antennas	124									•	
Fibre Optic	125										•



Memory & Socket Products

Product Family	Page	IC Sockets	PLCC Sockets	µPGA / Thermal Solutions	Memory / DIMM Sockets	Battery Connectors	Smart Card Connectors	Memory Card Connectors
DIP Sockets	126	•						
Holtite Solderless Sockets	127	•						
PLCC Sockets	128 - 129		•					
µPGA / Thermal Solutions	130			•				
Memory / DIMM Sockets	131				•			
PCI Express / PCI Connectors	132				•			
Battery Connectors	133					•		
Smart Card Connectors	134						•	
SIM Card Connectors	135						•	
PCMCIA	136 - 137							•
Removable Card Products	138							•



Terminals & Splices

Product Family	Page	Uninsulated Terminals & Splices	Insulated Terminals & Splices	Quick Connect / Disconnect
SOLISTRAND	139 - 142	•		
PLASTI-GRIP	143 - 145		•	
PIDG	146 - 149		•	
FASTON	150 - 152			•
FASTIN-FASTON	153 - 154			•
Positive Lock	155 - 156			•

At Tyco Electronics, we're ready to support your RoHS requirements. We've assessed more than 1.5 million end items/components for RoHS compliance, and issued new part numbers where any change was required to eliminate the restricted materials. Part numbers in this catalogue are identified as:

RoHS Compliant

Part numbers in this catalogue are RoHS Compliant..

These products comply with European Union Directive 2002/95/EC as amended 1 January 2006 that restricts the use of lead, mercury, cadmium, hexavalent chromium, PBB, and PBDE in certain electrical and electronic products sold into the EU as of 1 July 2006.

Notes:

For purposes of this Catalogue, included within the definition of RoHS Compliant are products that are clearly "Out of Scope" of the RoHS Directive such as hand tools and other non-electrical accessories.

Information regarding RoHS compliance is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change. For latest compliance status, refer to our website referenced below.

Getting the Information You Need

Our comprehensive on-line RoHS Customer Support Centre provides a forum to answer your questions and support your RoHS needs. A RoHS FAQ (Frequently Asked Questions) is available with links to more detailed information. You can also submit RoHS questions and receive a response within 24 hours during a normal work week. The Support Centre also provides:

- Cross-Reference from Non-compliant to Compliant Products
- Ability to browse RoHS Compliant Products in our on-line catalogue:
<http://ecommas.tycoelectronics.com/commerce/alt/RohsAltHome.do>
- Downloadable Technical Data Customer Information Presentation
- More detailed information regarding the definitions used above



So whatever your questions when it comes to RoHS, we've got the answers at www.tycoelectronics.com/leadfree

AMP

Elo Touchsystems

OEG

Augat

Hartman

Potter & Brumfield

Axicom

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Kilovac

Raychem

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Microdot Connectors

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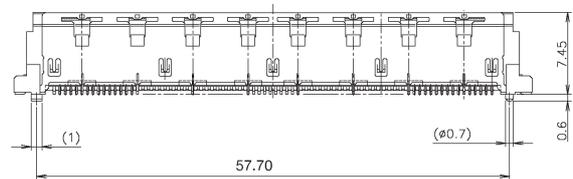
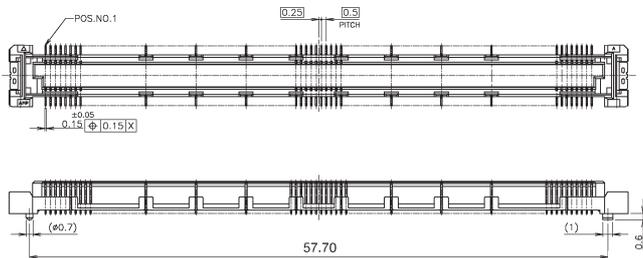
Free Height / COM Express

- 220 & 440 position
- Part has been chosen by PICMG Com Express working group for the embedded module & carrier card interface

Specification:

Current Rating - 0.5A

Durability - 30 mating cycles



No. of Positions	Product Description	Mounting Style	Stacking Height	Part Number
220	Receptacle	SMT	-	3-6318490-6
220	Plug	SMT	8 mm	3-6318491-6
440 (2 x 220)	Plug	SMT	5 mm	3-1827233-6
440 (2 x 220)	Plug	SMT	8 mm	3-5353652-6
440 (2 x 220)	Receptacle	SMT	-	3-1827231-6

*Search for distributor
inventory at*

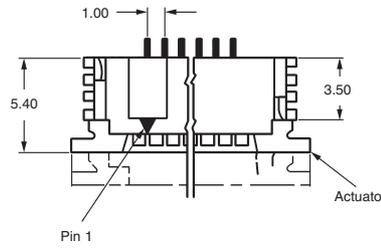
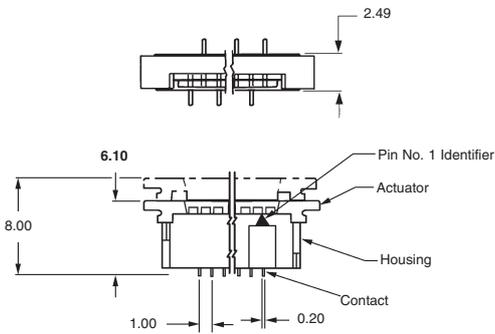
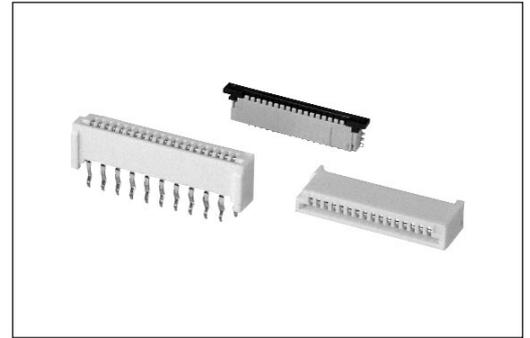
www.tycoelectronics.com

FFC / FPC Connectors

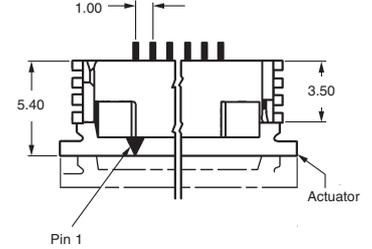
- Available in ZIF & non ZIF versions
- 0.50mm to 1.25mm centrelines
- Surface mount, through hole, vertical and right angle mounting options

Specification:

- Housing** - High temperature thermoplastic, UL 94V-0, natural colour
- Contacts** - Phosphor bronze
- Actuator** - Thermoplastic, UL94V-0,
- Hold down** - Phosphor bronze



Top Contact Type



Bottom Contact Type

0.50mm Pitch Top Contact - Right Angle - SMT

No. of Contacts	ZIF	Part Number
10	Yes	1-1734839-0
14	Yes	1-1734839-4
16	Yes	1-1734839-6
18	Yes	1-1734839-8
20	Yes	2-1734839-0
30	Yes	3-1734839-0

0.50mm Pitch Bottom Contact - Right Angle - SMT

No. of Contacts	ZIF	Part Number
10	Yes	1-1734592-0
14	Yes	1-1734592-4
16	Yes	1-1734592-6
18	Yes	1-1734592-8
20	Yes	2-1734592-0
30	Yes	3-1734592-0

1.00mm Pitch Vertical Mount - Through Hole

No. of Contacts	ZIF	Part Number
4	No	84984-4
6	No	84984-6
8	No	84984-8
10	No	1-84984-0
14	No	1-84984-4
16	No	1-84984-6
20	No	2-84984-0
24	No	2-84984-4
26	No	2-84984-6
30	No	3-84984-0

FFC / FPC Connectors (continued)

1.00mm Pitch

Top Contact - Right Angle - SMT

No. of Contacts	ZIF	Part Number
4	Yes	84953-4
6	Yes	84953-6
8	Yes	84953-8
10	Yes	1-84953-0
12	Yes	1-84953-2
14	Yes	1-84953-4
16	Yes	1-84953-6
18	Yes	1-84953-8
20	Yes	2-84953-0
22	Yes	2-84953-2
24	Yes	2-84953-4
26	Yes	2-84953-6
30	Yes	3-84953-0

1.00mm Pitch

Bottom Contact - Right Angle - SMT

No. of Contacts	ZIF	Part Number
4	Yes	84952-4
6	Yes	84952-6
8	Yes	84952-8
10	Yes	1-84952-0
12	Yes	1-84952-2
14	Yes	1-84952-4
16	Yes	1-84952-6
18	Yes	1-84952-8
20	Yes	2-84952-0
22	Yes	2-84952-2
24	Yes	2-84952-4
26	Yes	2-84952-6
30	Yes	3-84952-0

1.25mm Pitch

Vertical Mount - Through Hole

No. of Contacts	ZIF	Part Number
4	No	84534-4
6	No	84534-6
8	No	84534-8
10	No	1-84534-0
14	No	1-84534-4
16	No	1-84534-6
20	No	2-84534-0
24	No	2-84534-4
26	No	2-84534-6
30	No	3-84534-0

1.25mm Pitch

Top Contact - Right Angle - Through Hole

No. of Contacts	ZIF	Part Number
4	No	84533-4
6	No	84533-6
8	No	84533-8
10	No	1-84533-0
14	No	1-84533-4
16	No	1-84533-6
20	No	2-84533-0
24	No	2-84533-4
26	No	2-84533-6
30	No	3-84533-0



MICTOR Board-to-Board Stacking Connector

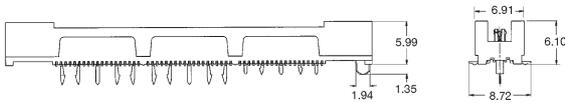
- Uses SMT technology
- 0.64mm centre line
- Designed for 50 ohm systems
- UL & CSA approved
- Connector housings polarised for correct mating
- Built-in connector-to-board retention feature
- Data rate 3.125 Gb/s

Specification:

Housing	- LCP
Contacts	- 0.76µm gold over nickel
Durability	- 25 mating cycles

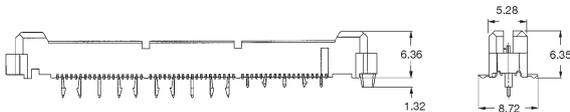


Vertical Receptacles - for all Stacking Heights



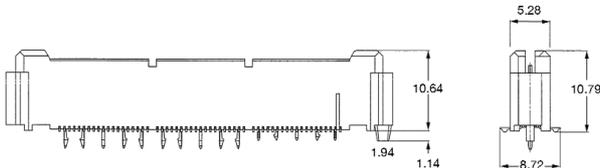
No. of Positions	Part Number
38	2-5767004-2
76	2-5767004-3
114	2-5767004-4
152	2-5767004-5
190	2-5767004-6
228	2-5767004-7
266	2-5767004-8

Vertical Plug - To make Stacking Height 6.60mm



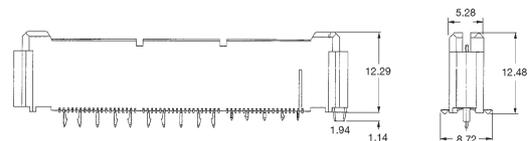
No. of Positions	Part Number
38	5767007-8
76	5767007-9
114	1-5767007-0
152	1-5767007-1
190	1-5767007-2
228	1-5767007-3
266	1-5767007-4

Vertical Plug - To make Stacking Height 10.92mm



No. of Positions	Part Number
38	5767003-9
76	1-5767003-0
114	1-5767003-1
152	5767003-8
190	1-5767003-2
228	1-5767003-3
266	1-5767003-4

Vertical Plug - To make Stacking Height 12.57mm



No. of Positions	Part Number
38	5767005-8
76	5767005-9
114	1-5767005-0
152	1-5767005-1
190	1-5767005-2
228	1-5767005-3
266	1-5767005-4

0.8mm Free Height Stacking Connectors

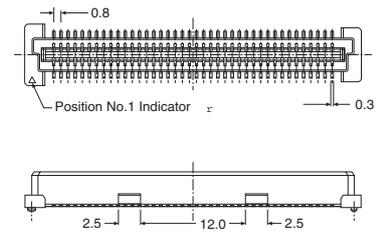
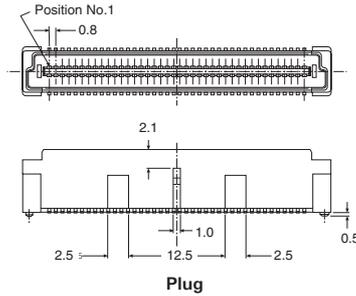
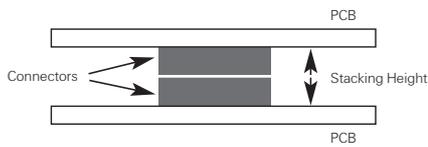
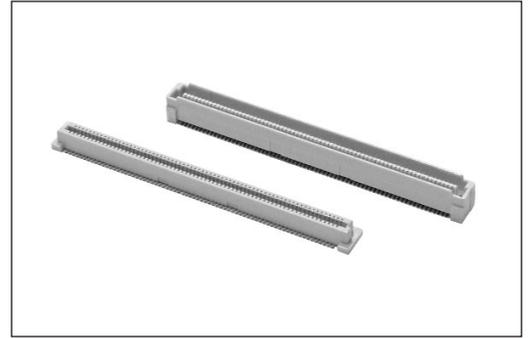
- For parallel board stacking applications
- High density packaging on 0.80mm centreline spacing
- UL approved

Specification:

Housing - High temperature thermoplastic

Contacts - Gold over nickel

Current Rating - 0.5A



Plug

Receptacle

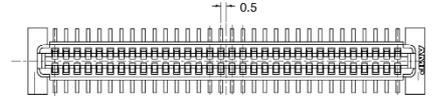
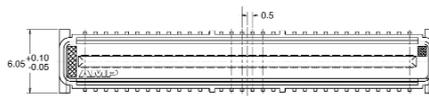
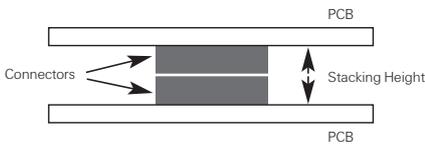
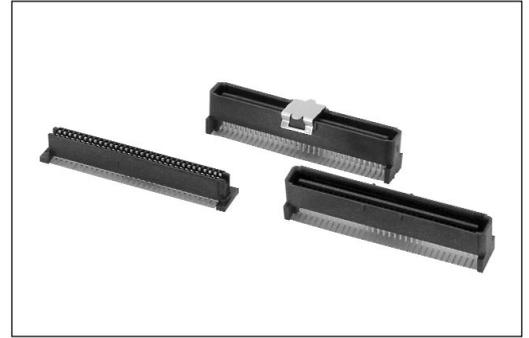
Connector Type	No. of Positions	Mounting Style	Stacking Heights (mm)								Part Number	
			5mm	6mm	7mm	8mm	9mm	10mm	11mm	12mm		
Plug	40	SMT	●					●				5177984-1
Plug	60	SMT	●					●				5177984-2
Plug	80	SMT	●					●				5177984-3
Plug	100	SMT	●					●				5177984-4
Plug	120	SMT	●					●				5177984-5
Plug	140	SMT	●					●				5177984-6
Plug	40	SMT		●					●			5179029-1
Plug	60	SMT		●					●			5179029-2
Plug	80	SMT		●					●			5179029-3
Plug	100	SMT		●					●			5179029-4
Plug	120	SMT		●					●			5179029-5
Plug	140	SMT		●					●			5179029-6
Plug	40	SMT				●				●		5179030-1
Plug	60	SMT				●				●		5179030-2
Plug	80	SMT				●				●		5179030-3
Plug	100	SMT				●				●		5179030-4
Plug	120	SMT				●				●		5179030-5
Plug	140	SMT				●				●		5179030-6
Plug	40	SMT					●				●	5179031-1
Plug	60	SMT					●				●	5179031-2
Plug	80	SMT					●				●	5179031-3
Plug	100	SMT					●				●	5179031-4
Plug	120	SMT					●				●	5179031-5
Plug	140	SMT					●				●	5179031-6
Receptacle	40	SMT	●	●	●	●						5177983-1
Receptacle	60	SMT	●	●	●	●						5177983-2
Receptacle	80	SMT	●	●	●	●						5177983-3
Receptacle	100	SMT	●	●	●	●						5177983-4
Receptacle	120	SMT	●	●	●	●						5177983-5
Receptacle	140	SMT	●	●	●	●						5177983-6
Receptacle	40	SMT						●	●	●	●	5-5179009-1
Receptacle	60	SMT						●	●	●	●	5-5179009-2
Receptacle	80	SMT						●	●	●	●	5-5179009-3
Receptacle	100	SMT						●	●	●	●	5-5179009-4
Receptacle	120	SMT						●	●	●	●	5-5179009-5
Receptacle	140	SMT						●	●	●	●	5-5179009-6

1.0mm Free Height Stacking Connectors (IEEE 1386)

- For parallel board stacking applications
- High density packaging on 1.00mm centreline spacing
- UL approved

Specification:

- Housing** - High temperature thermoplastic
Contacts - Gold over nickel
Current Rating - 0.5 A



Connector Type	No. of Positions	Mounting Style	Features	Stacking Heights (mm)					Part Number
				8mm	9mm	11mm	13mm	14mm	
Plug	64	SMT	With Locating Posts, Without Pickup Cap	●					5120525-1
Plug	64	SMT	With Locating Posts, With Pickup Cap		●	●		●	5146898-1
Plug	64	SMT	With Locating Posts, With Pickup Cap				●		5146888-1
Receptacle	64	SMT	With Locating Posts, Without Pickup Cap	●					5120521-1
Receptacle	64	SMT	With Locating Posts, With Pickup Cap		●				5146893-1
Receptacle	64	SMT	With Locating Posts, With Pickup Cap			●			5146894-1
Receptacle	64	SMT	With Locating Posts, With Pickup Cap				●		5146895-1
Receptacle	64	SMT	With Locating Posts, With Pickup Cap					●	5146896-1

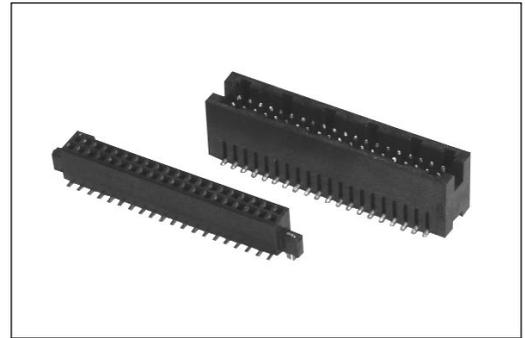


AMPMODU 50/50 Surface Mount Headers & Receptacles

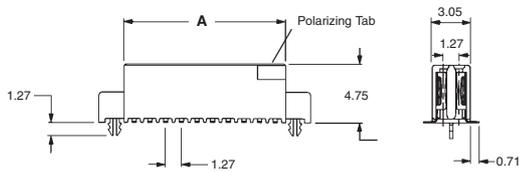
- Choice of three stacking heights
- High density 1.27 x 1.27mm grid
- Non protrusive metal holddowns
- Gold plated dual beam contacts

Specification:

- Housing** - Black thermoplastic
UL 94V-0
- Contacts** - Copper alloy 0.76µm
gold plated
- Current Rating** - 0.5A

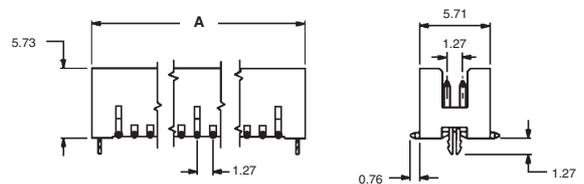


Double Row Receptacles



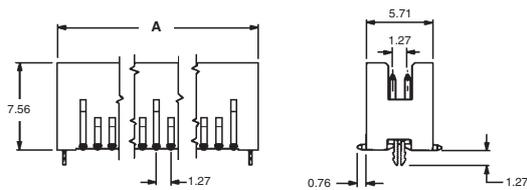
No. of Positions	Dimension A	Part Number
10	6.75	5-104652-1
20	13.11	5-104652-2
30	19.46	5-104652-3
40	25.81	5-104652-4
50	32.16	5-104652-5
80	51.21	5-104652-8
100	63.91	6-104652-0

Double Row Headers - Stack Height 6.35mm



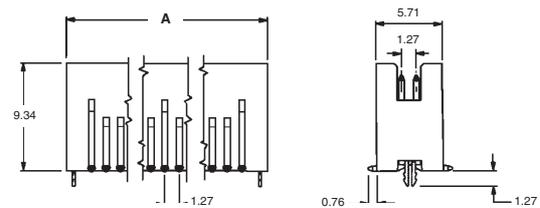
No. of Positions	Dimension A	Part Number
10	9.44	5-104655-1
20	15.79	5-104655-3
30	22.14	5-104655-4
40	28.49	5-104655-5
50	34.84	5-104655-6
80	53.89	5-104655-9
100	66.59	6-104655-1

Double Row Headers - Stack Height 8.13mm



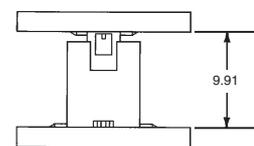
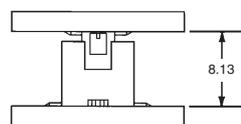
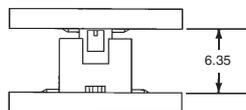
No. of Positions	Dimension A	Part Number
10	9.44	5-104656-1
20	15.79	5-104656-2
30	22.14	5-104656-3
40	28.49	5-104656-4
50	34.84	5-104656-5
80	53.89	5-104656-8
100	66.59	6-104656-0

Double Row Headers - Stack Height 9.91mm



No. of Positions	Dimension A	Part Number
10	9.44	5-104693-1
20	15.79	5-104693-2
30	22.14	5-104693-3
40	28.49	5-104693-4
50	34.84	5-104693-5
80	53.89	5-104693-8
100	66.59	6-104693-0

Three Board Stack Heights

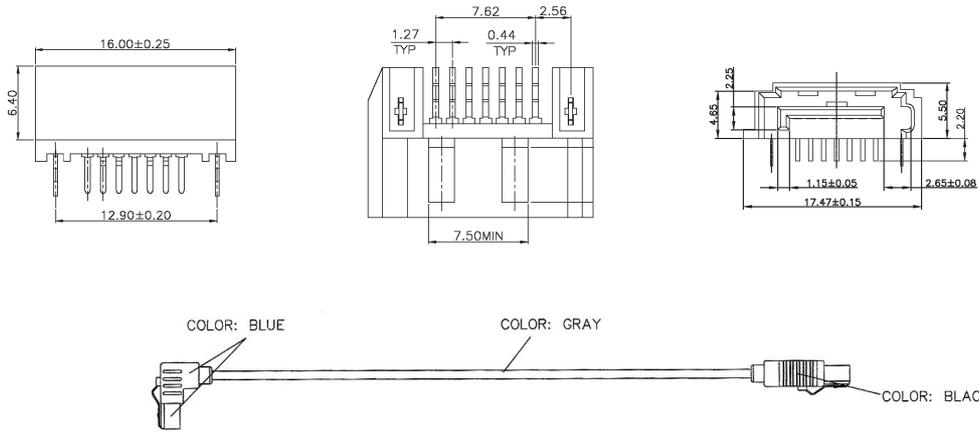
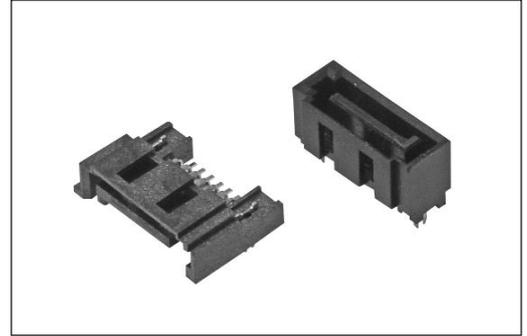


Serial ATA - (SATA) with Latching

- Latest storage interface connection system
- Improves cable routing in cabinet or box
- Increases airflow
- Locking feature prevents cable assembly "walking" off header

Specification:

Housing - LCP
Contacts - 0.38µm gold plating



Serial ATA

Connector Type	No. of Positions	Assembly Length (mm)	Mounting Style	Termination Style	Part Number
PCB Header	7	-	Right Angle	SMT	9-1857291-1
PCB Header	7	-	Right Angle	Through Hole	9-1857290-1
PCB Header	7	-	Vertical	Through Hole	9-1857292-1
Cable Assembly	7	360	-	-	9-1705871-1

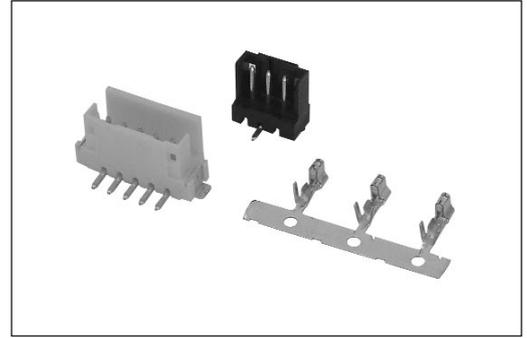


CT (Common Termination) Connector System

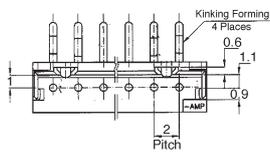
- 2 piece connector system - Header & Socket
- 2mm pitch
- Vertical & right angle headers

Specification:

- Housing** - UL94V-0, glass filled PBT
Contact - Tin plated phosphor bronze
Current Rating - Up to 4A

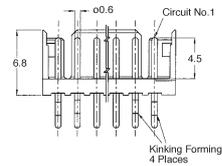


Standard Pin Headers Right Angle - Through Hole



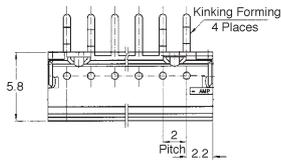
No. of Positions	Part Number
2	292253-2
3	292253-3
4	292253-4
5	292253-5
6	292253-6
7	292253-7
8	292253-8
9	292253-9
10	1-292253-0
11	1-292253-1
12	1-292253-2
13	1-292253-3
14	1-292253-4
15	1-292253-5

Standard Pin Headers Vertical Mount - Through Hole



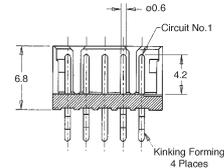
No. of Positions	Part Number
2	292161-2
3	292161-3
4	292161-4
5	292161-5
6	292161-6
7	292161-7
8	292161-8
9	292161-9
10	1-292161-0
11	1-292161-1
12	1-292161-2
13	1-292161-3
14	1-292161-4
15	1-292161-5

Box Type Pin Headers Right Angle - Through Hole



No. of Positions	Part Number
2	292250-2
3	292250-3
4	292250-4
5	292250-5
6	292250-6
7	292250-7
8	292250-8
9	292250-9
10	1-292250-0
11	1-292250-1
12	1-292250-2
13	1-292250-3
14	1-292250-4
15	1-292250-5

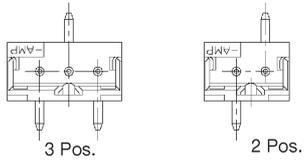
Box Type Pin Headers Vertical Mount - Through Hole



No. of Positions	Part Number
2	292132-2
3	292132-3
4	292132-4
5	292132-5
6	292132-6
7	292132-7
8	292132-8
9	292132-9
10	1-292132-0
11	1-292132-1
12	1-292132-2
13	1-292132-3
14	1-292132-4
15	1-292132-5

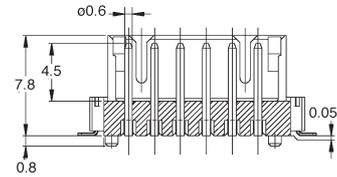
CT (Common Termination) Connector System (continued)

Standard Pin Headers Vertical Mount - SMT



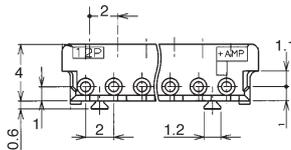
No. of Positions	Part Number
2	292171-2
3	292171-3
4	292171-4
5	292171-5
6	292171-6
7	292171-7
8	292171-8
9	292171-9

Box Type Pin Headers Vertical Mount - SMT

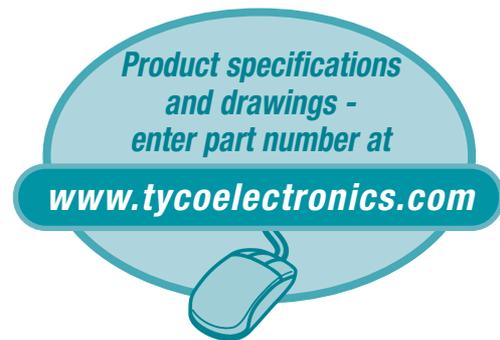


No. of Positions	Part Number
2	292174-2
3	292174-3
4	292174-4
5	292174-5
6	292174-6
7	292174-7
8	292174-8
9	292174-9

Receptacle Housings



No. of Positions	Part Number
2	179228-2
3	179228-3
4	179228-4
5	179228-5
6	179228-6
7	179228-7
8	179228-8
9	179228-9
10	1-179228-0
11	1-179228-1
12	1-179228-2
13	1-179228-3
14	1-179228-4
15	1-179228-5



Receptacle Contacts

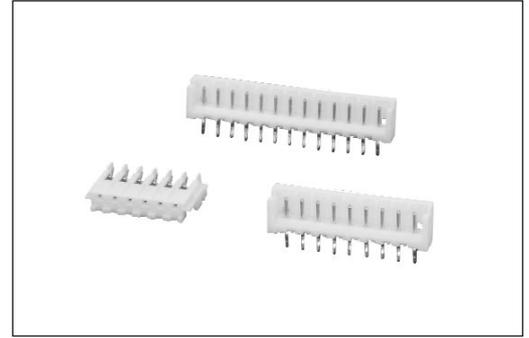
Wire Size AWG (mm ²)	Insulation Diameter (mm)	Reel	Part Number Loose Piece
30-26 (0.05-0.12)	0.65-1.35	179609-1	-
26-22 (0.12-0.35)	0.93-1.50	179227-1	179518-1

HPI (High Performance Interconnect)

- Available in 2.00 & 2.50mm pitch
- Square peg header contact mates with many other industry standard products

Specification:

Housing - Nylon 66, UL94V-0
Contacts - Tin plated
Current Rating - Up to 3A



HPI 2.00mm Pitch - Through Hole

Vertical Mount Pin Header

No. of Positions	Part Number
2	440054-2
5	440054-5
7	440054-7
10	1-440054-0
12	1-440054-2
15	1-440054-5

Right Angle Pin Header

No. of Positions	Part Number
2	440055-2
5	440055-5
7	440055-7
10	1-440055-0
12	1-440055-2
15	1-440055-5

Socket Contact Housing

No. of Positions	Part Number
2	440129-2
5	440129-5
7	440129-7
10	1-440129-0
12	1-440129-2
15	1-440129-5

Socket Contact

Wire Size (AWG)	Part Number
30 - 24	440132-1

HPI 2.50mm Pitch - Through Hole

Vertical Mount Pin Header

No. of Positions	Part Number
2	440052-2
5	440052-5
7	440052-7
10	1-440052-0
12	1-440052-2
15	1-440052-5

Right Angle Pin Header

No. of Positions	Part Number
2	440053-2
5	440053-5
7	440053-7
10	1-440053-0
12	1-440053-2
15	1-440053-5

Socket Contact Housing

No. of Positions	Part Number
2	440133-2
5	440133-5
7	440133-7
10	1-440133-0
12	1-440133-2
15	1-440133-5

Socket Contact

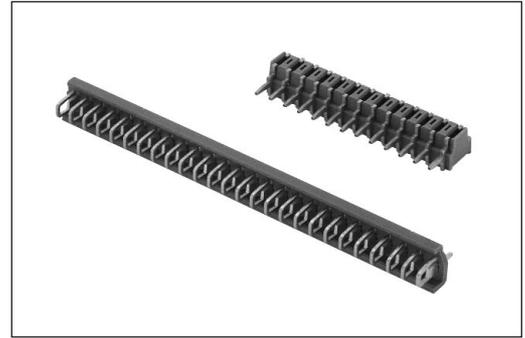
Wire Size (AWG)	Part Number
28 - 22	440134-1

Mini-Match Connectors

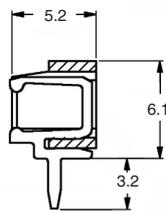
- Preloaded contacts
- High contact pressure
- Integrated overstress protection

Specification:

Housing - Polyester UL94V-0
Contacts - Tin plated brass
Current Rating - 3A at 30°C

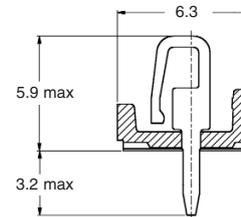


Receptacle - Right Angle



No. of Positions	Part Number
3	5164711-3
4	5164711-4
5	5164711-5
6	5164711-6
7	5164711-7
8	5164711-8
9	5164711-9
10	1-5164711-0
11	1-5164711-1
12	1-5164711-2

Header - Vertical



No. of Positions	Part Number
3	5164713-3
4	5164713-4
5	5164713-5
6	5164713-6
7	5164713-7
8	5164713-8
9	5164713-9
10	1-5164713-0
11	1-5164713-1
12	1-5164713-2

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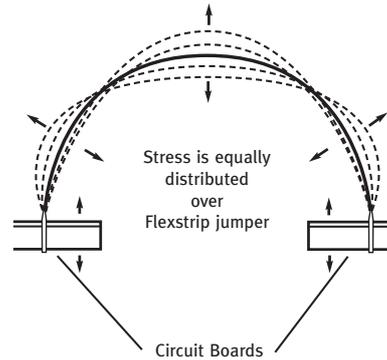
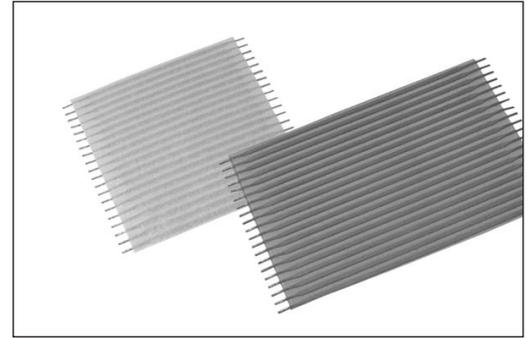
Flexstrip Jumpers

- Multi-conductor board-to-board connection device
- Pre plated, ready to use
- No wire stripping

Specification:

Temperature Range - Up to 150°C

Current Rating - Up to 3A



Nomex™ Insulation Material

Flexstrip Length Inches (mm)	No. of Conductors	Flexstrip Part Number	Tyco Part Number
1" (25.4)	2	FSN-21A-2	3-1474654-6
1" (25.4)	3	FSN-21A-3	5-1474644-7
1" (25.4)	4	FSN-21A-4	2-1474644-7
1" (25.4)	5	FSN-21A-5	4-1474654-6
1" (25.4)	6	FSN-21A-6	4-1474654-4
1" (25.4)	7	FSN-21A-7	1474654-3
1" (25.4)	8	FSN-21A-8	2-1474644-1
1" (25.4)	10	FSN-21A-10	2-1474644-5

2" (50.8)	2	FSN-22A-2	3-1474644-9
2" (50.8)	3	FSN-22A-3	2-1474654-3
2" (50.8)	4	FSN-22A-4	5-1474644-0
2" (50.8)	5	FSN-22A-5	9-6474612-3
2" (50.8)	6	FSN-22A-6	9-6474612-2
2" (50.8)	7	FSN-22A-7	4-1474644-8
2" (50.8)	8	FSN-22A-8	9-6474612-4
2" (50.8)	10	FSN-22A-10	9-6474612-1

3" (76.2)	2	FSN-23A-2	3-6437144-9
3" (76.2)	3	FSN-23A-3	4-1474654-5
3" (76.2)	4	FSN-23A-4	1474644-9
3" (76.2)	5	FSN-23A-5	2-1474654-5
3" (76.2)	6	FSN-23A-6	7-6437144-0
3" (76.2)	7	FSN-23A-7	2-1474654-7
3" (76.2)	8	FSN-23A-8	6-6437144-2
3" (76.2)	10	FSN-23A-10	1474654-7

Teflon™ Insulation Material

Flexstrip Length Inches (mm)	No. of Conductors	Flexstrip Part Number	Tyco Part Number
1" (25.4)	2	FST-21A-2	3-1437186-4
1" (25.4)	3	FST-21A-3	4-1437186-1
1" (25.4)	4	FST-21A-4	4-1437186-9
1" (25.4)	5	FST-21A-5	5-1437186-0
1" (25.4)	6	FST-21A-6	5-1437186-2
1" (25.4)	7	FST-21A-7	5-1437186-4
1" (25.4)	8	FST-21A-8	5-1437186-5
1" (25.4)	10	FST-21A-10	2-1437186-4

2" (50.8)	2	FST-22A-2	6-1437187-6
2" (50.8)	3	FST-22A-3	7-1437187-7
2" (50.8)	4	FST-22A-4	8-1437187-0
2" (50.8)	5	FST-22A-5	8-1437187-1
2" (50.8)	6	FST-22A-6	8-1437187-2
2" (50.8)	7	FST-22A-7	2-1474653-5
2" (50.8)	8	FST-22A-8	8-1437187-6
2" (50.8)	10	FST-22A-10	5-1437187-6

3" (76.2)	2	FST-23A-2	8-1437188-2
3" (76.2)	3	FST-23A-3	2-1474653-2
3" (76.2)	4	FST-23A-4	9-1437188-6
3" (76.2)	5	FST-23A-5	2-1474653-6
3" (76.2)	6	FST-23A-6	1437189-1
3" (76.2)	7	FST-23A-7	1474492-1
3" (76.2)	8	FST-23A-8	1437189-2
3" (76.2)	10	FST-23A-10	6-1437188-8

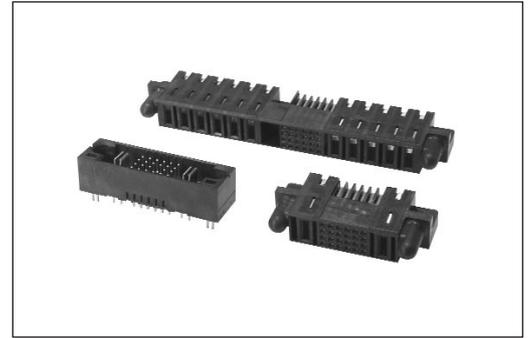
* Nomex and Teflon are Trade Marks of E.I. du Pont de Nemours and company.

Multi-Beam XL Power Distribution Connector System

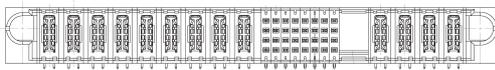
- AC and DC power in the same connector - Meets UL safety requirements
- Current interrupt ratings per UL 1977 - for "Hot-Plug" applications
- Compact Size
- Molded-in guide pins provide blind-mateability
- Low mating and un-mating forces
- Solder or press-fit terminations to PCB

Specification:

- Housing** - High temperature thermo plastic
- Contacts** - 0.76µm gold over nickel
- Current Rating** - Power lines up to 35A
Signal lines up to 1.5A



Plug - Right Angle



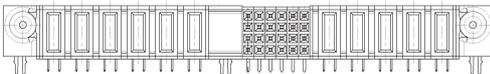
Configuration	Mounting Style	Part Number
1 Power / 24 Signal / 1 Power	Solder	6450330-1
5 Power / 24 Signal / 6 Power	Solder	6450230-1
2 Power / 24 Signal / 2 Power	Solder	6450120-2
3 Power / 24 Signal / 3 Power	Solder	1-6450230-1
3 AC Power Contacts	Solder	6450123-3
3 AC Power / 24 Signal / 4 Power	Solder	2-6450330-8
8 Power / 24 Signal	Solder	6450132-5

Plug - Vertical Mount



Configuration	Mounting Style	Part Number
1 Power / 24 Signal / 1 Power	Solder	6600330-4

Receptacle - Right Angle



Configuration	Mounting Style	Part Number
2 Power / 24 Signal / 2 Power	Solder	1-6450160-0
3 Power / 24 Signal / 3 Power	Solder	6450160-8
3 AC Power Contacts	Solder	6450173-1
3 AC Power / 24 Signal / 4 Power	Solder	6450370-5
1 Power / 24 Signal / 1 Power	Solder	6450160-3
5 Power / 24 Signal / 6 Power	Solder	6450160-5

Receptacle - Vertical Mount

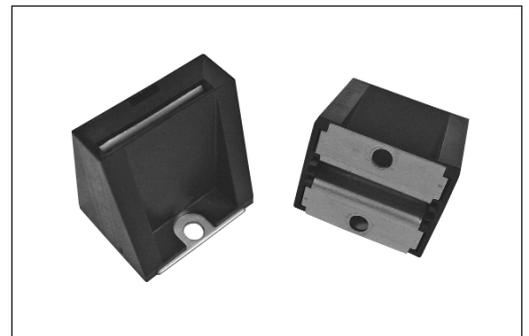


Configuration	Mounting Style	Part Number
2 Power / 24 Signal / 2 Power	Solder	6450140-5
3 Power / 24 Signal / 3 Power	Solder	1-6450140-0
5 Power / 24 Signal / 6 Power	Solder	6450540-2
8 Power / 24 Signal	Solder	6450552-1
1 Power / 24 Signal / 1 Power	Solder	6450540-1

Crown Clip Bus Bar Connector

- Currents up to 350A
- Mates with solid or laminated blades
- Supports true Hot Plug
- Meets UL, CSA and TUV safety requirements

Connector Type	Termination Style	Part Number
350 Amp, Bus Bar Connector	Screw Mount	1643903-1



AMPMODU HV-100 / HV-190 PCB Receptacles

- Single and double row
- Vertical or horizontal mounting
- Gold plated contacts
- Kinked legs with retention feature (HV-100)

Specification:

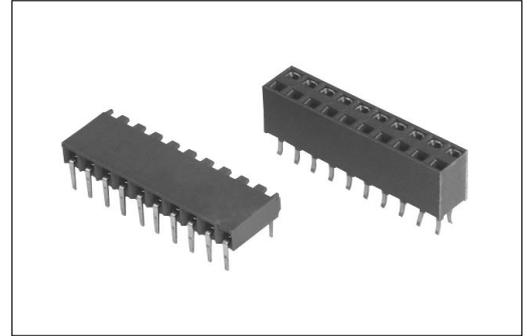
Housing - Green polyester
glass filled UL 94V-0

Contacts - Phosphor bronze

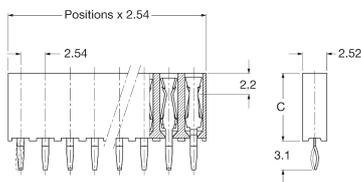
Current Rating - 3A

Mating Connectors:

MOD II Pin Headers - Pages 17 & 18

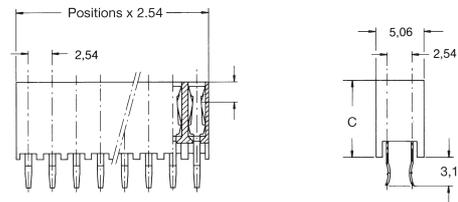


HV-100 Single Row Vertical, Top Entry



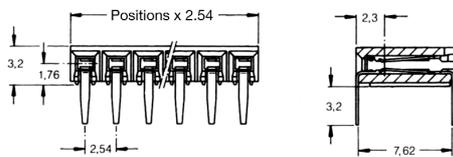
No. of Positions	C = 7.0 Part Number 0.8µm Gold	C = 8.5 Part Number 0.8µm Gold
2	215297-2	215299-2
3	215297-3	215299-3
4	215297-4	215299-4
5	215297-5	215299-5
6	215297-6	215299-6
7	215297-7	215299-7
8	215297-8	215299-8
9	215297-9	215299-9
10	1-215297-0	1-215299-0
12	1-215297-2	1-215299-2
16	1-215297-6	1-215299-6
20	2-215297-0	2-215299-0

HV-100 Double Row Vertical, Top Entry



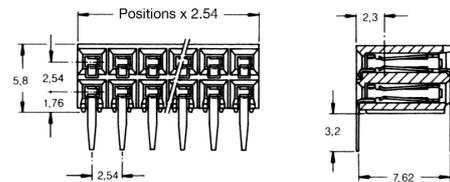
No. of Positions	C = 7.0 Part Number 0.8µm Gold	C = 8.5 Part Number 0.8µm Gold
2 x 2	215307-2	215309-2
2 x 3	215307-3	215309-3
2 x 4	215307-4	215309-4
2 x 5	215307-5	215309-5
2 x 6	215307-6	215309-6
2 x 7	215307-7	215309-7
2 x 8	215307-8	215309-8
2 x 9	215307-9	215309-9
2 x 10	1-215307-0	1-215309-0
2 x 12	1-215307-2	1-215309-2
2 x 16	1-215307-6	1-215309-6
2 x 20	2-215307-0	2-215309-0

HV-190 Single Row Horizontal, Side Entry



No. of Positions	Part Number 0.8µm Gold
2	216602-2
3	216602-3
4	216602-4
5	216602-5
6	216602-6
7	216602-7
8	216602-8
9	216602-9
10	1-216602-0
12	1-216602-2
16	1-216602-6
20	2-216602-0

HV-190 Double Row Horizontal, Side Entry



No. of Positions	Part Number 0.8µm Gold
2 x 2	216604-2
2 x 3	216604-3
2 x 4	216604-4
2 x 5	216604-5
2 x 6	216604-6
2 x 7	216604-7
2 x 8	216604-8
2 x 9	216604-9
2 x 10	1-216604-0
2 x 12	1-216604-2
2 x 16	1-216604-6
2 x 20	2-216604-0

**AMPMODU HV-100 Surface Mount PCB Receptacles
Top or Bottom Entry**

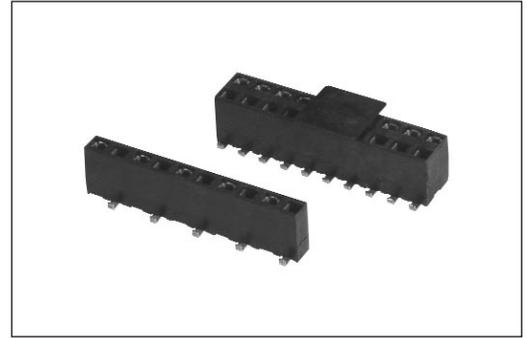
- Single and double row
- Complete with pick & place cap
- Gold plated contacts
- End stackable

Specification:

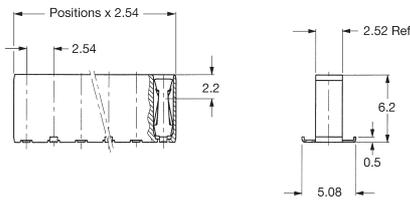
Housing - LCP black UL 94V-0
Contacts - Phosphor bronze
Current Rating - 3A

Mating Connectors:

MOD II Pin Headers - Pages 17 & 18

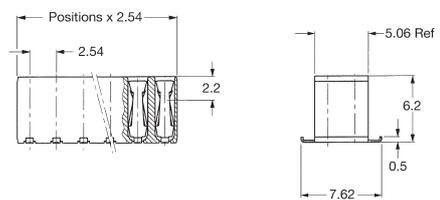


Single Row Vertical



No. of Positions	Part Number 0.8µm Gold
3	1241152-3
4	1241152-4
5	1241152-5
6	1241152-6
7	1241152-7
8	1241152-8
9	1241152-9
10	1-1241152-0
12	1-1241152-2

Double Row Vertical



No. of Positions	Part Number 0.8µm Gold
2 x 2	969973-2
2 x 3	969973-3
2 x 4	969973-4
2 x 5	969973-5
2 x 6	969973-6
2 x 7	969973-7
2 x 8	969973-8
2 x 9	969973-9
2 x 10	1-969973-0
2 x 12	1-969973-2



AMPMODU MOD II Low Cost Line Breakaway Pin Headers

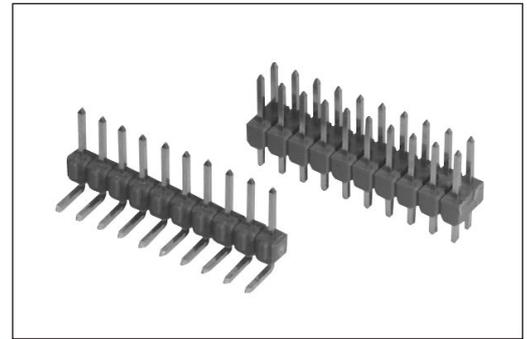
- Single and double row
- Straight or right angle
- Gold or tin plated contacts
- 0.63mm square posts

Specification:

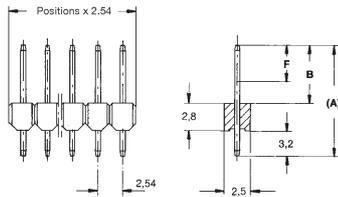
Housing - Green polyester glass filled UL 94V-0
Contacts - Phosphor bronze
Current Rating - 3A

Mating Connectors:

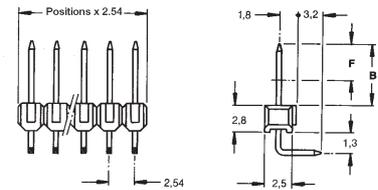
HV100 PCB Receptacles - Pages 15 & 16
 HV190 PCB Receptacles - Page 15
 MOD IV Receptacle Housings - Page 20



Single Row Straight



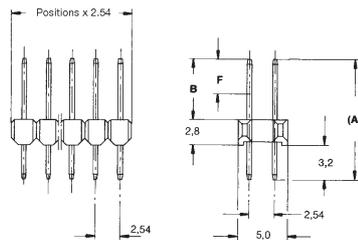
Single Row Right Angle



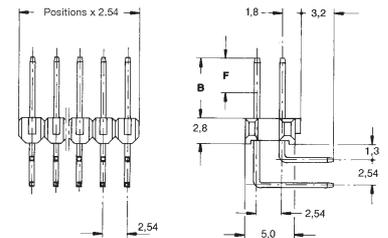
No. of Positions	A = 11.8 B = 5.8 F = 4.4		A = 12.7 B = 6.7 F = 4.4	
	0.8µm Gold	Tin	0.8µm Gold	Tin
2	826646-2	826936-2	826629-2	826926-2
3	826646-3	826936-3	826629-3	826926-3
4	826646-4	826936-4	826629-4	826926-4
5	826646-5	826936-5	826629-5	826926-5
6	826646-6	826936-6	826629-6	826926-6
7	826646-7	826936-7	826629-7	826926-7
8	826646-8	826936-8	826629-8	826926-8
9	826646-9	826936-9	826629-9	826926-9
10	1-826646-0	1-826936-0	1-826629-0	1-826926-0
12	1-826646-2	1-826936-2	1-826629-2	1-826926-2
16	1-826646-6	1-826936-6	1-826629-6	1-826926-6
20	2-826646-0	2-826936-0	2-826629-0	2-826926-0
50	5-826646-0	5-826936-0	5-826629-0	5-826926-0

No. of Positions	B = 5.8 F = 4.4		B = 6.7 F = 4.4	
	0.8µm Gold	Tin	0.8µm Gold	Tin
2	826652-2	826949-2	826631-2	826947-2
3	826652-3	826949-3	826631-3	826947-3
4	826652-4	826949-4	826631-4	826947-4
5	826652-5	826949-5	826631-5	826947-5
6	826652-6	826949-6	826631-6	826947-6
7	826652-7	826949-7	826631-7	826947-7
8	826652-8	826949-8	826631-8	826947-8
9	826652-9	826949-9	826631-9	826947-9
10	1-826652-0	1-826949-0	1-826631-0	1-826947-0
12	1-826652-2	1-826949-2	1-826631-2	1-826947-2
16	1-826652-6	1-826949-6	1-826631-6	1-826947-6
20	2-826652-0	2-826949-0	2-826631-0	2-826947-0
50	5-826652-0	5-826949-0	5-826631-0	5-826947-0

Double Row Straight



Double Row Right Angle



No. of Positions	A = 11.8 B = 5.8 F = 4.4		A = 12.7 B = 6.7 F = 5.5	
	0.8µm Gold	Tin	0.8µm Gold	Tin
2 x 2	826656-2	826942-2	826632-2	826925-2
2 x 3	826656-3	826942-3	826632-3	826925-3
2 x 4	826656-4	826942-4	826632-4	826925-4
2 x 5	826656-5	826942-5	826632-5	826925-5
2 x 6	826656-6	826942-6	826632-6	826925-6
2 x 7	826656-7	826942-7	826632-7	826925-7
2 x 8	826656-8	826942-8	826632-8	826925-8
2 x 9	826656-9	826942-9	826632-9	826925-9
2 x 10	1-826656-0	1-826942-0	1-826632-0	1-826925-0
2 x 12	1-826656-2	1-826942-2	1-826632-2	1-826925-2
2 x 16	1-826656-6	1-826942-6	1-826632-6	1-826925-6
2 x 20	2-826656-0	2-826942-0	2-826632-0	2-826925-0
2 x 50	5-826656-0	5-826942-0	5-826632-0	5-826925-0

No. of Positions	B = 5.8 F = 4.4		B = 6.7 F = 5.5	
	0.8µm Gold	Tin	0.8µm Gold	Tin
2 x 2	826662-2	826955-2	826634-2	826953-2
2 x 3	826662-3	826955-3	826634-3	826953-3
2 x 4	826662-4	826955-4	826634-4	826953-4
2 x 5	826662-5	826955-5	826634-5	826953-5
2 x 6	826662-6	826955-6	826634-6	826953-6
2 x 7	826662-7	826955-7	826634-7	826953-7
2 x 8	826662-8	826955-8	826634-8	826953-8
2 x 9	826662-9	826955-9	826634-9	826953-9
2 x 10	1-826662-0	1-826955-0	1-826634-0	1-826953-0
2 x 12	1-826662-2	1-826955-2	1-826634-2	1-826953-2
2 x 16	1-826662-6	1-826955-6	1-826634-6	1-826953-6
2 x 20	2-826662-0	2-826955-0	2-826634-0	2-826953-0
2 x 50	5-826662-0	5-826955-0	5-826634-0	5-826953-0

AMPMODU MOD II Surface Mount Breakaway Pin Headers

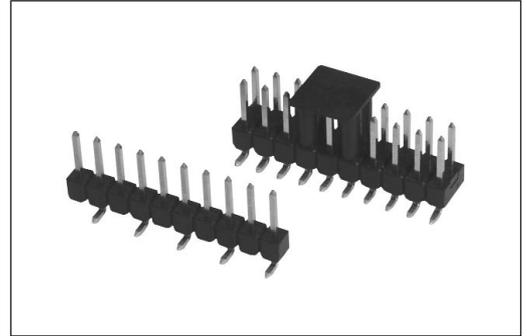
- Single and double row
- Complete with pick & place cap
- Gold plated contacts
- 0.63mm square posts

Specification:

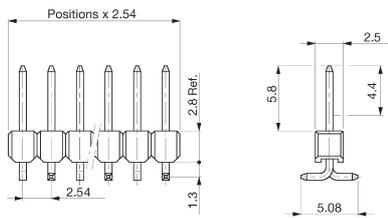
Housing and Pick & Place Cap - PCT GV Black
Contacts - Phosphor bronze
Current Rating - 3A

Mating Connectors:

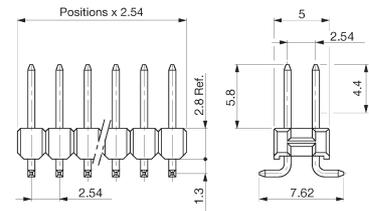
HV100 PCB Receptacles - Pages 15 & 16
 HV190 PCB Receptacles - Page 15
 MOD IV Receptacle Housings - Page 20



Single Row Straight



Double Row Straight



No. of Positions	Part Number 0.8µm Gold
3	1241150-3
4	1241150-4
5	1241150-5
6	1241150-6
7	1241150-7
8	1241150-8
9	1241150-9
10	1-1241150-0
12	1-1241150-2

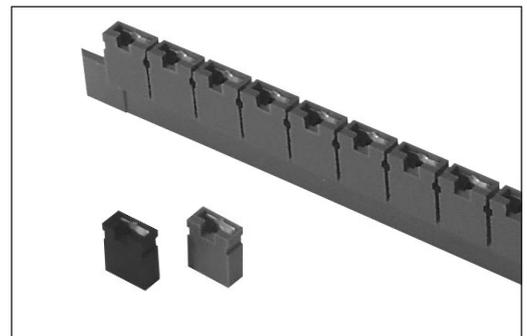
No. of Positions	Part Number 0.8µm Gold
2 x 2	1241050-2
2 x 3	1241050-3
2 x 4	1241050-4
2 x 5	1241050-5
2 x 6	1241050-6
2 x 7	1241050-7
2 x 8	1241050-8
2 x 9	1241050-9
2 x 10	1-1241050-0
2 x 12	1-1241050-2

AMPMODU MOD IV Shunt Connector

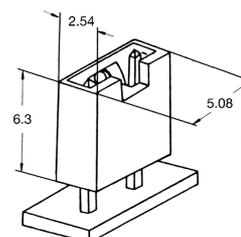
- Open top design allows in-circuit testing
- Suitable for 0.63mm square post pin headers
- Available loose or in strips
- Gold or tin plated contacts

Specification:

Housing - Thermoplastic polyester
 UL 94V-0
Contacts - Beryllium copper



Packaging	Part Number	
	0.4µm Gold (Green)	Tin (Black)
Strip Form	142270-1	142270-3
Loose Piece	827914-1	827914-3



AMPMODU MOD II Economy Line Breakaway Pin Headers

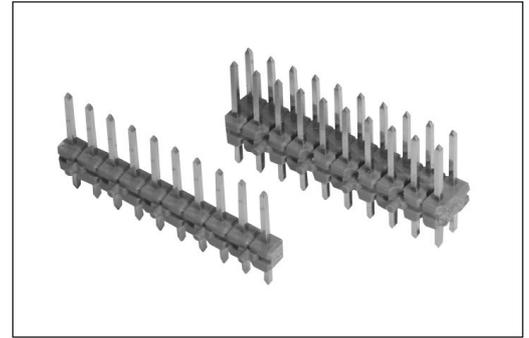
- Single and double row
- With retention feature when used with MOD IV receptacle housings
- Gold plated contacts
- 0.63mm square posts

Specification:

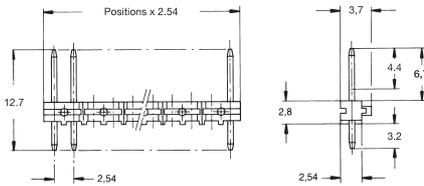
Housing - Green polyester glass filled UL 94V-0
Contacts - Phosphor bronze
Current Rating - 3A

Mating Connectors:

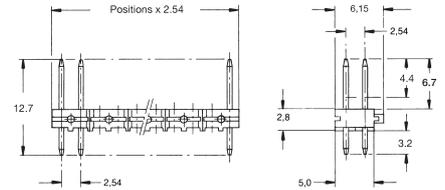
MOD IV Receptacle Housings - Page 20



Single Row Straight



Double Row Straight



No. of Positions	Part Number 0.8µm Gold
2	825433-2
3	825433-3
4	825433-4
5	825433-5
6	825433-6
7	825433-7
8	825433-8
10	1-825433-0
50	5-825433-0

No. of Positions	Part Number 0.8µm Gold
2 x 2	825440-2
2 x 3	825440-3
2 x 4	825440-4
2 x 5	825440-5
2 x 6	825440-6
2 x 7	825440-7
2 x 8	825440-8
2 x 10	1-825440-0
2 x 50	5-825440-0



AMPMODU MOD IV Receptacle Housings & MOD IV / V Receptacle Contacts

- Single and double row
- With or without strain relief feature
- Gold or tin plated crimp snap-in contacts

Specification:

Housing - Green polyimide
UL 94V-HB

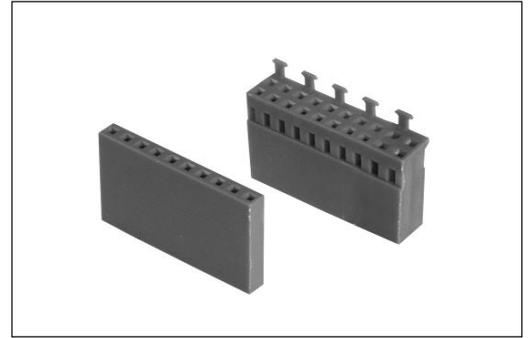
Contacts - Phosphor bronze

Current Rating - 3A

Mating Connectors:

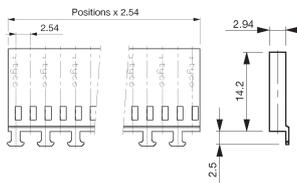
With strain relief -
MOD II Pin Headers - Page 19

Without strain relief -
MOD II Pin Headers - Pages 17 & 18

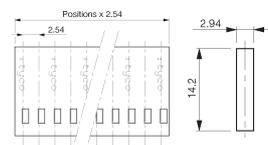


Single Row

with Strain Relief



without Strain Relief

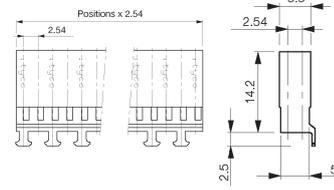


No. of Positions	Part Number	
	With Strain Relief	Without Strain Relief
2	925369-2	925366-2
3	925369-3	925366-3
4	925369-4	925366-4
5	925369-5	925366-5
6	925369-6	925366-6
7	925369-7	925366-7
8	925369-8	925366-8
10	1-925369-0	1-925366-0

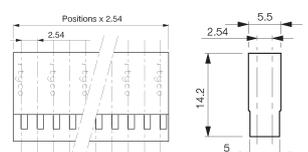
Keying Plug	926519-2
-------------	----------

Double Row

with Strain Relief



without Strain Relief



No. of Positions	Part Number	
	With Strain Relief	Without Strain Relief
2 x 2	925370-2	925367-2
2 x 3	925370-3	925367-3
2 x 4	925370-4	925367-4
2 x 5	925370-5	925367-5
2 x 6	925370-6	925367-6
2 x 7	925370-7	925367-7
2 x 8	925370-8	925367-8
2 x 10	1-925370-0	1-925367-0

Keying Plug	926519-2
-------------	----------

MOD IV Crimp Snap-in Contacts - Standard Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number 0.8µm Gold
0.2 - 0.56	24 - 20	1.4	Tape and Reel	167300-6
0.14 - 0.12*	26		Loose Piece	141603-3

MOD IV Crimp Snap-in Contacts - Intermediate Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.8µm Gold	Tin
0.032 - 0.09	32 - 28	1.2	Tape and Reel	167021-2	167021-3
			Loose Piece	167024-2	167024-3
0.2 - 0.56	24 - 20	1.4	Tape and Reel	167301-4	2-167301-2
			Loose Piece	141708-1	1-141708-1

MOD V Crimp Snap-in Contacts - High Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.8µm Gold	Tin
0.2 - 0.56	24 - 20	1.4	Tape and Reel	166309-2	166309-3
			Loose Piece	166310-2	166310-3

* Contact Tyco Electronics for this wire size range

AMPMODU MOD IV Receptacle Housings

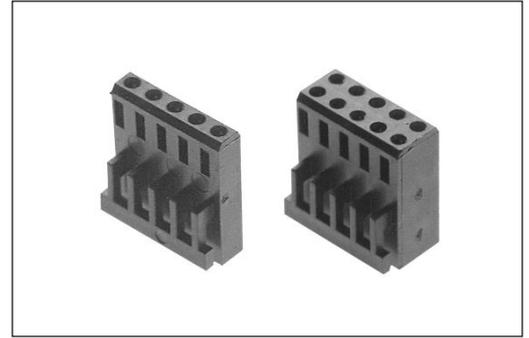
- Single and double row
- Built-in polarisation
- Accepts MOD IV / V Crimp Snap-in Contacts (page 20)

Specification:

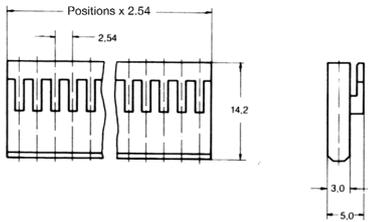
Housing - Polyester (PBT), black
glass fibre filled

Mating Connectors:

MOD II Shrouded Headers - Page 22

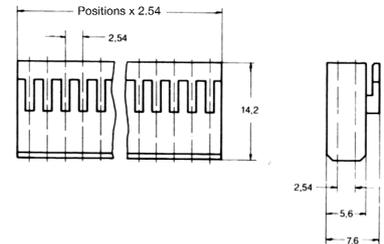


Single Row



No. of Positions	Part Number
3	926475-3
4	926475-4
5	926475-5
6	926475-6
8	926475-8
10	1-926475-0

Double Row



No. of Positions	Part Number
2 x 3	926476-3
2 x 4	926476-4
2 x 5	926476-5
2 x 6	926476-6
2 x 8	926476-8
2 x 10	1-926476-0

Accessories

	Colour	Part Number
Retention Plug with Strain Relief	Black	926478-1
	Red	926478-3
Keying Plug	Black	926498-1
	Red	926498-3

*Find application tooling
see page 157*

www.tooling.tycoelectronics.com/europe

AMPMODU MOD II Surface Mount Compatible Shrouded Headers

- Single and double row
- Straight or right angle
- Gold plated contacts
- SMT process compatible

Specification:

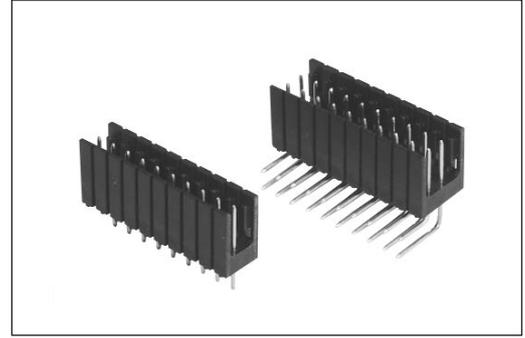
Housing - High temp. Polyester (PCT), black

Contacts - Phosphor bronze

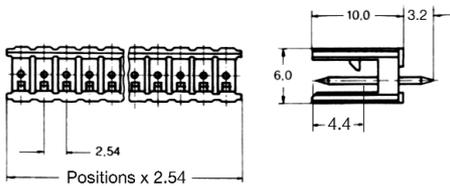
Current Rating - 3A

Mating Connectors:

MOD IV Receptacle Housings - Page 2.1

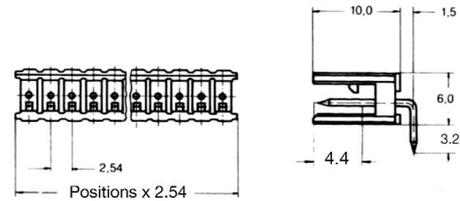


Single Row Straight



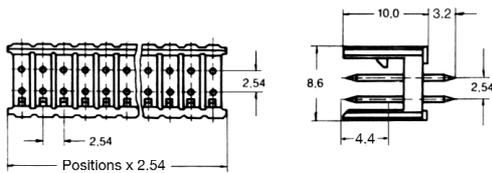
No. of Positions	Part Number 0.8µm Gold
3	826467-3
4	826467-4
5	826467-5
6	826467-6
8	826467-8
10	1-826467-0

Single Row Right Angle



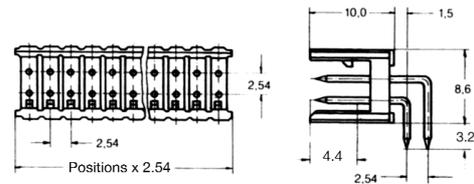
No. of Positions	Part Number 0.8µm Gold
3	826468-3
4	826468-4
5	826468-5
6	826468-6
8	826468-8
10	1-826468-0

Double Row Straight



No. of Positions	Part Number 0.8µm Gold
2 x 3	826469-3
2 x 4	826469-4
2 x 5	826469-5
2 x 6	826469-6
2 x 8	826469-8
2 x 10	1-826469-0

Double Row Right Angle



No. of Positions	Part Number 0.8µm Gold
2 x 3	826470-3
2 x 4	826470-4
2 x 5	826470-5
2 x 6	826470-6
2 x 8	826470-8
2 x 10	1-826470-0

AMPMODU MOD II Receptacle Housings & Contacts

- Single and double row
- Built-in polarisation and latching
- Gold or tin plated crimp snap-in contacts

Specification:

Housing - Black thermoplastic
UL 94V-1

Contacts - Phosphor bronze

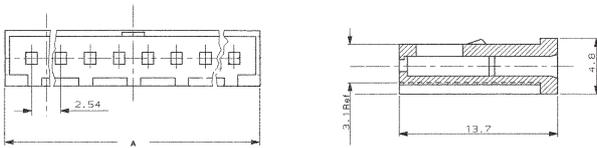
Current Rating - 3A

Mating Connectors:

MOD II Pin Housings - Page 25
MOD II Shrouded Headers - Page 24

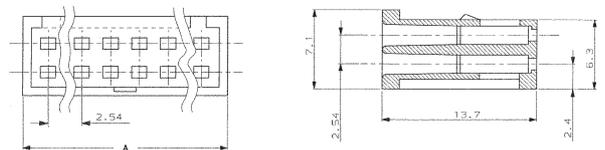


Single Row



No. of Positions	Dimension A	Part Number
2	7.1	280358
4	12.2	280359
6	17.3	280360
8	22.3	280361
10	27.4	280362
15	40.1	280363
Keying Plug		87077-2

Double Row



No. of Positions	Dimension A	Part Number
2x4	12.2	280365
2x8	22.3	280366
2x12	32.5	280515
2x15	40.1	280368
Keying Plug		87077-2

Crimp Snap-In Contacts

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.4µm Gold	Tin
0.32 - 0.13	22 - 26	0.90 - 1.55	Tape and Reel	280530-1	280708-2*
			Loose Piece	181270-1	182206-2*

* With high contact pressure



AMPMODU MOD II Shrouded Headers

- Single and double row
- Straight or right angle
- Built-in polarisation and latching
- Gold or tin plated contacts
- 0.63mm square posts

Specification:

Housing - Black thermoplastic
UL 94V-0

Contacts - Brass (gold plating) or
phosphor bronze (tin plating)

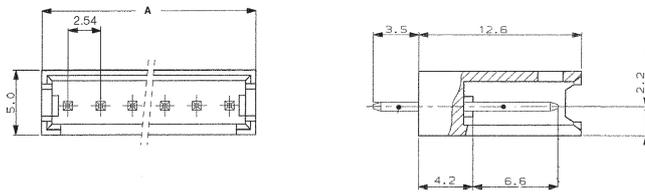
Current Rating - 3A

Mating Connectors:

MOD II Receptacle Housings - Page 23

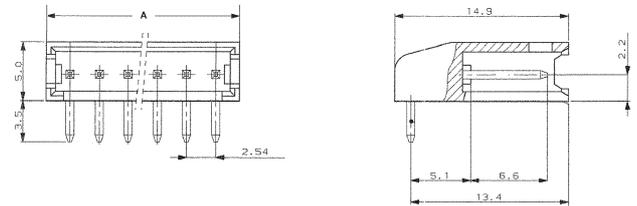


Single Row Straight



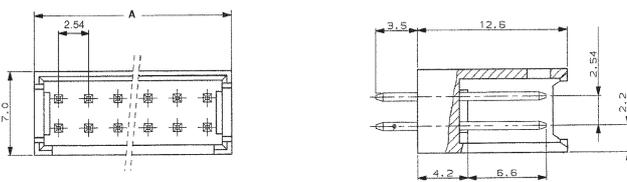
No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2	7.7	280370-2	280370-1
4	12.7	280371-2	280371-1
6	17.8	280372-2	280372-1
8	22.9	280373-2	280373-1
10	28.0	280374-2	280374-1
15	40.7	280375-2	280375-1

Single Row Right Angle



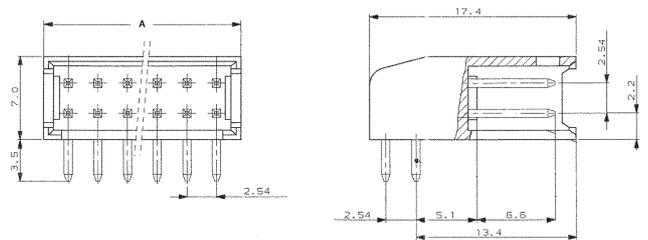
No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2	7.7	280377-2	280377-1
4	12.7	280378-2	280378-1
6	17.8	280379-2	280379-1
8	22.9	280380-2	280380-1
10	28.0	280381-2	280381-1
15	40.7	280382-2	280382-1

Double Row Straight



No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2 x 4	12.7	280384-2	280384-1
2 x 8	22.9	280385-2	280385-1
2 x 12	33.1	280521-2	280521-1
2 x 15	40.7	280387-2	280387-1

Double Row Right Angle



No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2 x 4	12.7	280389-2	280389-1
2 x 8	22.9	280390-2	280390-1
2 x 12	33.1	280522-2	280522-1
2 x 15	40.7	280392-2	280392-1

AMPMODU MOD II Pin Housings & Contacts

- Single and double row
- Built-in polarisation and latching
- Gold or tin plated crimp snap-in contacts

Specification:

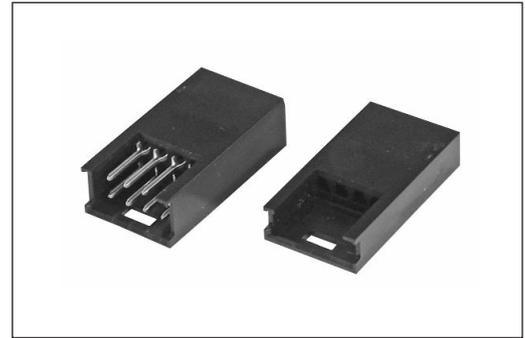
Housing - Black thermoplastic
UL 94V-1

Contacts - Phosphor bronze

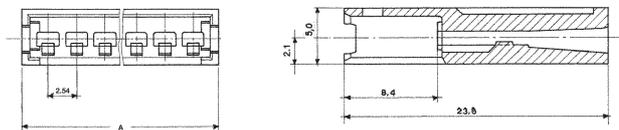
Current Rating - 3A

Mating Connectors:

MOD II Receptacle Housings - Page 23

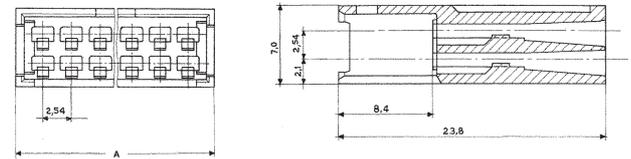


Single Row



No. of Positions	Dimension A	Part Number
2	7.4	280628
4	12.5	280629
6	17.5	280630
8	22.6	280631
10	27.7	280633
15	40.4	280635

Double Row



No. of Positions	Dimension A	Part Number
2x4	12.5	280637
2x8	22.6	280638
2x12	32.8	280640

Crimp Snap-In Contacts

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.4µm Gold	Tin
0.32 - 0.13	22 - 26	0.90 - 1.55	Tape and Reel	86557-6	1-86557-9
			Loose Piece	86561-6	1-86561-0

*Find application tooling
see page 157*

www.tooling.tycoelectronics.com/europe

AMPMODU Locking Clip Receptacle Housings & Contacts

- Single and double row
- Self retaining contact system
- Rapid installation to 0.63mm square posts
- Gold or tin plated crimp snap-in contacts

Specification:

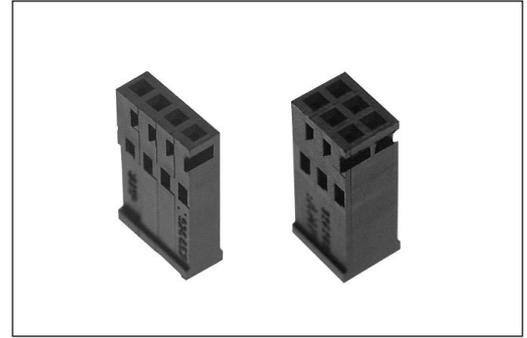
Housing - Thermoplastic Polyester
GV, black UL 94V-0

Contacts - Phosphor bronze

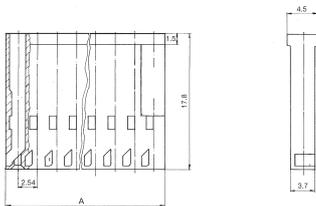
Current Rating - 3A

Mating Connectors:

MOD II Pin Headers - Pages 17 & 18

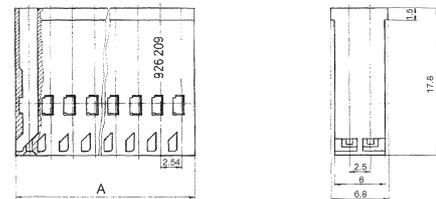


Single Row



No. of Positions	Dimension A	Part Number
1	2.9	926010-1
2	5.5	926657-2
3	8.1	926657-3
4	10.6	926657-4
5	13.2	926657-5
6	15.7	926657-6
Keying Plug		926329-1

Double Row



No. of Positions	Dimension A	Part Number
2 x 2	5.5	926209-2
2 x 3	8.1	926209-3
2 x 4	10.6	926209-4
2 x 5	13.2	926209-5
2 x 6	15.7	926209-6
Keying Plug		926329-1

Crimp Snap-in Contacts

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.8µm Gold	Tin
0.12 - 0.40	26 - 22	1.0 - 1.6	Tape and Reel	87124-1	5-87124-2
			Loose Piece	87165-1	5-87165-2
0.5 - 0.6	20	1.0 - 1.6	Tape and Reel	867052-2	5-867052-1

HE 14 Receptacle Housings & Contacts

- Single and double row
- Tin plated contacts
- Compliant with CEI IEC603-8

Specification:

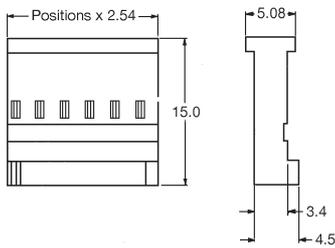
Housing - Blue glass filled polyester UL 94V-0
Contacts - Phosphor bronze
Current Rating - 3A

Mating Connectors:

HE 14 Shrouded Headers - Page 28

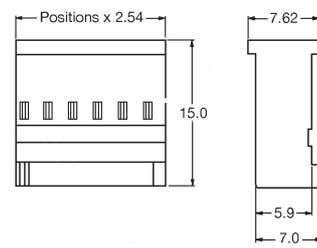


Single Row



No. of Positions	Part Number
3	281838-3
4	281838-4
5	281838-5
6	281838-6
8	281838-8
10	1-281838-0
12	1-281838-2

Double Row



No. of Positions	Part Number
2 x 3	281839-3
2 x 4	281839-4
2 x 5	281839-5
2 x 6	281839-6
2 x 8	281839-8
2 x 10	1-281839-0
2 x 12	1-281839-2

Crimp Snap-in Contacts

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number Tin
0.22-0.08	24-28	1.5-0.8	Tape and Reel	188744-1
			Loose Piece	182734-2



HE 14 Shrouded Headers

- Single and double row
- Straight or right angle
- Tin plated contacts
- Compliant with CEI IEC603-8
- 0.63 x 0.63mm posts

Specification:

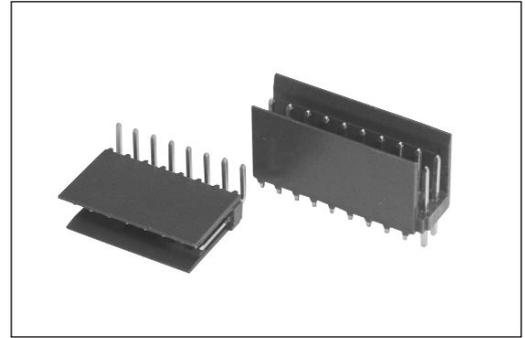
Housing - Blue high temperature nylon UL 94V-0

Contacts - Phosphor bronze

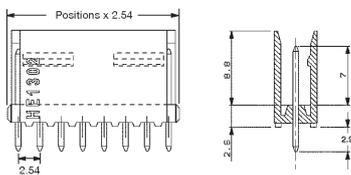
Current Rating - 3A

Mating Connectors:

HE 14 Receptacle Housings - Page 27

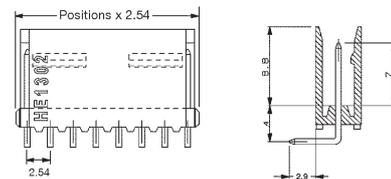


Single Row Straight



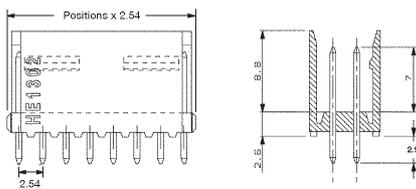
No. of Positions	Part Number
3	281695-3
4	281695-4
5	281695-5
6	281695-6
8	281695-8
10	1-281695-0
12	1-281695-2

Single Row Right Angle



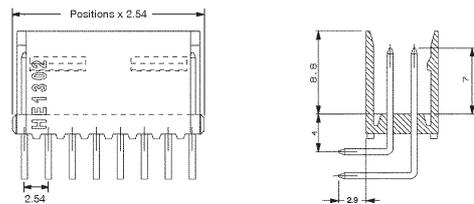
No. of Positions	Part Number
3	281698-3
4	281698-4
5	281698-5
6	281698-6
8	281698-8
10	1-281698-0
12	1-281698-2

Double Row Straight



No. of Positions	Part Number
2 x 3	281739-3
2 x 4	281739-4
2 x 5	281739-5
2 x 6	281739-6
2 x 8	281739-8
2 x 10	1-281739-0
2 x 12	1-281739-2

Double Row Right Angle



No. of Positions	Part Number
2 x 3	281742-3
2 x 4	281742-4
2 x 5	281742-5
2 x 6	281742-6
2 x 8	281742-8
2 x 10	1-281742-0
2 x 12	1-281742-2

CST-100 II Receptacle Housings & Contacts

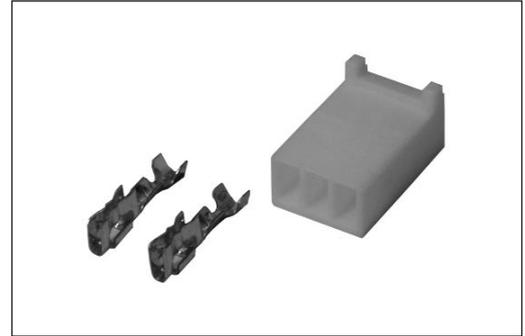
- Plastic latching feature in housing helps prevent contact backout
- Wide wire range for single contact (22 - 26 AWG) (0.3 - 0.12 mm²)
- Low cost wire-to-board interconnections
- Mates with specified MTA notched headers

Specification:

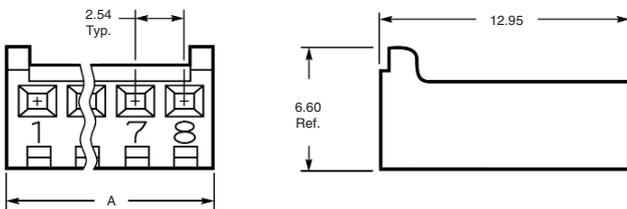
Housing - Nylon, white, UL94V-0
Contacts - Phosphor bronze
Current Rating - 4A max

Mating Connectors:

MTA-100 Headers - Page 31

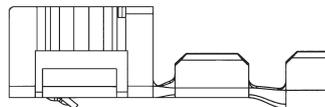


CST-100 II Housings



No. of Positions	Dimension A	Part Number	Comments
2	5.59	1375820-2	Can replace 770602-2
3	8.13	1375820-3	Can replace 770602-3
4	10.67	1375820-4	Can replace 770602-4
5	13.21	1375820-5	Can replace 770602-5
6	15.75	1375820-6	Can replace 770602-6
8	20.83	1375820-8	Can replace 770602-8
9	23.37	1375820-9	Can replace 770602-9
10	25.91	1-1375820-0	Can replace 1-770602-0
12	30.99	1-1375820-2	Can replace 1-770602-2

CST-100 II Crimp Snap-In Contacts



Plating	Packaging	Part Number Contact	Comments
Tin	Strip	1375819-1	Can replace 770601-1
	Loose Piece	1445336-1	Can replace 770666-1

MTA-100 IDC Connector Receptacles

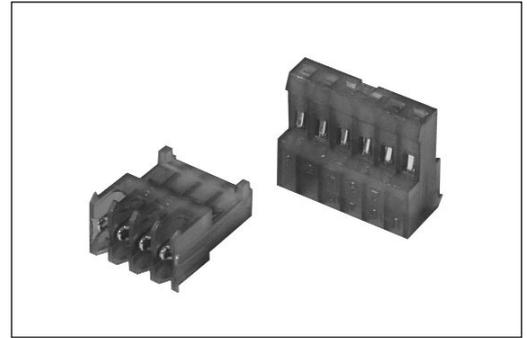
- Connectors preloaded with IDC contacts
- Connectors are end-to-end stackable
- Wire sizes 22, 24 & 26 AWG
- Molded ribs on housings do not allow reverse mating
- Rated to 250 Vac and 5A max

Specification:

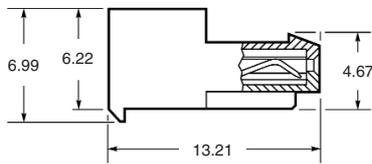
Housing - Nylon, UL94V-2 rated
Contacts - Phosphor bronze, tin plated

Mating Connectors:

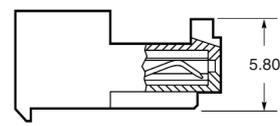
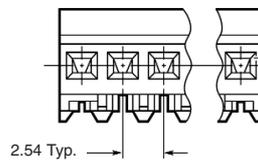
MTA-100 IDC Posted Connectors - Page 32
 MTA-100 Headers - Page 31



Closed End Connectors



Without polarizing tabs



With polarizing tabs

Number of Positions	Wire Size AWG (mm ²)	Part Number	
		Closed End Without Tabs	Closed End With Tabs
2	22 (0.3 - 0.4)	3-640440-2	
	24 (0.2)	3-640441-2	3-643814-2
	26 (0.12 - 0.15)	3-640442-2	
3	22 (0.3 - 0.4)	3-640440-3	
	24 (0.2)	3-640441-3	3-643814-3
	26 (0.12 - 0.15)	3-640442-3	
4	22 (0.3 - 0.4)	3-640440-4	
	24 (0.2)	3-640441-4	3-643814-4
	26 (0.12 - 0.15)	3-640442-4	
5	22 (0.3 - 0.4)	3-640440-5	
	24 (0.2)	3-640441-5	3-643814-5
	26 (0.12 - 0.15)	3-640442-5	
6	22 (0.3 - 0.4)	3-640440-6	
	24 (0.2)	3-640441-6	3-643814-6
	26 (0.12 - 0.15)	3-640442-6	
7	22 (0.3 - 0.4)	3-640440-7	
	24 (0.2)	3-640441-7	3-643814-7
	26 (0.12 - 0.15)	3-640442-7	
8	22 (0.3 - 0.4)	3-640440-8	
	24 (0.2)	3-640441-8	3-643814-8
	26 (0.12 - 0.15)	3-640442-8	
10	22 (0.3 - 0.4)	4-640440-0	
	24 (0.2)	4-640441-0	4-643814-0
	26 (0.12 - 0.15)	4-640442-0	
12	22 (0.3 - 0.4)	4-640440-2	
	24 (0.2)	4-640441-2	4-643814-4
	26 (0.12 - 0.15)	4-640442-2	

Colour coding by wire size

26 AWG - Blue
 24 AWG - White
 22 AWG - Red

MTA-100 Headers

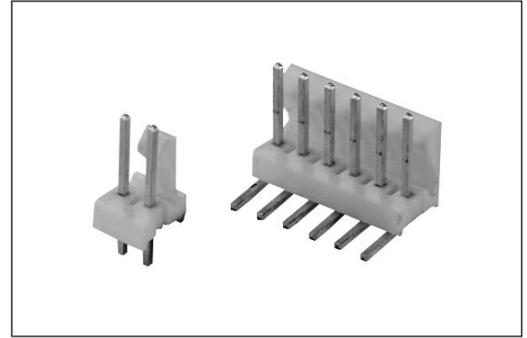
- Headers are end-to-end stackable
- Suitable for 1.57mm PCB thickness
- 0.64mm square post

Specification:

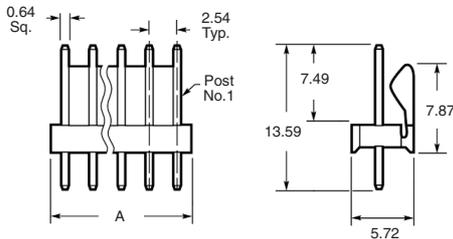
Housing - Polyester white, UL94V-0
Contacts - Copper alloy, tin plated

Mating Connectors:

MTA-100 IDC Receptacles - Page 30
CST-100 II Receptacle Housings - Page 29

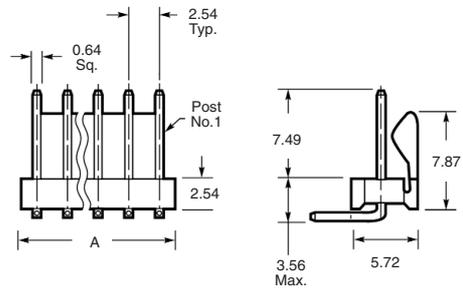


Straight



No. of Positions	Part Number	Friction Lock Square Post
2	640456-2	
3	640456-3	
4	640456-4	
5	640456-5	
6	640456-6	
7	640456-7	
8	640456-8	
10	1-640456-0	
12	1-640456-2	

Right Angle



No. of Positions	Part Number	Friction Lock Square Post
2	640457-2	
3	640457-3	
4	640457-4	
5	640457-5	
6	640457-6	
7	640457-7	
8	640457-8	
10	1-640457-0	
12	1-640457-2	

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MTA-100 IDC Posted Connectors

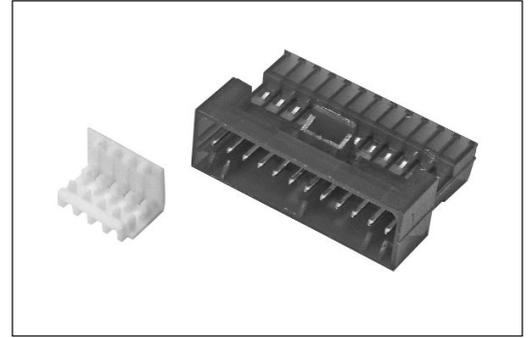
- Wire-to-post connectors preloaded with dual beam contacts
- Contacts are lubricated for fretting corrosion protection

Specification:

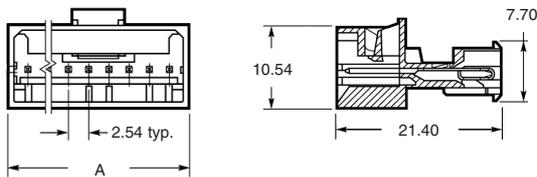
Housing - Nylon, blue UL94V-2
Contacts - Copper alloy, tin plated
Covers - Nylon, white UL94V-2

Mating Connectors:

MTA-100 IDC Receptacles - Page 30



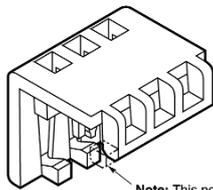
Posted Connectors (Wire-to-Wire) - Closed End



No. of Positions	Wire Size AWG (mm ²)	Dimension A	Part Number
2	26 (0.12 - 0.15)	7.62	3-647002-2
3	26 (0.12 - 0.15)	10.16	3-647002-3
4	26 (0.12 - 0.15)	12.70	3-647002-4
5	26 (0.12 - 0.15)	15.24	3-647002-5
6	26 (0.12 - 0.15)	17.78	3-647002-6
7	26 (0.12 - 0.15)	20.32	3-647002-7
8	26 (0.12 - 0.15)	22.86	3-647002-8
10	26 (0.12 - 0.15)	27.94	4-647002-0
12	26 (0.12 - 0.15)	33.02	4-647002-2

Accessories - Covers

Closed End Strain Relief Covers



Note: This portion of the front locking bar may or may not be present.

No. of Positions	Part Number
2	643075-2
3	643075-3
4	643075-4
5	643075-5
6	643075-6
7	643075-7
8	643075-8
10	1-643075-0
12	1-643075-2



Micro-Match Connectors

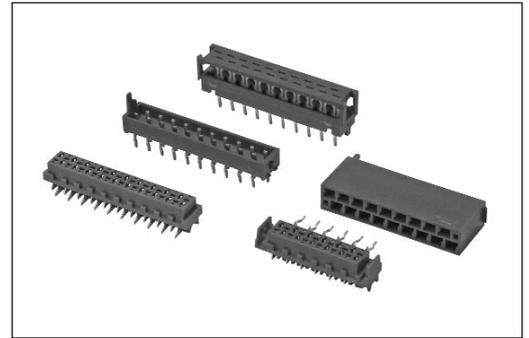
- One of the smallest 1.27mm ribbon cable systems
- High performance / cost ratio
- Tin plated contact design
- Fretting corrosion proof due to unique contact design

Specification:

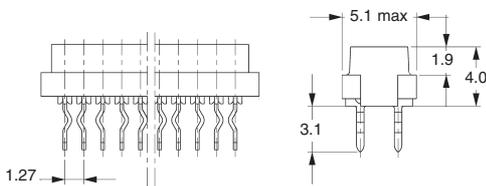
Housing - UL94V-0 rated

Contacts - Tin plated

Current Rating - 1.5A

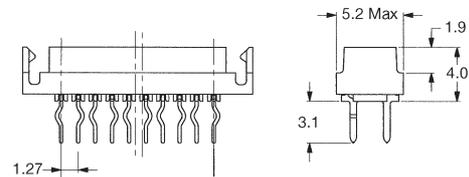


Female-on-Board - Top Entry, Through Hole



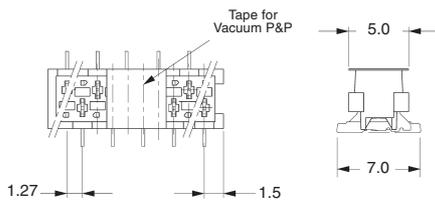
No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215079-4	7-215079-4
6	215079-6	7-215079-6
8	215079-8	7-215079-8
10	1-215079-0	8-215079-0
12	1-215079-2	8-215079-2
14	1-215079-4	8-215079-4
16	1-215079-6	8-215079-6
18	1-215079-8	8-215079-8
20	2-215079-0	9-215079-0

Female-on-Board - Top Entry, Through Hole With Locking Latches



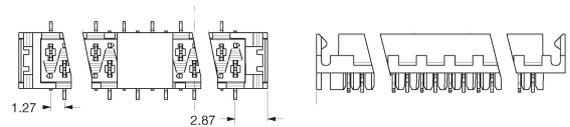
No. of Positions	Part Number
	Reel of 2500
4	338068-4
6	338068-6
8	338068-8
10	1-338068-0
12	1-338068-2
14	1-338068-4
16	1-338068-6
18	1-338068-8
20	2-338068-0

Female-on-Board - Top Entry, SMT



No. of Positions	Part Number	
	Without Tape	With Tape for Vacuum P&P
4	188275-4	7-188275-4
6	188275-6	7-188275-6
8	188275-8	7-188275-8
10	1-188275-0	8-188275-0
12	1-188275-2	8-188275-2
14	1-188275-4	8-188275-4
16	1-188275-6	8-188275-6
18	1-188275-8	8-188275-8
20	2-188275-0	9-188275-0

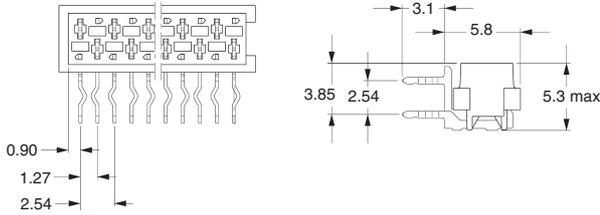
Female-on-Board - Top Entry, SMT With Locking Latches



No. of Positions	Part Number	
	Without Tape	With Tape for Vacuum P&P
4	338069-4	7-338069-4
6	338069-6	7-338069-6
8	338069-8	7-338069-8
10	1-338069-0	8-338069-0
12	1-338069-2	8-338069-2
14	1-338069-4	8-338069-4
16	1-338069-6	8-338069-6
18	1-338069-8	8-338069-8
20	2-338069-0	9-338069-0

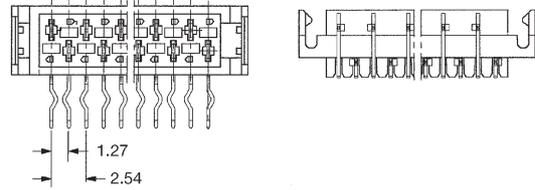
Micro-Match Connectors (continued)

Female-on-Board - Side Entry, Through Hole



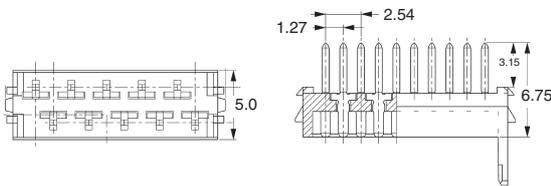
No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215460-4	7-215460-4
6	215460-6	7-215460-6
8	215460-8	7-215460-8
10	1-215460-0	8-215460-0
12	1-215460-2	8-215460-2
14	1-215460-4	8-215460-4
16	1-215460-6	8-215460-6
18	1-215460-8	8-215460-8
20	2-215460-0	9-215460-0

Female-on-Board - Side Entry, Through Hole With Locking Latches



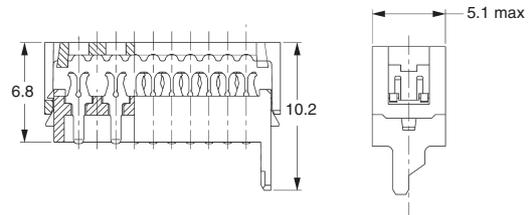
No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	338070-4	
6	338070-6	
8	338070-8	
10	1-338070-0	
12	1-338070-2	
14	1-338070-4	
16	1-338070-6	
18	1-338070-8	
20	2-338070-0	

Male-on-Board - Top Entry, Through Hole



No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215464-4	7-215464-4
6	215464-6	7-215464-6
8	215464-8	7-215464-8
10	1-215464-0	8-215464-0
12	1-215464-2	8-215464-2
14	1-215464-4	8-215464-4
16	1-215464-6	8-215464-6
18	1-215464-8	8-215464-8
20	2-215464-0	9-215464-0

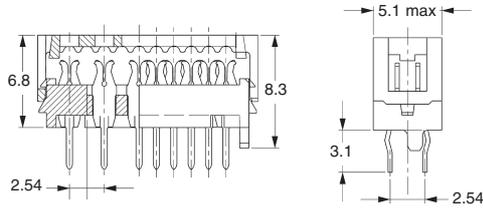
Male-on-Wire - IDC Connector



No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215083-4	7-215083-4
6	215083-6	7-215083-6
8	215083-8	7-215083-8
10	1-215083-0	8-215083-0
12	1-215083-2	8-215083-2
14	1-215083-4	8-215083-4
16	1-215083-6	8-215083-6
18	1-215083-8	8-215083-8
20	2-215083-0	9-215083-0

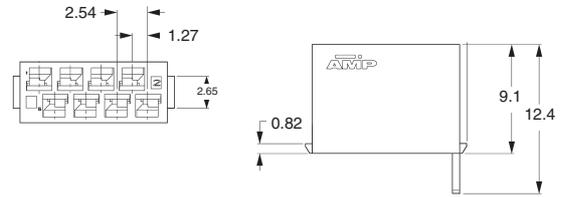
Micro-Match Connectors (continued)

Paddle Board - Through Hole, IDC Connector



No. of Positions	Part Number	
	Reel of 2500	Box of 250
4	215570-4	7-215570-4
6	215570-6	7-215570-6
8	215570-8	7-215570-8
10	1-215570-0	8-215570-0
12	1-215570-2	8-215570-2
14	1-215570-4	8-215570-4
16	1-215570-6	8-215570-6
18	1-215570-8	8-215570-8
20	2-215570-0	9-215570-0

Contact Housing - Discrete Wire



No. of Positions	Part Number
	4
6	338095-6
8	338095-8
10	1-338095-0
12	1-338095-2
14	1-338095-4
16	1-338095-6
18	1-338095-8
20	2-338095-0

Crimp Contacts

Wire Size AWG	Wire Size mm	Part Number	
		Reel of 15,000	Reel of 750
28 - 24	0.08 - 0.20	338096-1	1-338096-1
24 - 20	0.20 - 0.50	338097-1	1-338097-1

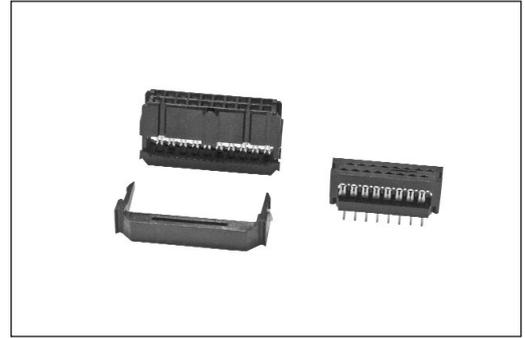


AMP-Latch Socket & Transition Connectors

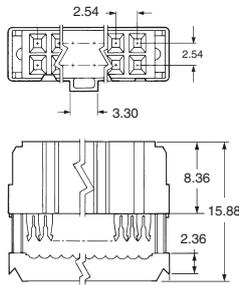
- For use with standard 1.27mm pitch ribbon cable
- Cover pre-assembled for ease of use

Specification:

Housing - Thermoplastic
Contacts - 0.38µm gold

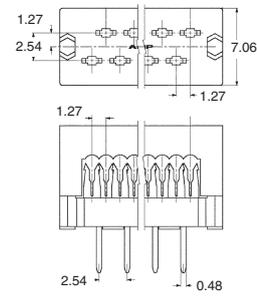


Socket with Centre Bump Ribbon Cable Termination



No. of Positions	Part Number
10	1658621-1
16	1658621-3
20	1658621-4
26	1658621-6
34	1658621-8
40	1658621-9
50	1-1658621-0

2 Row Solder Transition Connector Ribbon Cable Termination



No. of Positions	Part Number
10	2-746610-1
16	1-746610-4
20	1-746610-5
26	1-746610-6
34	1-746610-8
40	1-746610-9
50	2-746610-0

Strain Relief

No. of Positions	Part Number
10	499252-5
16	499252-8
20	499252-2
26	499252-3
34	499252-6
40	499252-1
50	499252-4

AMP-Latch Low Profile Box Headers

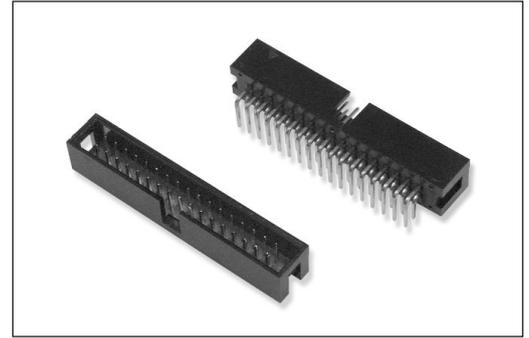
- Low cost
- Straight or right angle
- Gold plated contacts
- UL approved

Specification:

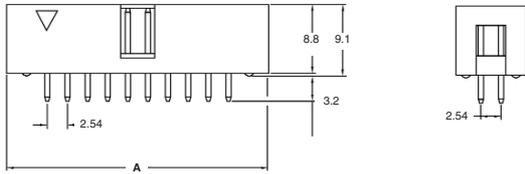
Housing - Black thermoplastic
UL 94V-0

Contacts - 0.25µm gold (Commercial)
- 0.38µm gold (Industrial)

Current Rating - 1A

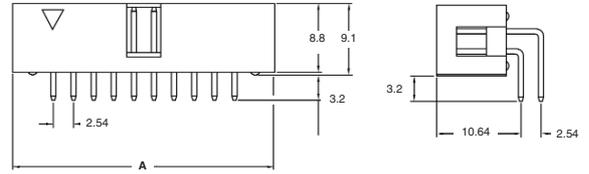


Straight - Commercial



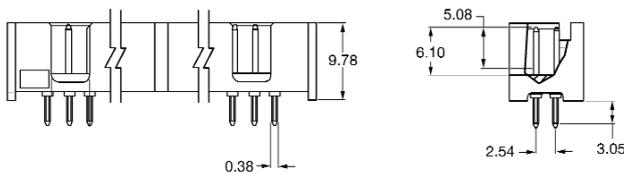
No. of Ways	Dimension A	Part Numbers
10	20.35	1-1634688-0
14	25.43	1-1634688-4
16	27.97	1-1634688-6
20	33.05	2-1634688-0
26	40.67	2-1634688-6
34	50.83	3-1634688-4
40	58.45	4-1634688-0
50	71.15	5-1634688-0

Right Angle - Commercial



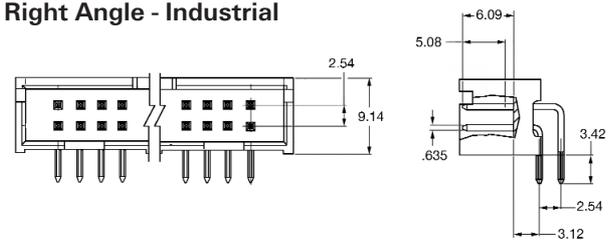
No. of Ways	Dimension A	Part Numbers
10	20.35	1-1634689-0
14	25.43	1-1634689-4
16	27.97	1-1634689-6
20	33.05	2-1634689-0
26	40.67	2-1634689-6
34	50.83	3-1634689-4
40	58.45	4-1634689-0
50	71.15	5-1634689-0

Straight - Industrial



No. of Positions	Part Number
10	5103308-1
16	5103308-3
20	5103308-5
26	5103308-6
34	5103308-7
40	5103308-8
50	1-5103308-0

Right Angle - Industrial



No. of Positions	Part Number
10	5103310-1
16	5103310-3
20	5103310-5
26	5103310-6
34	5103310-7
40	5103310-8
50	1-5103310-0

AMP-Latch Latched Headers

- Available with long or short lock eject latches
- Latches pre-assembled

Specification:

Housing - Thermoplastic
Contacts - 0.38µm gold



Standard Header Straight - Through Hole - Short Locking Latches

No. of Positions	Part Number
10	5499910-1
16	5499910-3
20	5499910-4
26	5499910-6
34	5499910-8
40	5499910-9
50	1-5499910-0

Standard Header Straight - Through Hole - Long Locking Latches

No. of Positions	Part Number
10	5499922-1
16	5499922-3
20	5499922-4
26	5499922-6
34	5499922-8
40	5499922-9
50	1-5499922-0

Standard Header Right Angle - Through Hole - Short Locking Latches

No. of Positions	Part Number
10	5499913-1
16	5499913-3
20	5499913-4
26	5499913-6
34	5499913-8
40	5499913-9
50	1-5499913-0

Standard Header Right Angle - Through Hole - Long Locking Latches

No. of Positions	Part Number
10	5499786-1
16	5499141-3
20	5499786-4
26	5499786-6
34	5499786-8
40	5499786-9
50	1-5499786-0



Micro MATE-N-LOK 3mm Housings

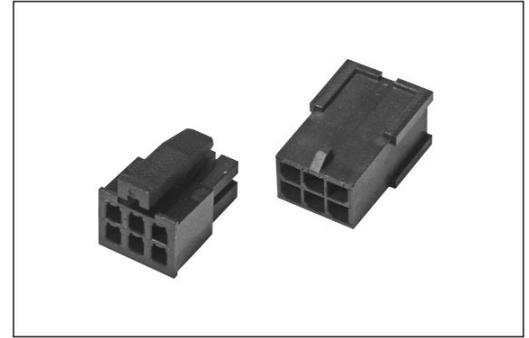
- 3mm centreline spacing
- Single and double row housings
- Panel mount and free hanging style
- Dual beam contact design for reliable interconnection

Specification:

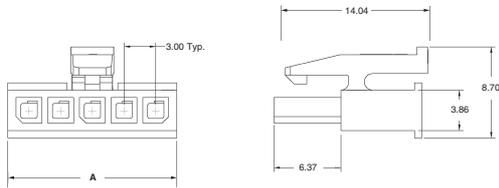
Housing - Nylon, Black UL 94V-0
Contacts - Brass (Pin) or phosphor bronze (receptacle)
Current Rating - 5A max.

Mating Connectors:

Micro MATE-N-LOK 3mm Headers - Page 41

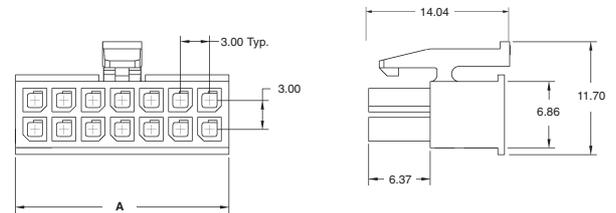


Receptacle Housings - Single Row



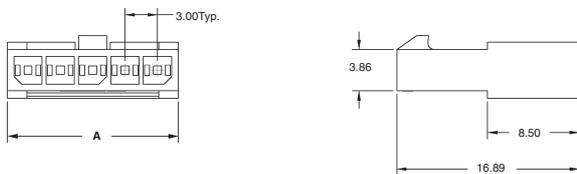
Number of Circuits	Dimension A	Part Number
2	7.00	1445022-2
3	10.00	1445022-3
4	13.00	1445022-4
5	16.00	1445022-5
6	19.00	1445022-6

Receptacle Housings - Dual Row



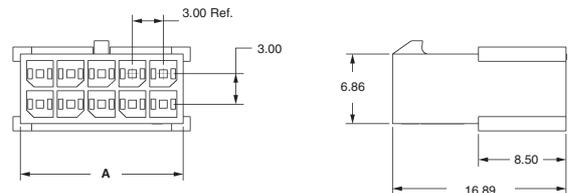
Number of Circuits	Dimension A	Part Number
2	4.00	794617-2
4	7.00	794617-4
6	10.00	794617-6
8	13.00	794617-8
10	16.00	1-794617-0
12	19.00	1-794617-2
16	25.00	1-794617-6
20	31.00	2-794617-0
24	37.00	2-794617-4

Plug Housings - Single Row, Free Hanging



Number of Circuits	Dimension A	Part Number
2	6.85	1445049-2
3	9.85	1445049-3
4	12.85	1445049-4
5	15.85	1445049-5
6	18.85	1445049-6

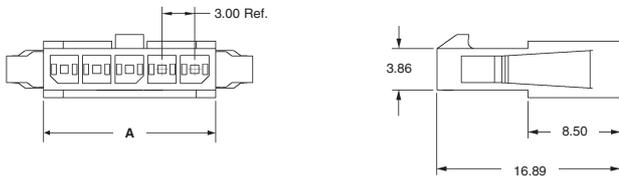
Plug Housings - Dual Row, Free Hanging



Number of Circuits	Dimension A	Part Number
2	3.85	794616-2
4	6.85	794616-4
6	9.85	794616-6
8	12.85	794616-8
10	15.85	1-794616-0
12	18.85	1-794616-2
16	24.85	1-794616-6
20	30.85	2-794616-0
24	36.85	2-794616-4

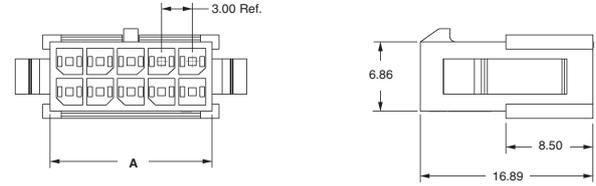
Micro MATE-N-LOK 3mm Housings (continued)

Plug Housings - Single Row, Panel Mount



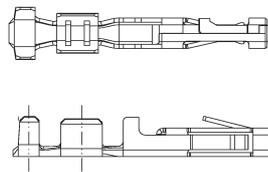
Number of Circuits	Dimension A	Part Number
2	6.85	1445048-2
3	9.85	1445048-3
4	12.85	1445048-4
5	15.85	1445048-5
6	18.85	1445048-6

Plug Housings - Dual Row, Panel Mount

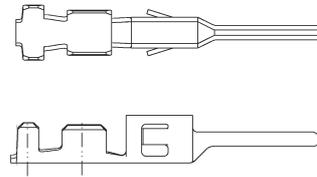


Number of Circuits	Dimension A	Part Number
2	3.85	794615-2
4	6.85	794615-4
6	9.85	794615-6
8	12.85	794615-8
10	15.85	1-794615-0
12	18.85	1-794615-2
16	24.85	1-794615-6
20	30.85	2-794615-0
24	36.85	2-794615-4

Crimp Snap-In Contacts



Receptacle Contact



Plug Contact

Wire Size Range	Insulation Diameter	Plating	Packaging	Part Number	
				Receptacle Contact	Plug Contact
0.20 - 0.50	0.89 - 1.52	Tin	Tape and Reel	794606-1	1-794608-0
			Loose Piece	794610-1	1-794612-0
0.05 - 0.12	0.89 - 1.52	Tin	Tape and Reel	794607-1	1-794609-0
			Loose Piece	794611-1	1-794613-0

*Find application tooling
see page 157*

www.tooling.tycoelectronics.com/europe

Micro MATE-N-LOK 3mm Headers

- PCB mount pin headers available in vertical and right-angle style
- SMT or through-hole PCB pin headers
- PCB headers are IR reflow process compatible
- 3mm centreline spacing

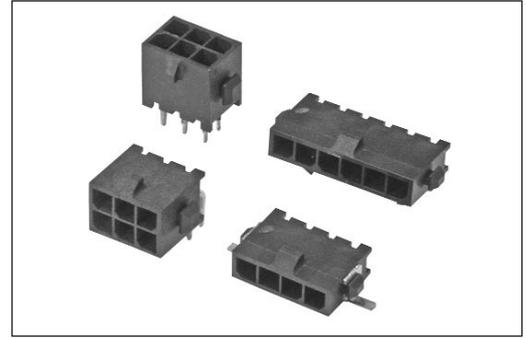
Specification:

Housing - High temperature Nylon,
Black UL 94V-0

Contacts - Brass, Tin plated

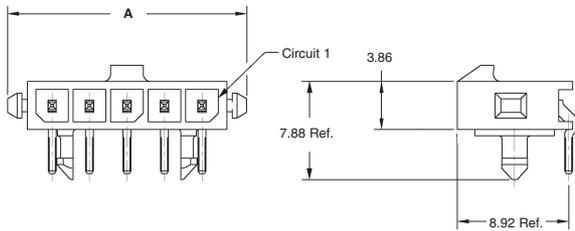
Mating Connectors:

Micro MATE-N-LOK 3mm
Receptacle Housings - Page 39



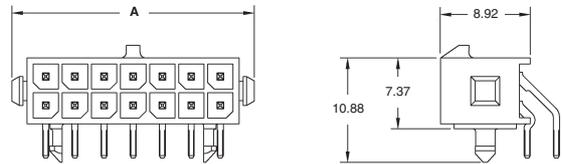
Right-Angle Header Assemblies

Single Row, Through Hole, with Plastic Boardlock



Number of Circuits	Dimension A	Part Number
2	10.14	2-1445055-2
3	13.14	2-1445055-3
4	16.14	2-1445055-4
5	19.14	2-1445055-5
6	22.14	2-1445055-6

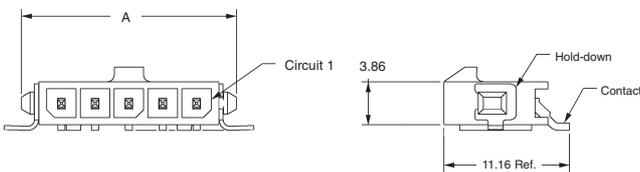
Dual Row, Through Hole, with Plastic Boardlock



Number of Circuits	Dimension A	Part Number
2	7.00	3-794618-2
4	10.00	3-794618-4
6	13.00	3-794618-6
8	16.00	3-794618-8
10	19.00	4-794618-0
12	22.00	4-794618-2
16	28.00	4-794618-6
20	34.00	5-794618-0
24	40.00	5-794618-4

Right-Angle Header Assemblies

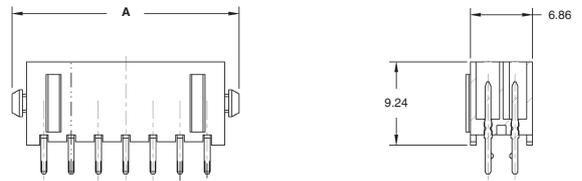
Single Row, Surface Mount, with Surface Mount Hold-down



Number of Circuits	Dimension A	Part Number
2	10.00	2-1445057-2
3	13.00	2-1445057-3
4	16.00	2-1445057-4
5	19.00	2-1445057-5
6	22.00	2-1445057-6

Vertical Header Assemblies

Dual Row, Through Hole, with Retention Feature on Solder Tail



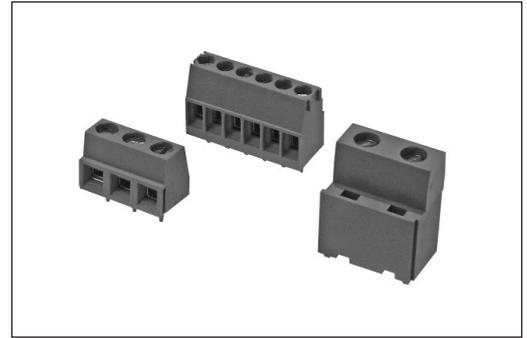
Number of Circuits	Dimension A	Part Number
2	7.00	3-794630-2
4	10.00	3-794630-4
6	13.00	3-794630-6
8	16.00	3-794630-8
10	19.00	4-794630-0
12	22.00	4-794630-2
16	28.00	4-794630-6
20	34.00	5-794630-0
24	40.00	5-794630-4

Terminal Blocks, Board Mount, Side Wire Entry

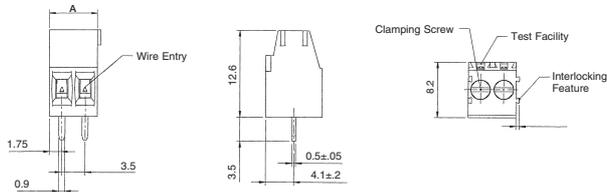
- Interlocking feature
- Test facility

Specification:

Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

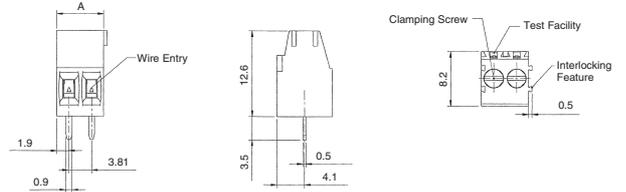


3.50mm Centreline - Side Wire Entry



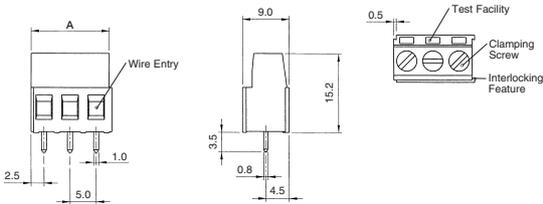
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	13.5A	200V	7.0	284391-2
3	0.05 - 1.5	13.5A	200V	10.5	284391-3
4	0.05 - 1.5	13.5A	200V	14.0	284391-4
5	0.05 - 1.5	13.5A	200V	17.5	284391-5
6	0.05 - 1.5	13.5A	200V	21.0	284391-6
9	0.05 - 1.5	13.5A	200V	31.5	284391-9

3.81mm Centreline - Side Wire Entry



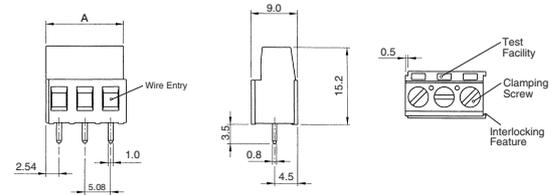
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	13.5A	200V	7.62	284392-2
3	0.05 - 1.5	13.5A	200V	11.43	284392-3
4	0.05 - 1.5	13.5A	200V	15.24	284392-4
5	0.05 - 1.5	13.5A	200V	19.05	284392-5
6	0.05 - 1.5	13.5A	200V	22.86	284392-6
9	0.05 - 1.5	13.5A	200V	34.29	284392-9

5.00mm Centreline - Side Wire Entry



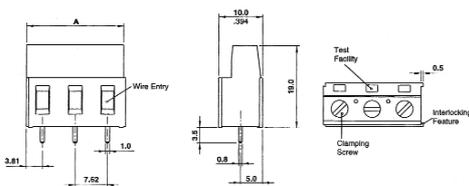
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 2.5	17.5A	300V	10.0	796683-2
3	0.05 - 2.5	17.5A	300V	15.0	796683-3
4	0.05 - 2.5	17.5A	300V	20.0	796683-4
5	0.05 - 2.5	17.5A	300V	25.0	796683-5
6	0.05 - 2.5	17.5A	300V	30.0	796683-6

5.08mm Centreline - Side Wire Entry



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 2.5	17.5A	300V	10.16	282841-2
3	0.05 - 2.5	17.5A	300V	15.24	282841-3
4	0.05 - 2.5	17.5A	300V	20.32	282841-4
5	0.05 - 2.5	17.5A	300V	25.40	282841-5
6	0.05 - 2.5	17.5A	300V	30.48	282841-6

7.62mm Centreline - Side Wire Entry



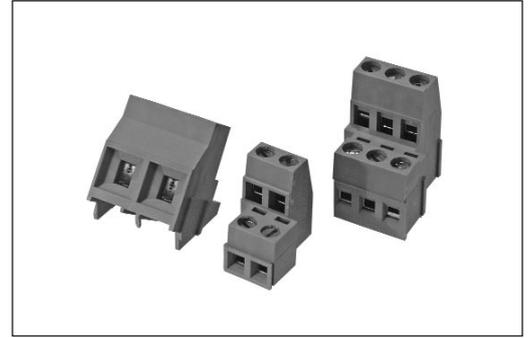
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 2.5	24A	450V	15.24	282861-2
3	0.05 - 2.5	24A	450V	22.86	282861-3

Terminal Blocks, Board Mount, 35° Angled Wire Entry Multi Level Stacking

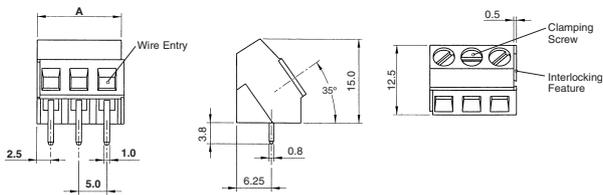
- Interlocking feature
- Test facility

Specification:

Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

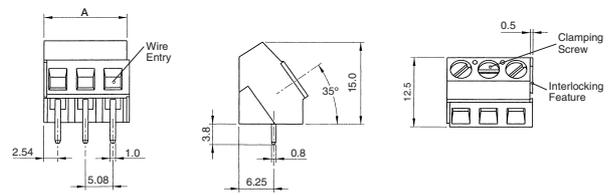


5.00mm Centreline - Side Wire Entry



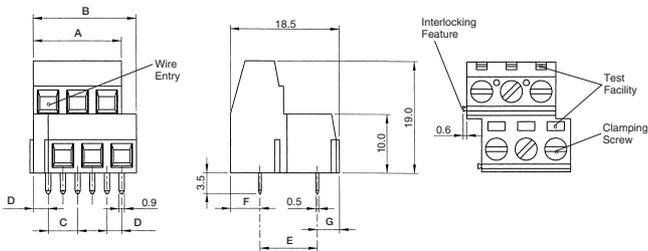
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	17.5A	300V	10.00	796690-2
3	0.05 - 1.5	17.5A	300V	15.00	796690-3
4	0.05 - 1.5	17.5A	300V	20.00	796690-4
5	0.05 - 1.5	17.5A	300V	25.00	796690-5
6	0.05 - 1.5	17.5A	300V	30.00	796690-6

5.08mm Centreline - Side Wire Entry



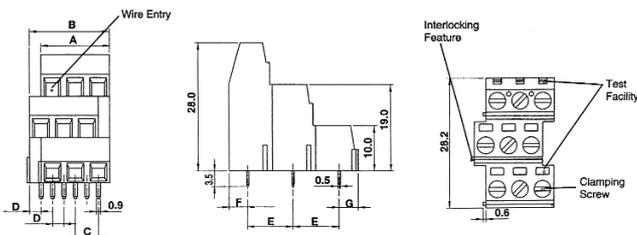
No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	17.5A	300V	10.16	282847-2
3	0.05 - 1.5	17.5A	300V	15.24	282847-3
4	0.05 - 1.5	17.5A	300V	20.32	282847-4
5	0.05 - 1.5	17.5A	300V	25.40	282847-5
6	0.05 - 1.5	17.5A	300V	30.48	282847-6

5.08mm Centreline - 1st and 2nd Level Stacking



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension							Part Number
				A	B	C	D	E	F	G	
2	0.05 - 1.00	17.5A	300V	10.16	12.70	5.08	2.54	10.16	4.24	4.1	282869-2
3	0.05 - 1.00	17.5A	300V	15.24	17.78	5.08	2.54	10.16	4.24	4.1	282869-3

5.08mm Centreline - Three Levels Stacking



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension							Part Number
				A	B	C	D	E	F	G	
2	0.05 - 1.00	17.5A	300V	10.16	12.70	5.08	2.54	10.16	3.78	4.1	282877-2
3	0.05 - 1.00	17.5A	300V	15.24	17.78	5.08	2.54	10.16	3.78	4.1	282877-3

Terminal Blocks, Two Piece Terminal Block Connectors

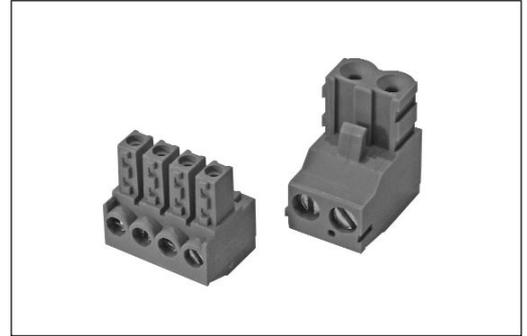
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- Polarisable

Specification:

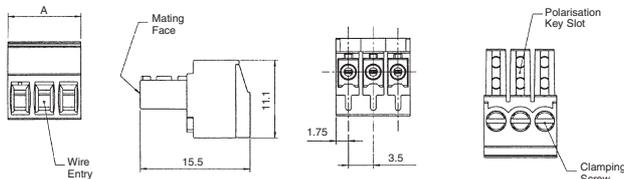
Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

Mating Connectors:

Terminal Block Headers - Pages 45 & 46



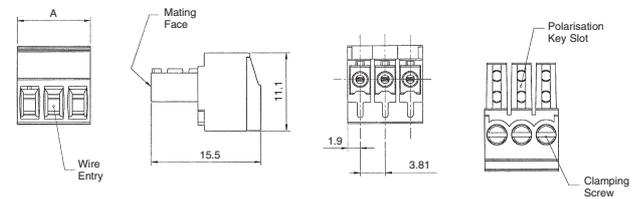
3.50mm Centreline - Plug, Right-Angle



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.0	13.5A	300V	7.0	284506-2
3	0.05 - 1.0	13.5A	300V	10.5	284506-3
4	0.05 - 1.0	13.5A	300V	14.0	284506-4
5	0.05 - 1.0	13.5A	300V	17.5	284506-5
6	0.05 - 1.0	13.5A	300V	21.0	284506-6

Polarisation Key	1546050-1
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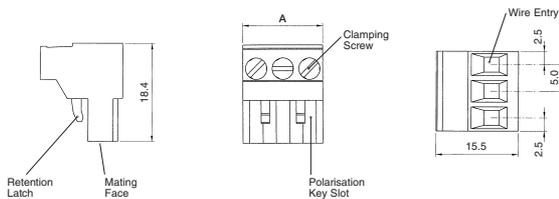
3.81mm Centreline - Plug, Right-Angle



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.0	13.5A	300V	7.62	284507-2
3	0.05 - 1.0	13.5A	300V	11.43	284507-3
4	0.05 - 1.0	13.5A	300V	15.24	284507-4
5	0.05 - 1.0	13.5A	300V	19.05	284507-5
6	0.05 - 1.0	13.5A	300V	22.86	284507-6

Polarisation Key	1546050-1
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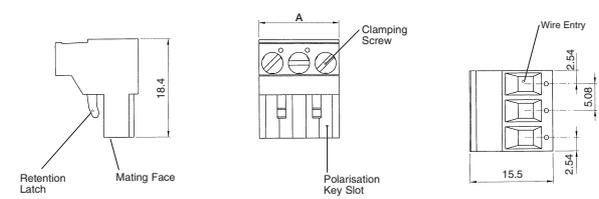
5.00mm Centreline - Plug, Right-Angle



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	15A	300V	10.0	796640-2
3	0.05 - 1.5	15A	300V	15.0	796640-3
4	0.05 - 1.5	15A	300V	20.0	796640-4
5	0.05 - 1.5	15A	300V	25.0	796640-5
6	0.05 - 1.5	15A	300V	30.0	796640-6

Polarisation Key	282969-1
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5.08mm Centreline - Plug, Right-Angle



No. of Positions	Wire Range (mm ²)	Current Rating	Voltage Level	Dimension A	Part Number
2	0.05 - 1.5	15A	300V	10.16	796634-2
3	0.05 - 1.5	15A	300V	15.24	796634-3
4	0.05 - 1.5	15A	300V	20.32	796634-4
5	0.05 - 1.5	15A	300V	25.40	796634-5
6	0.05 - 1.5	15A	300V	30.48	796634-6

Polarisation Key	282969-1
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Terminal Blocks, Two Piece Terminal Block Connectors

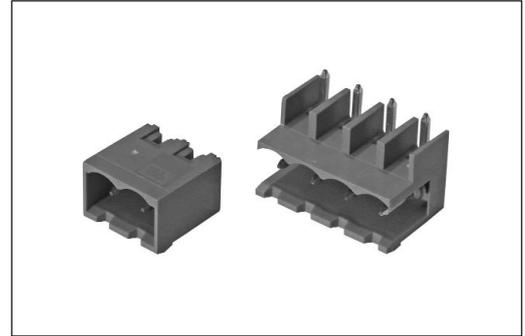
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- Polarisable

Specification:

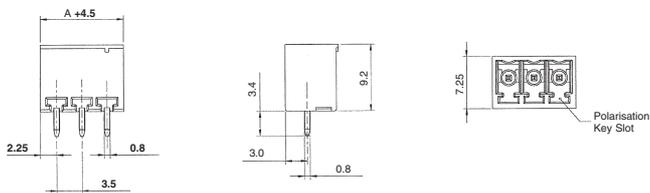
Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

Mating Connectors:

Terminal Block Plugs - Page 44



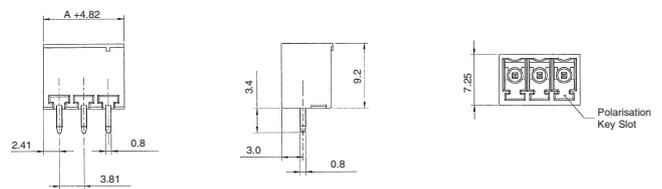
3.50mm Centreline - Straight, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	13.5A	3.5	284514-2
3	300V	13.5A	7.0	284514-3
4	300V	13.5A	10.5	284514-4
5	300V	13.5A	14.0	284514-5
6	300V	13.5A	17.5	284514-6

Polarisation Key	1546051-1
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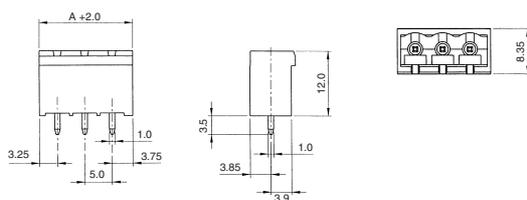
3.81mm Centreline - Straight, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	13.5A	3.81	284517-2
3	300V	13.5A	7.62	284517-3
4	300V	13.5A	11.43	284517-4
5	300V	13.5A	15.24	284517-5
6	300V	13.5A	19.05	284517-6

Polarisation Key	1546051-1
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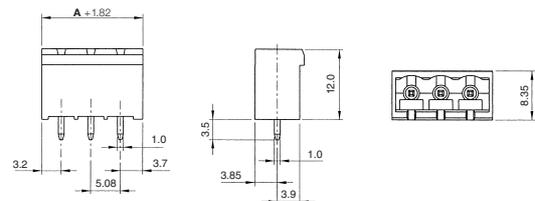
5.00mm Centreline - Straight, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	15A	10.0	796642-2
3	300V	15A	15.0	796642-3
4	300V	15A	20.0	796642-4
5	300V	15A	25.0	796642-5
6	300V	15A	30.0	796642-6

Polarisation Key	282970-1
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5.08mm Centreline - Straight, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	15A	10.16	796636-2
3	300V	15A	15.24	796636-3
4	300V	15A	20.32	796636-4
5	300V	15A	25.40	796636-5
6	300V	15A	30.48	796636-6

Polarisation Key	282970-1
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Terminal Blocks, Two Piece Terminal Block Connectors

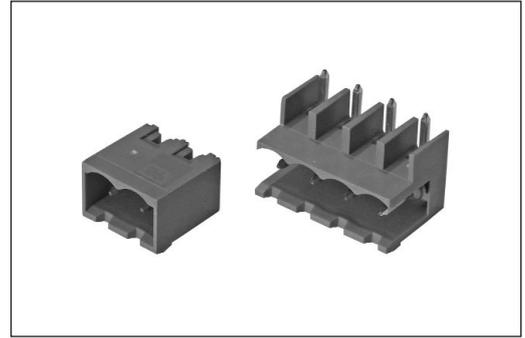
- Closed header
- Polarisable

Specification:

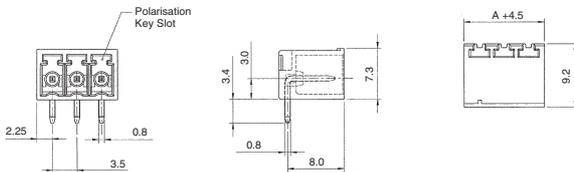
Housing - PA 6.6, green, UL94V-0
Contacts - Brass, tin plated

Mating Connectors:

Terminal Block Plugs - Page 44



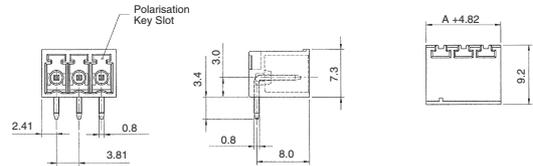
3.50mm Centreline - Right-Angle, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	13.5A	8.0	284512-2
3	300V	13.5A	11.5	284512-3
4	300V	13.5A	15.0	284512-4
5	300V	13.5A	18.5	284512-5
6	300V	13.5A	22.0	284512-6

Polarisation Key	1546051-1
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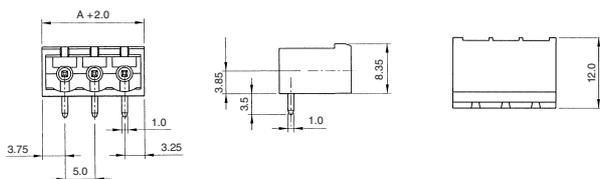
3.81mm Centreline - Right-Angle, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	13.5A	3.81	284513-2
3	300V	13.5A	7.62	284513-3
4	300V	13.5A	11.43	284513-4
5	300V	13.5A	15.24	284513-5
6	300V	13.5A	19.05	284513-6

Polarisation Key	1546051-1
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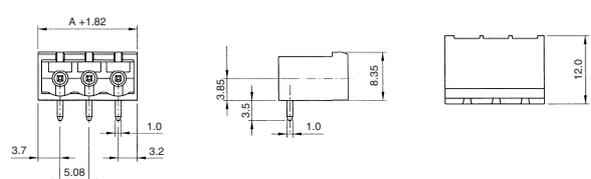
5.00mm Centreline - Right-Angle, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	15A	10.0	796644-2
3	300V	15A	15.0	796644-3
4	300V	15A	20.0	796644-4
5	300V	15A	25.0	796644-5
6	300V	15A	30.0	796644-6

Polarisation Key	282970-1
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5.08mm Centreline - Right-Angle, Closed End Headers



No. of Positions	Voltage Rating	Current Rating	Dimension A	Part Number
2	300V	15A	10.16	796638-2
3	300V	15A	15.24	796638-3
4	300V	15A	20.32	796638-4
5	300V	15A	25.40	796638-5
6	300V	15A	30.48	796638-6

Polarisation Key	282970-1
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AMPMODU MOD I Receptacle Housings & Contacts

- Rugged large scale system
- Built-in polarisation and latching
- Gold or tin plated crimp snap-in contacts

Specification:

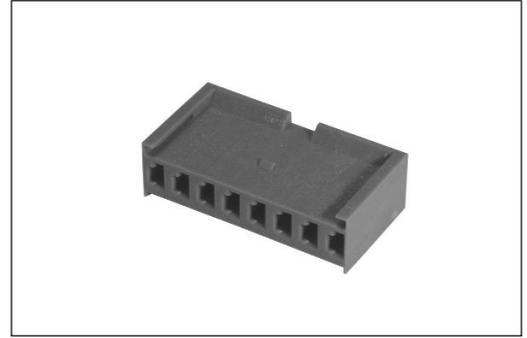
Housing - Green glass fibre filled polycarbonate UL 94V-1

Contacts - Phosphor bronze

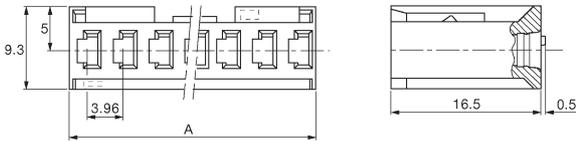
Current Rating - 5A

Mating Connectors:

MOD I Shrouded Headers - Page 48



Single Row



No. of Positions	Dimension A	Part Number
2	7.8	280590
4	15.7	280591
6	23.7	280592
8	31.6	280593
10	39.5	280594
12	47.4	280595
Keying Plug		87116-2

Crimp Snap-In Contacts - Standard Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number	
				0.4µm Gold	Tin
0.32 - 0.80	22 - 18	1.80 - 2.30	Tape and Reel	280621-2	280621-1
			Loose Piece	181299-2	181299-1

Crimp Snap-In Contacts - High Contact Pressure

Wire Size Range mm ²	AWG	Insulation Diameter mm	Packaging	Part Number Tin
0.32 - 0.80	22 - 18	1.80 - 2.30	Tape and Reel	280702-1
			Loose Piece	182198-1
0.5 - 1.0	20 - 17	2.20 - 2.80	Tape and Reel	281423-1

AMPMODU MOD I Shrouded Headers

- Straight or right angle
- Built-in polarisation and latching
- Gold or tin plated contacts
- 0.79 x 1.57mm posts

Specification:

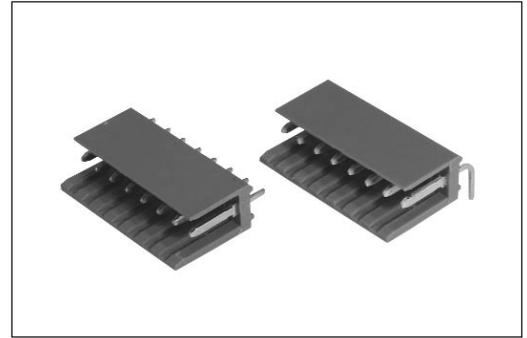
Housing - Green glass fibre filled polycarbonate UL 94V-1

Contacts - Brass (gold plating) or phosphor bronze (tin plating)

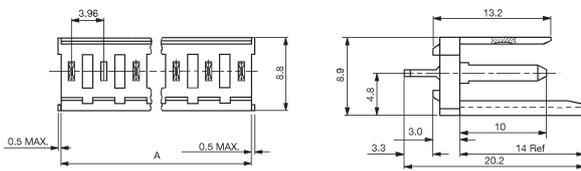
Current Rating - 5A

Mating Connectors:

MOD I Receptacle Housings - Page 47

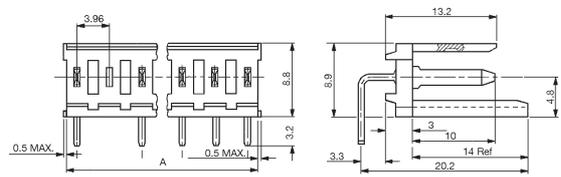


Single Row Straight



No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2	6.2	280609-2	280609-1
4	14.2	280610-2	280610-1
6	22.1	280611-2	280611-1
8	30.0	280612-2	280612-1
10	37.9	280613-2	280613-1
12	45.9	280614-2	280614-1

Single Row Right-Angle



No. of Positions	Dimension A	Part Number	
		0.4µm Gold	Tin
2	6.2	280615-2	280615-1
4	14.2	280616-2	280616-1
6	22.1	280617-2	280617-1
8	30.0	280618-2	280618-1
10	37.9	280619-2	280619-1
12	45.9	280620-2	280620-1

*Product specifications
and drawings -
enter part number at*

www.tycoelectronics.com

SL-156 Receptacle Housings & Contacts

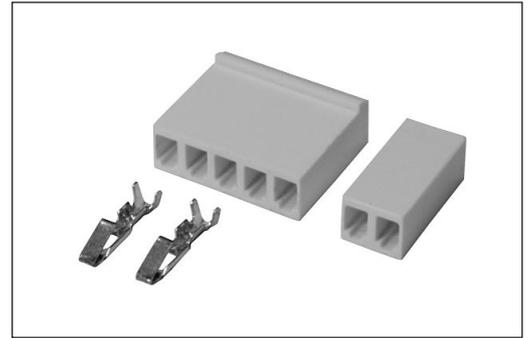
- Connectors are end-to-end stackable
- With polarization and friction lock for positive mating
- Rated to 250 Vac and 10 Amp max

Specification:

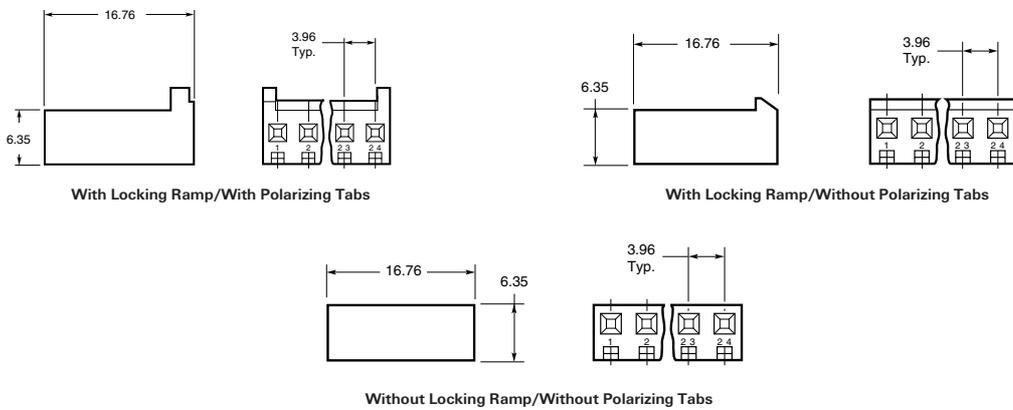
Housing - Nylon, white, UL94V-0
Contacts - Brass or phosphor bronze, tin plated
Current Rating - 10A max

Mating Connectors:

MTA-156 Headers - Page 5 1

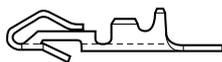


SL-156 Housings



No. of Positions	With Locking Ramp & Polarizing Tabs	Part Number With Locking Ramp & Without Polarizing Tabs	Without Locking Ramp or Polarizing Tabs
2	770849-2	640250-2	640251-2
3	770849-3	640250-3	640251-3
4	770849-4	640250-4	640251-4
5	770849-5	640250-5	640251-5
6	770849-6	640250-6	640251-6
7	770849-7	640250-7	640251-7
8	770849-8	640250-8	640251-8
10	1-770849-0	1-640250-0	1-640251-0
12	1-770849-2	1-640250-2	1-640251-2

SL-156 Crimp Snap-In Contacts



High Force
(6.5 Amp Max. Current Rating)



Low Force
(6.5 Amp Max. Current Rating)



Hooded (Dual Wipe)
(10 Amp. Max. Current Rating)

Wire Size AWG (mm ²)	Type	Material	Strip	Part Number	Loose Piece
18-24 (0.9 - 0.2)	High Force	Brass	640252-2	640706-2	
		Brass	3-640252-1	3-640706-1	
	Low Force	Brass	350980-2	-	
		Brass	3-350980-1	-	
	Dual Wipe	Phosphor bronze	3-770476-1	3-770522-1	

MTA-156 IDC Connector Receptacles

- Connectors preloaded with IDC contacts
- Connectors are end-to-end stackable
- Wire sizes 18, 20 & 22 AWG
- Molded ribs on housings do not allow reverse mating
- Rated to 600 Vac and 7 Amp max.

Specification:

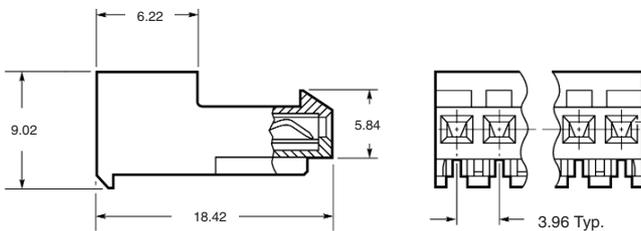
Housing - Nylon, UL94V-2
Contacts - Phosphor bronze, tin plated

Mating Connectors:

MTA-156 IDC Posted Connectors - Page 52
 MTA-156 Headers - Page 51



**Closed End Connectors -
With Locking Ramp & Without Tabs**



Number of Positions	Wire Size AWG (mm ²)	Part Number
2	18 (0.8 - 0.9)	3-640426-2
	20 (0.5 - 0.6)	3-640427-2
	22 (0.3 - 0.4)	3-640428-2
3	18 (0.8 - 0.9)	3-640426-3
	20 (0.5 - 0.6)	3-640427-3
	22 (0.3 - 0.4)	3-640428-3
4	18 (0.8 - 0.9)	3-640426-4
	20 (0.5 - 0.6)	3-640427-4
	22 (0.3 - 0.4)	3-640428-4
5	18 (0.8 - 0.9)	3-640426-5
	20 (0.5 - 0.6)	3-640427-5
	22 (0.3 - 0.4)	3-640428-5
6	18 (0.8 - 0.9)	3-640426-6
	20 (0.5 - 0.6)	3-640427-6
	22 (0.3 - 0.4)	3-640428-6
8	18 (0.8 - 0.9)	3-640426-8
	20 (0.5 - 0.6)	3-640427-8
	22 (0.3 - 0.4)	3-640428-8
10	18 (0.8 - 0.9)	4-640426-0
	20 (0.5 - 0.6)	4-640427-0
	22 (0.3 - 0.4)	4-640428-0

Colour coding by wire size

22 AWG - Red
 20 AWG - Yellow
 18 AWG - Orange



MTA-156 Headers

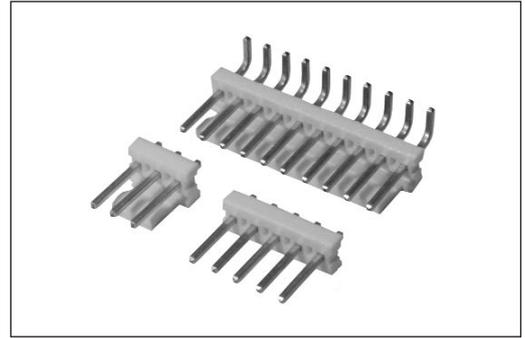
- Headers are end-to-end stackable
- Suitable for 1.57mm PCB thickness

Specification:

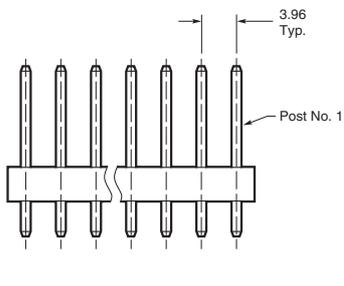
Housing - Polyester white, UL94V-0
Contacts - Copper alloy, tin plated

Mating Connectors:

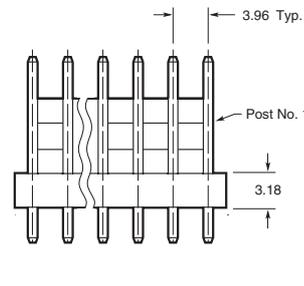
MTA-156 IDC Receptacles - Page 50
 SL-156 Receptacle Housings - Page 49



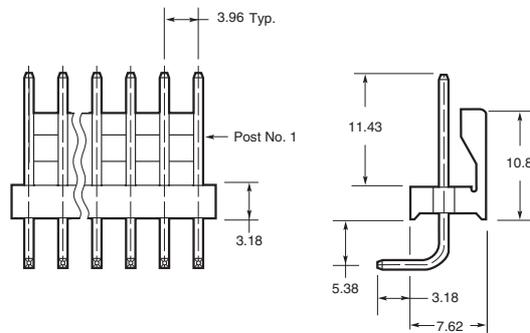
Headers



Flat Headers - Straight



Friction Lock Headers - Straight



Friction Lock Headers - Right Angle

No. of Positions	Part Number			
	Straight Flat Square Post	Straight Friction Lock Square Post	Straight Friction Lock Round Post	Right Angle (Front Bend) Friction Lock Square post
2	640383-2	640445-2	640388-2	640389-2
3	640383-3	640445-3	640388-3	640389-3
4	640383-4	640445-4	640388-4	640389-4
5	640383-5	640445-5	640388-5	640389-5
6	640383-6	640445-6	640388-6	640389-6
8	640383-8	640445-8	640388-8	640389-8
10	1-640383-0	1-640445-0	1-640388-0	1-640389-0

MTA-156 IDC Posted Connectors

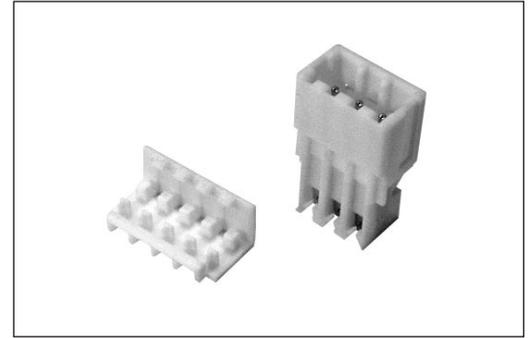
- Contacts are lubricated for fretting corrosion protection

Specification:

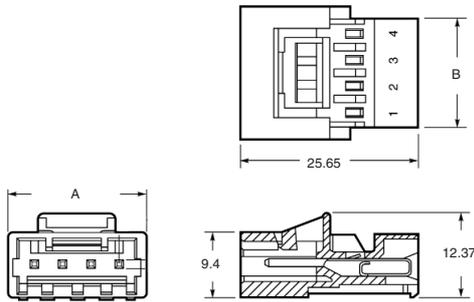
- Housing** - Nylon, UL94V-2
- Contacts** - Copper alloy, tin plated
- Covers** - Nylon, white UL94V-2

Mating Connectors:

MTA-156 IDC Receptacles - Page 50



Posted Connectors (Wire-to-Wire) - Closed End



Number of Positions	Wire Size AWG (mm ²)	Dimension A	Dimension B	Part Number
2	20 (0.5 - 0.6)	11.89	8.03	3-641436-2
	22 (0.3 - 0.4)			3-641437-2
3	20 (0.5 - 0.6)	15.85	11.99	3-641436-3
	22 (0.3 - 0.4)			3-641437-3
4	20 (0.5 - 0.6)	19.81	15.95	3-641436-4
	22 (0.3 - 0.4)			3-641437-4
6	20 (0.5 - 0.6)	27.74	23.88	3-641436-6
	22 (0.3 - 0.4)			3-641437-6

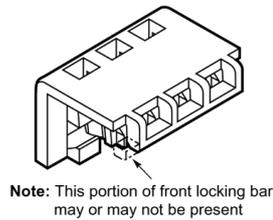
Colour coding by wire size

- 22 AWG - Red
- 20 AWG - Yellow

Accessories - Covers

Closed End Strain Relief Covers

No. of Positions	Part Number
2	643067-2
3	643067-3
4	643067-4
5	643067-5
6	643067-6
8	643067-8
10	1-643067-0

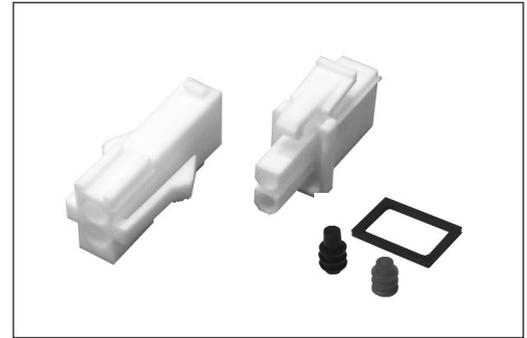


Mini Universal MATE-N-LOK Housings

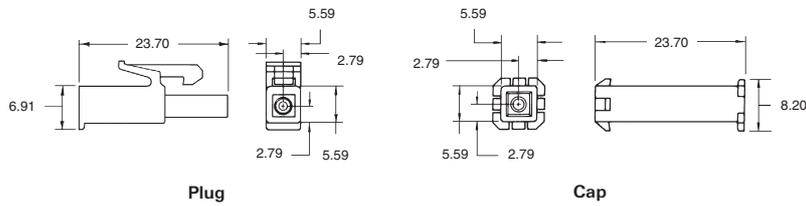
- Pins and Sockets can be accommodated in the same housing
- Fully polarised housings
- Splash proof housing using same Mini Universal MATE-N-LOK contacts
- Splash proof housing tested to IP 57 for 1.02 - 2.11mm insulation diameter wire

Specification:
Housing - Nylon

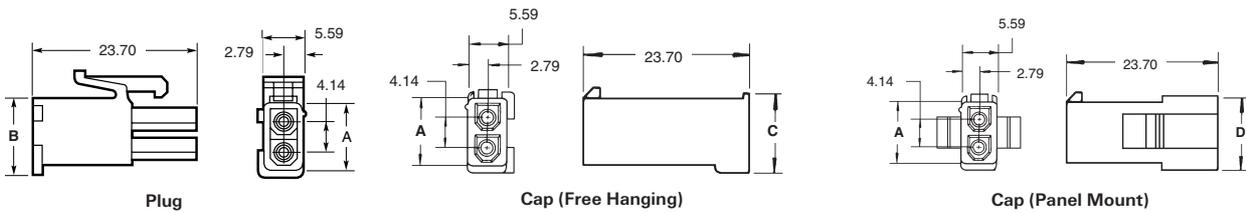
Mating Connectors:
Mini Universal MATE-N-LOK Headers -
Pages 56 & 57



1 Circuit, Free Hanging



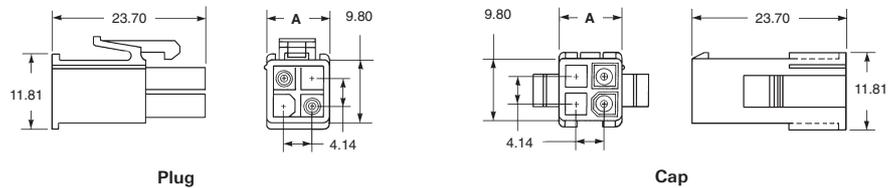
2 and 3 Circuit, In-Line



Number of Circuits	A	Dimension B	C	D	UL94V-0, White Colour			UL94V-2, Natural Colour		
					Part Number Plug	Part Number Cap Panel Mount	Part Number Cap Free Hanging	Part Number Plug	Part Number Cap Panel Mount	Part Number Cap Free Hanging
1	-	-	-	-	172164-1	-	172156-1	172335-1	-	172327-1
2	9.80	10.79	12.39	11.78	172165-1	172157-1	172233-1	172336-1	172328-1	172343-1
					794894-1*	794896-1*	-			
3	14.00	15.01	16.61	16.00	172166-1	172158-1	172234-1	-	-	-

* For Splash-Proof Sealing

4 and 6 Circuit, Dual Row

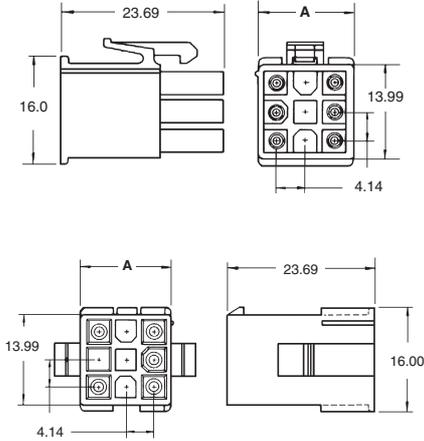


Number of Circuits	Dimension A	UL94V-0, White Colour		UL94V-2, Natural Colour	
		Part Number Plug	Part Number Cap	Part Number Plug	Part Number Cap
4	9.80	172167-1	172159-1	-	-
		794805-1*	794939-1*	-	-
6	14.00	172168-1	172160-1	172339-1	172331-1
		794895-1*	794940-1*	-	-

* For Splash-Proof Sealing

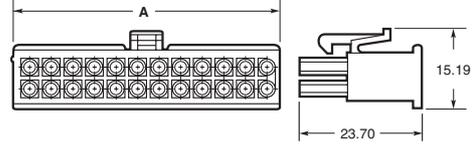
Mini Universal MATE-N-LOK Housings (continued)

**9, 12 and 15 Circuit,
Free Hanging or Panel Mount, Matrix**



Number of Circuits	Dimension A	Part Number UL94V-0, White Colour Plug Cap	
9	13.99	172169-1	172161-1
12	18.19	172170-1	172162-1
15	22.40	172171-1	172163-1

**8, 10, 12 and 20 Circuit,
Free Hanging Dual Row**



Number of Circuits	Dimension A	Part Number UL94V-0, White Colour Plug Cap	
8	18.14	770579-1	794941-1*
		794821-1*	
10	22.28	794781-1*	794942-1*
12	26.42	770581-1	-
20	42.98	770585-1	-

* For Splash-Proof Sealing

Interface Seals

Number of Circuits	Style	Part Number
2	In Line	794772-2
4	Dual Row	794772-4
6	Dual Row	794772-6
8	Dual Row	794772-8
10	Dual Row	1-794772-0

Single Wire Seal - Part Number 794758-1



Single Housing Cavity Plug Seal - Part Number 794995-1



Mini Universal MATE-N-LOK Contacts

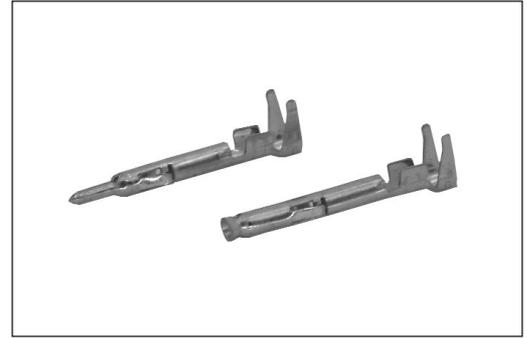
- Pins & Sockets can be utilised in the same housing
- Low insertion and extraction forces
- Contacts accept wire size range 30 - 16 AWG

Specification:

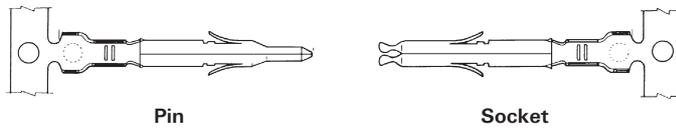
Contacts - Brass
Durability - 20 cycles
Current Rating - 9.5A max.

For use with:

Mini Universal MATE-N-LOK
 Plug or Cap housings in standard or
 sealed style - Pages 53 & 54



Pin & Socket Contacts



Wire Size Range	Insulation Diameter	Plating	Packaging	Part Number	
				Pin Contact	Socket Contact
0.12 - 0.30	1.20 - 1.80	Tin	Tape and Reel	170359-1	170361-1
			Loose Piece	170363-1	170365-1
		Gold	Tape and Reel	170359-3	170361-3
			Loose Piece	170363-3	170365-3
0.30 - 0.89 or 2 x 0.30	1.50 - 2.40 or 3.4 max	Tin	Tape and Reel	170360-1	170362-1
			Loose Piece	170364-1	170366-1
		Gold	Tape and Reel	170360-3	170362-3
			Loose Piece	170364-3	170366-3
0.50 - 1.30 or 2 x 0.50	2.0 - 3.20 or 2 x 2.4	Tin	Tape and Reel	171636-1	171637-1
			Loose Piece	171638-1	171639-1

*Find application tooling
see page 157*

www.tooling.tycoelectronics.com/europe

Mini Universal MATE-N-LOK Headers

- Available in vertical & right-angle configurations
- Solder tail diameter 1mm
- To be used in 1.57mm PCB thickness

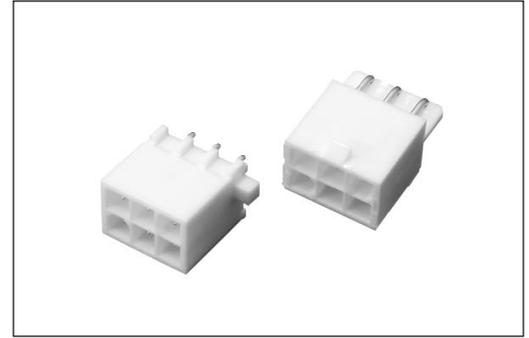
Specification:

Housing - Nylon, white
UL 94V-0

Contacts - Brass

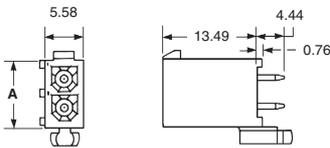
Mating Connectors:

Mini Universal MATE-N-LOK housings Plug & Cap - Pages 53 & 54

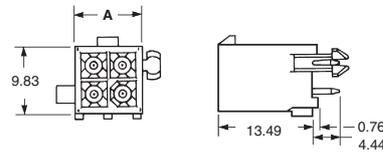


Vertical PC Board Pin Headers

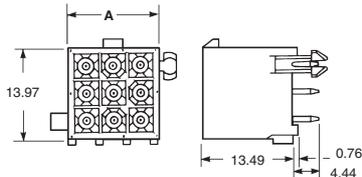
2 and 3 Circuit, In-Line



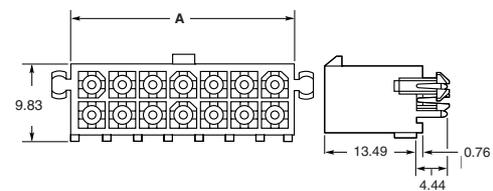
4, 6, and 8 Circuit, Dual Row



9, 12 and 15 Circuit, Matrix



20 Circuit, Dual Row

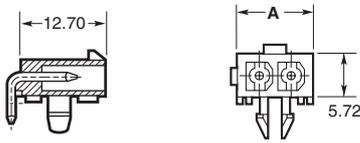


No. of Circuits	Style	Dimension A	Plating	Part Number Vertical Pin Header with Drain Holes
2	In-Line	9.83	Tin	1-770166-0
			Gold	1-770166-1
3	In-Line	13.97	Tin	1-770170-0
			Gold	1-770170-1
4	Dual Row	9.83	Tin	1-770174-0
			Gold	1-770174-1
6	Dual Row	13.97	Tin	1-770178-0
			Gold	1-770178-1
8	Dual Row	18.11	Tin	1-794065-0
			Gold	1-794065-1
9	Matrix	14.00	Tin	1-770182-0
			Gold	1-770182-1
12	Matrix	18.11	Tin	1-770186-0
			Gold	1-770186-1
15	Matrix	22.28	Tin	1-770190-0
			Gold	1-770190-1
20	Dual Row	42.95	Tin	1-794070-0
			Gold	1-794070-1

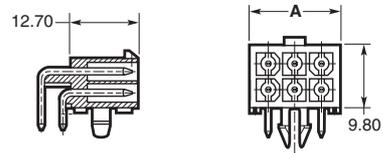
Mini Universal MATE-N-LOK Headers (continued)

Right-Angle PC Board Pin Headers

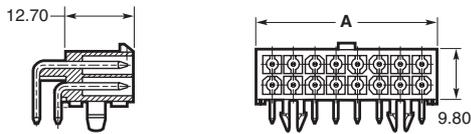
2 and 3 Circuit, In-Line



4, 6, 8 and 12 Circuit, Dual Row



20 Circuit, Dual Row



No. of Circuits	Style	Dimension A	Plating	Part Number Pin Header with Board Lock
2	In-Line	9.86	Tin	1-770966-0
3	In-Line	14.00	Tin	1-770967-0
4	Dual Row	9.86	Tin	1-770968-0
6	Dual Row	14.00	Tin	1-770969-0
8	Dual Row	18.14	Tin	1-770970-0
12	Dual Row	26.42	Tin	1-770972-0
20	Dual Row	42.98	Tin	1-794106-0



4.2mm PE Series Housings

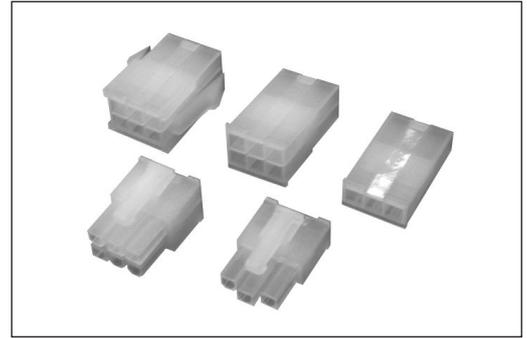
- Easy mate/unmate with positive latch design
- Single row 3 - 5 position panel mount or free hanging plugs & receptacles
- 2 - 24 double row (even only) housings

Specification:

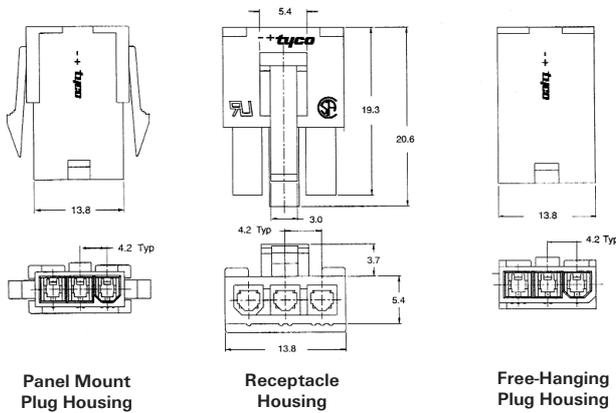
Housing - Nylon, UL94V-2
Contacts - Brass, tin plated
Current Rating - 9A max.
Durability - 50 cycles

Mating Connectors:

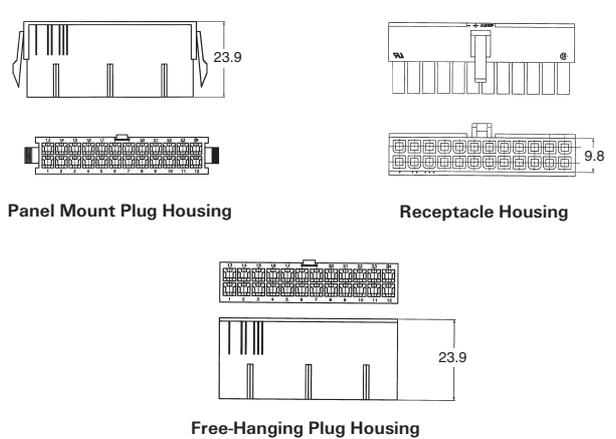
4.2mm PE Headers - Page 59



Single Row



Double Row



No. of Positions	Panel Mount Plug	Part Number Free Hanging Plug	Receptacle Housing
3*	1586101-3	1586103-3	1586105-3
4	1586022-4	1586024-4	1586026-4
5	1586022-5	1586024-5	1586026-5

* 3 position housings are First Mate/Last Break

No. of Positions	Panel Mount Plug	Part Number Free Hanging Plug	Receptacle Housing
2	794953-2	1586000-2	794954-2
4	794953-4	1586000-4	794954-4
6	794953-6	1586000-6	794954-6
8	794953-8	1586000-8	794954-8
10	1-794953-0	1-1586000-0	1-794954-0
12	1-794953-2	1-1586000-2	1-794954-2
16	1-794953-6	1-1586000-6	1-794954-6
20	2-794953-0	2-1586000-0	2-794954-0
24	2-794953-4	2-1586000-4	2-794954-4

Plug housings accept pin contacts and receptacle housings accept socket contacts

Crimp Snap-In Contacts



Wire Range AWG (mm ²)	Packaging	Pin	Part Number	Socket
26 - 22 (0.12 - 0.4)	Tape and reel	794957-1		794958-1
	Loose Piece	1586316-1		1586317-1
22 - 18 (0.4 - 0.9)	Tape and reel	794955-1		794956-1
	Loose Piece	1586314-1		1586315-1

4.2mm PE Series Headers

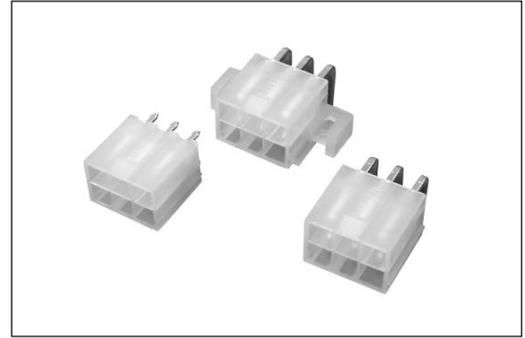
- Vertical or right angle pin headers
- 2 - 24 positions double row (even only)

Specification:

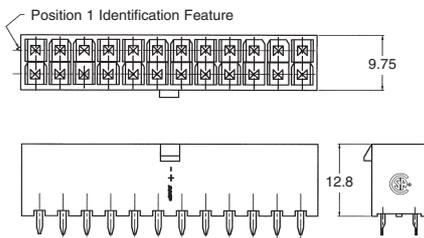
Housing - Nylon, UL94V-2
Contacts - Brass, tin plated

Mating Connectors:

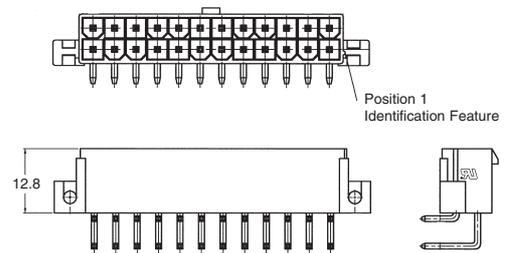
4.2mm PE Receptacle Housings - Page 58



Vertical



Right Angle



No. of Positions	Part Number Vertical w/o pegs
2	1586037-2
4	1586037-4
6	1586037-6
8	1586037-8
10	1-1586037-0
12	1-1586037-2
16	1-1586037-6
20	2-1586037-0
24	2-1586037-4

No. of Positions	Part Number Right-Angle w/o pegs
2	1586041-2
4	1586041-4
6	1586041-6
8	1586041-8
10	1-1586041-0
12	1-1586041-2
16	1-1586041-6
20	2-1586041-0
24	2-1586041-4



Commercial MATE-N-LOK Housings

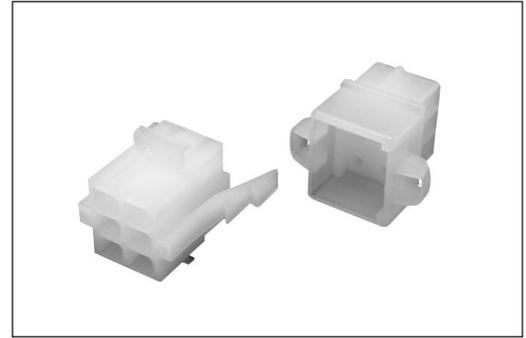
- Free hanging and panel mount styles
- Positive and detent lock options
- Fully polarised
- To be used together with Commercial MATE-N-LOK contacts

Specification:

Housing - Polyamide, natural colour
 UL 94V-2

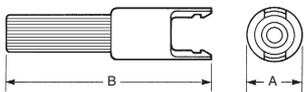
Mating Connectors:

Commercial MATE-N-LOK Headers - Page 63

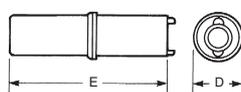


Housings - Free Hanging

1 Circuit

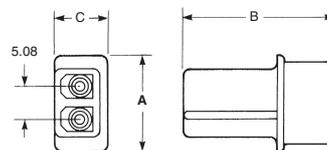


Pin Housing - Detent Lock

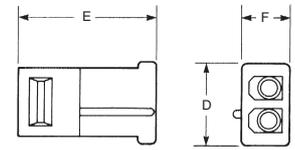


Socket Housing

2, 3 and 4 Circuit, In-Line



Pin Housing



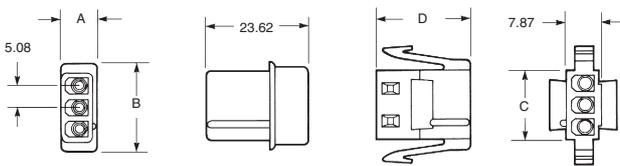
Socket Housing

Number of Circuits	Dimensions						Part Number	
	A	B	C	D	E	F	Pin Housing	Socket Housing
1	7.6	30.5	-	6.6	22.1	-	1-480350-0 ¹	1-480349-0
2	15.5	23.6	8.4	13.5	21.9	7.5	1-480319-0 ^{1,2}	1-480318-0 ²
3	20.6	23.6	8.3	21.0	21.6	7.4	1-480305-0 ^{1,2}	1-480303-0 ²
4	25.7	23.6	8.4	26.2	21.6	7.9	1-480426-0 ^{1,2}	1-480424-0 ²

1. Detent Lock
2. Housing accepts double wire applications where individual insulation diameters do not exceed 2.9mm

Housings for Panel Mount, Positive Lock

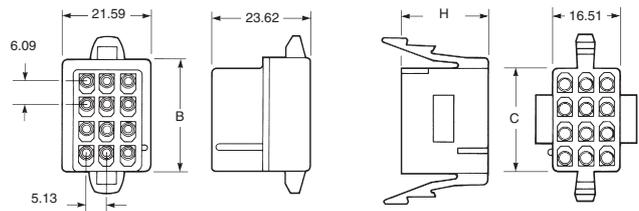
3 and 4 Circuit, In-Line



Pin Housing

Socket Housing

6, 9, 12 and 15 Circuit, Matrix



Pin Housing

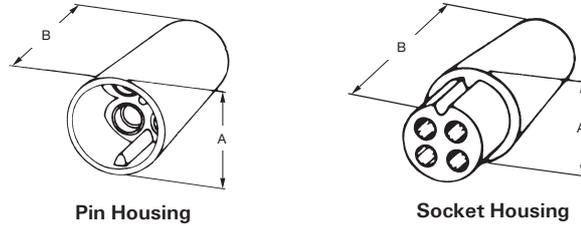
Socket Housing

Number of Circuits	Dimensions				Part Number	
	A	B	C	D	Pin Housing	Socket Housing
3	10.7	26.8	22.6	24.7	1-163037-0	1-163038-0
4	8.4	25.7	21.0	21.6	1-480426-0 ¹	1-480425-0
6	-	16.9	14.1	21.6	1-480276-0 ²	1-480273-0
9	-	23.0	20.2	21.6	1-480277-0 ²	1-480274-0
12	-	29.1	26.5	21.6	1-480278-0 ²	1-480275-0
15	-	35.1	32.5	21.6	1-480324-0 ²	1-480323-0

1. Detent Lock
2. Positive Lock

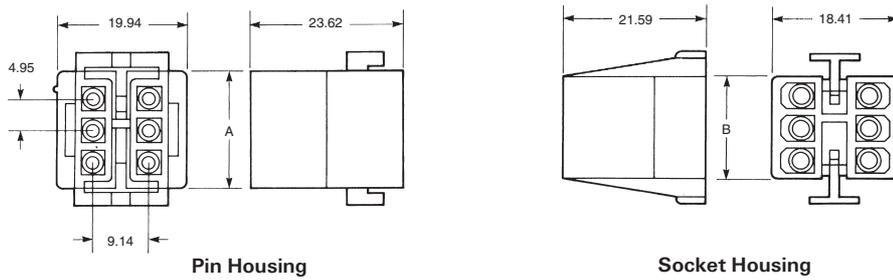
Commercial MATE-N-LOK Housings (continued)

Pin & Socket Housings, Free Hanging



Number of Circuits	Dimensions		Part Number	
	A	B	Pin Housing	Socket Housing
4	14.1	24.9	925075	
	14.1	22.7		925076

Housings, Free Hanging, Positive lock



Number of Circuits	Dimensions		Part Number	
	A	B	Pin Housing	Socket Housing
6	17.91	15.49	1-480340-0	1-480270-0 ¹

1. Housing accepts double wire applications where individual insulation diameters do not exceed 2.92mm

Commercial MATE-N-LOK Contacts

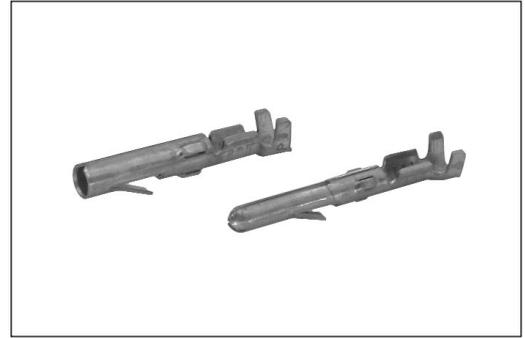
- Contacts accept a wire size range of 30 - 14 AWG
- Insulation diameter up to 3.3mm
- Low insertion / extraction forces
- Tin plated contacts
- To be used together with commercial MATE-N-LOK housings

Specification:

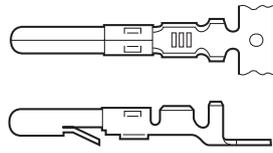
Contacts - Brass, tin plated
Durability - 50 cycles
Current Rating - 19A max.

For use with:

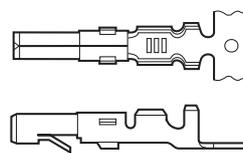
Commercial MATE-N-LOK Housings -
 Pages 60 & 61



Crimp Snap-In Contacts



Pin



Socket

Wire Size Range mm ²	Insulation Diameter mm	Packaging	Part Number	
			Pin	Socket
0.20-0.80	1.52-2.54	Tape and Reel	61116-1	61314-1
		Loose Piece	60618-1	60617-1
0.30-0.75	1.50-2.50	Tape and Reel	163555-6	163554-6
		Loose Piece	163558-2	163557-2
0.50-1.00	1.80-3.30	Tape and Reel	163301-6	163300-6
		Loose Piece	163305-2	163304-2
0.50-2.00	2.54-3.30	Tape and Reel	61118-1	61117-1
		Loose Piece	60620-1	60619-1
1.00-2.50	2.50-3.80	Tape and Reel	163303-6	163302-6
		Loose Piece	163307-2	163306-2

*Find application tooling
see page 157*

www.tooling.tycoelectronics.com/europe

Commercial MATE-N-LOK Headers

- Contacts pre-tin plated
- Standard tail for 1.57mm PCB thickness

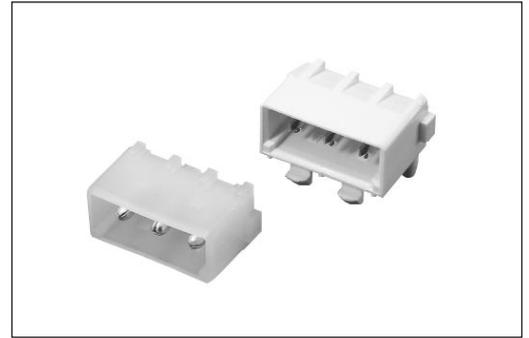
Specification:

Housing - Nylon, natural colour
UL 94V-2

Contacts - Phosphor bronze

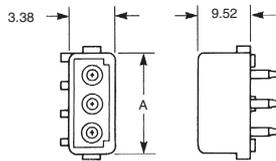
Mating Connectors:

Commercial MATE-N-LOK
Housings Plug & Cap - Pages 60 & 61



PC Board Vertical Pin Headers

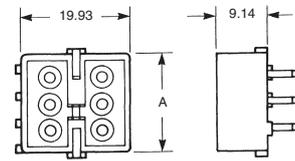
2, 3, and 4 circuit, In-Line



Detent lock

No. of Circuits	Dimension A	Type Lock	Part Number Standard Tail
2	13.09	Detent	350209-1
3	18.17	Detent	350210-1
4	23.24	Detent	350211-1

6 circuit, Dual Row

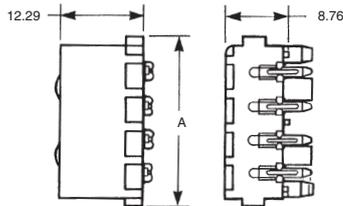


Positive lock

No. of Circuits	Dimension A	Type Lock	Part Number Standard Tail
6	17.91	Positive	1-380999-0

PC Board Right-Angle Pin Headers

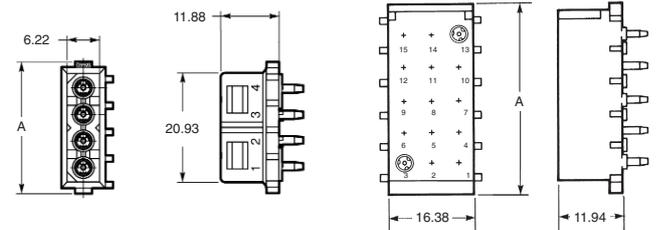
2, 3, and 4 circuit, In-Line



No. of Circuits	Dimension A	Part Number
2	15.24	794120-1
3	20.32	643488-1
4	25.40	641737-1

PC Board Vertical Socket Headers

4 (In-line) and 6 (Matrix) circuit



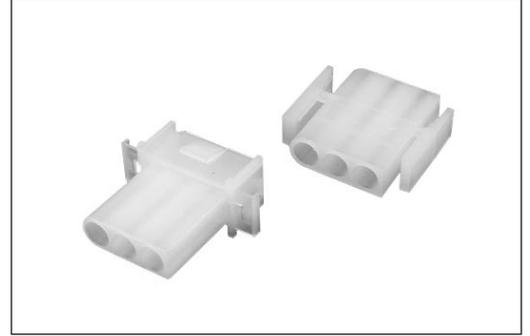
No. of Circuits	Dimension A	Part Number Standard Tail
4	25.40	770997-1
6	18.29	350641-1

.140 MATE-N-LOK Housings

- Fully polarised housings
- Contacts fully protected in housings

Specification:

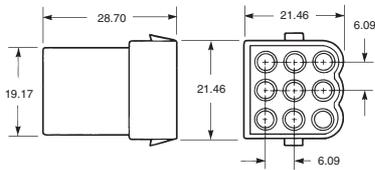
Housing - Nylon, natural colour
UL 94V-2



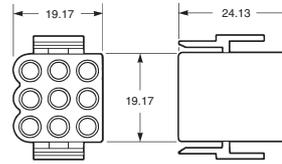
Housings - Free Hanging

9 Circuit, Matrix

Pin Housing (Cap) - Part Number 1-480586-0



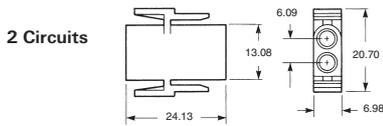
Socket Housing (Plug) - Part Number 1-480585-0



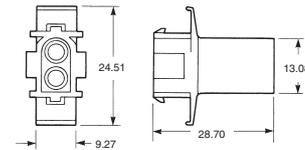
Housings - Panel Mount

2 and 3 Circuit, In-Line

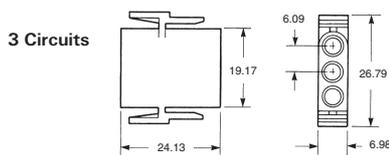
Socket Housing (Plug) - Part Number 1-350344-0



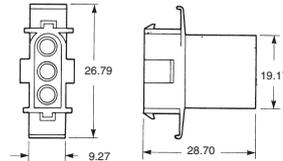
Pin Housing (Cap) - Part Number 1-350345-0



Socket Housing (Plug) - Part Number 1-350346-0

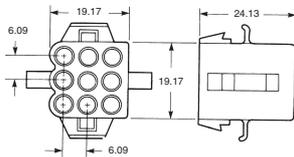


Pin Housing (Cap) - Part Number 1-350347-0

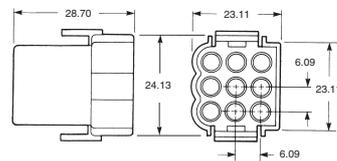


9 Circuit, Matrix

Socket Housing (Plug) - Part Number 1-480672-0

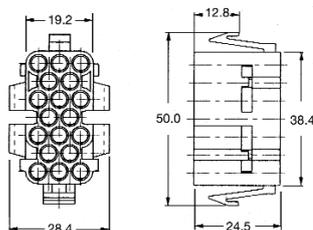


Pin Housing (Cap) - Part Number 1-480673-0

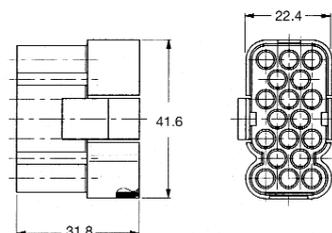


18 Circuit, Matrix

Socket Housing (Plug) - Part Number 925451-1



Pin Housing (Cap) - Part Number 925450-1



.140 MATE-N-LOK Contacts

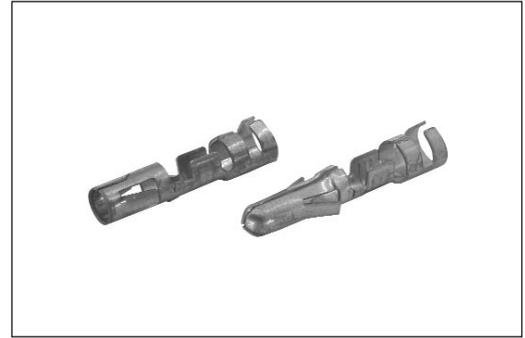
- Contacts accept wire size range 20 - 10 AWG
- Insulation diameters from 2.5 to 4.5mm
- Dual locking lances assure optimum contact stability

Specification:

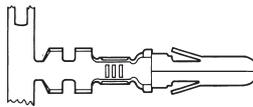
Contacts - Brass or phosphor bronze, tin plated (Pin \varnothing 3.57mm)
Durability - 25 cycles
Current Rating - 28A max.

For use with:

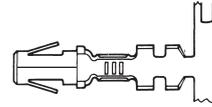
.140mm MATE-N-LOK
 Pin & Socket Housings - Page 64



Crimp Snap-In Contacts



Pin



Socket

Wire Size Range	Insulation Diameter	Material	Packaging	Part Number	
				Pin Contact	Socket Contact
0.50 - 2.10	2.50 - 4.50	Brass	Tape and Reel	925715-1	925714-1
			Loose Piece	925660-1	925661-1
		Phosphor bronze	Tape and Reel	925715-2	925714-2
			Loose Piece	925660-2	925661-2
2.10 - 5.30	2.50 - 4.50	Brass	Tape and Reel	925713-1	925712-1
			Loose Piece	-	925663-1
		Phosphor bronze	Tape and Reel	925713-2	925712-2
			Loose Piece	925662-2	925663-2



Universal MATE-N-LOK Housings

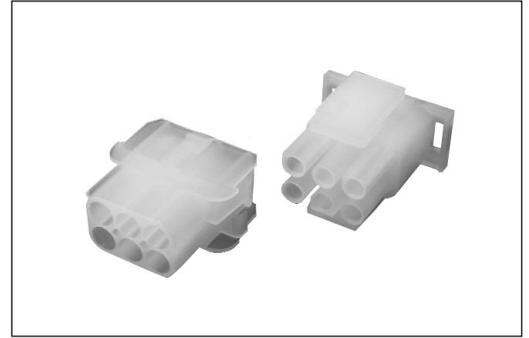
- Free hanging or panel mount
- 6.35mm centreline spacing
- Plug & Cap housings can be loaded either with pin & socket contacts
- Positive locking housings

Specification:

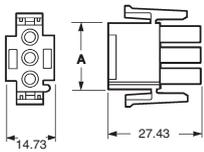
Housing - Polyamide UL94V-2
and UL94V-0

Mating Connectors:

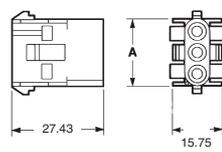
Universal MATE-N-LOK Headers - Page 70



2, 3, 4 and 5 Circuit, In-Line

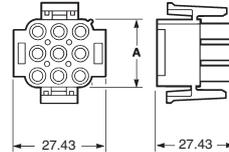


Plug

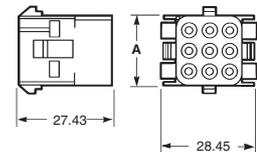


Cap

9, 12 and 15 Circuit, Matrix

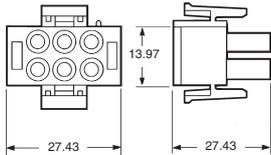


Plug

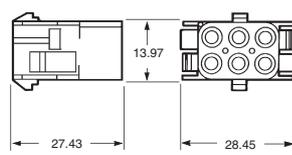


Cap

6 Circuit, Matrix



Plug



Cap

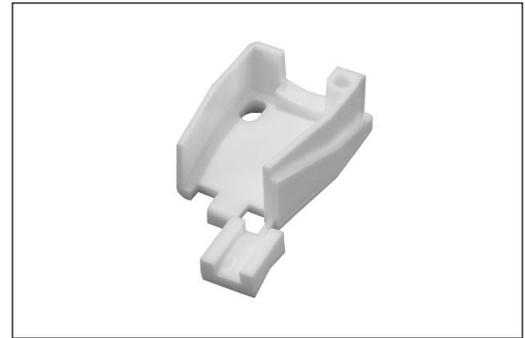
Number of Circuits	Dimension A	UL94V-2 Nylon, Natural Colour		Part Number		
		Plug	Cap	Plug	Plug with Window Latch	Cap
2	13.97	1-480698-0	1-480699-0	350777-1	350777-4	350778-1
3	20.32	1-480700-0	1-480701-0	350766-1	350766-4	350767-1
4	26.67	1-480702-0	1-480703-0	350779-1	350779-4	350780-1
5	33.02	1-480763-0	1-480764-0	350809-1	-	350810-1
6	-	1-480704-0	1-480705-0	350715-1	350715-4	350781-1
9	20.32	1-480706-0	1-480707-0	350720-1	350720-4	350782-1
12	26.67	1-480708-0	1-480709-0	350735-1	350735-4	350783-1
15	33.02	1-480710-0	1-480711-0	350736-1	350736-4	350784-1

**Universal MATE-N-LOK
Strain Reliefs for Plug or Cap Housings**

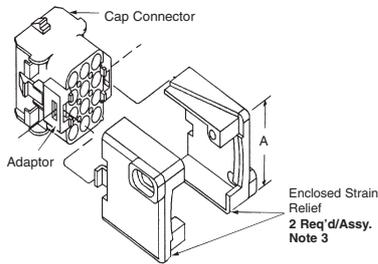
- Plug or Cap housing strain reliefs to proper cable ending

Specification:
Housing - Nylon UL94V-0

For use with:
Universal MATE-N-LOK
Housings Plug & Cap - Page 66



**Plug or Cap housing strain reliefs
2, 3, 4, 5, 6, 9, 12 and 15 Circuit (Enclosed)**



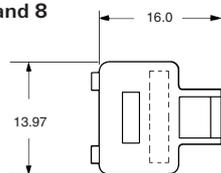
Style	Number of Circuits	Dimension A	Insert Supplied	Single Wire Diameter	Wire Bundle Diameter	Part Number
In-Line	2	24.38	No	-	5.08 - 8.89	640713-2
	3	28.96	Yes	1.02 - 4.83	-	640714-1
	4	33.65	Yes	1.02 - 4.83	-	641776-1
	5	38.86	Yes	1.02 - 4.83	-	643030-1
Matrix	6	26.16	Yes	-	3.05 - 16.51	640715-1
	9	26.16	Yes	-	3.05 - 16.51	640716-1
	12	32.51	Yes	-	3.81 - 19.05	640717-1
	15	38.86	Yes	-	5.08 - 21.59	640718-1

1. Strain relief part number represents one-half of a strain relief. Two strain reliefs required per housing
2. Must use cap housing adapters when attaching strain reliefs to a cap housing. Two adapters required per housing.

**Cap Housing Adapters
(to be used with above PN)**

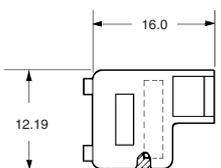
**For all positions except 2, 6 and 8
Circuit Cap Housings**

UL94V-0 Nylon Material -
Part Number 641778-1



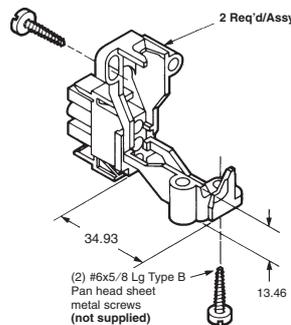
**For 2 In-Line and 6 Matrix
Circuit Cap Housings only**

UL94V-0 Nylon Material -
Part Number 643182-2



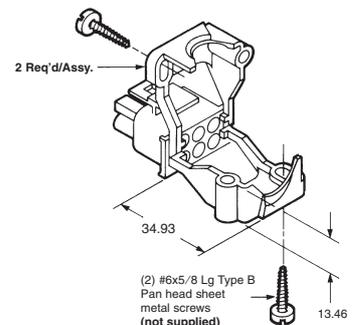
Plug Housing Strain Reliefs

2, 3, 4, 5, 6 and 8 Circuit, In-Line



UL94V-0 Nylon Material -
Part Number 350811-1

6, 9, 12 and 15 Circuit, Matrix



UL94V-0 Nylon Material -
Part Number 350812-1

1. Strain relief part number represents one-half of a strain relief. Two strain reliefs required per housing

Universal MATE-N-LOK Seals for Waterproof Applications

- No design changes to existing Universal MATE-N-LOK product allowing existing applications to be upgraded to splash proof system
- Insulation diameter 2.79 - 3.30mm passed IP 57 and IP 56 for insulation diameter of 1.52 - 2.79mm
- Uses 2 wire seals and one interface seal

Specification:

Material - Silicone rubber

For use with:

Universal MATE-N-LOK
Housings Plug & Cap - Page 66



No. of Circuits	Style	Part Number	
		Interface Seal	Wire Seal
2	In-Line	794269-1	794270-1
3	In-Line	794271-1	794272-1
4	In-Line	794273-1	794274-1
6	Matrix	794275-1	794276-1
9	Matrix	794277-1	794278-1
12	Matrix	794279-1	794280-1
15	Matrix	794281-1	794282-1



Universal MATE-N-LOK Contacts

- Dual locking lances provide contact stability
- Low contact mating force
- Contacts accept 30 - 10 AWG with insulation capacity to 5.1mm diameter
- Pin & Socket contacts can be loaded either in Plug & Cap housings

Specification:

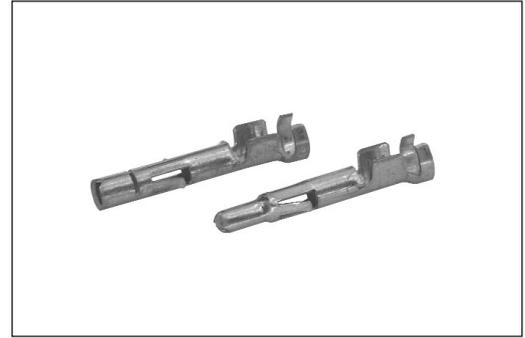
Contacts - Brass or phosphor bronze, tin plated

Durability - 50 cycles

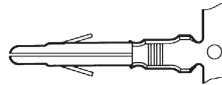
Current Rating - 19A max.

For use with:

Universal MATE-N-LOK Housings - Page 66



Crimp Snap-In Pin Contacts

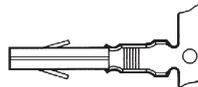


Wire Size Range	Insulation Diameter	Material	Packaging	Part Number	
				Contact	Split Pin
0.20 - 0.80	1.00 - 2.50	Brass	Tape and Reel	926885-1	926886-1
		Phosphor bronze	Loose Piece	926896-1	-
0.50 - 2.10	1.50 - 3.30	Brass	Tape and Reel	926883-1 ¹	926887-1 ²
		Phosphor bronze	Loose Piece	926894-1	-
	3.30 - 5.10	Brass	Tape and Reel	926883-3	926887-3
		Phosphor bronze	Tape and Reel	350538-1	-
1.50 - 2.50	3.30 - 5.10	Brass	Tape and Reel	926868-1	926899-1
		Phosphor bronze	Tape and Reel	926868-3	-
3.00 - 5.00	max 5.1	Phosphor bronze	Tape and Reel	350922-3	-

1. Alternative 350218-1

2. Alternative 350687-1

Crimp Snap-In Socket Contacts



Wire Size Range	Insulation Diameter	Material	Packaging	Part Number
				Contact
0.20 - 0.80	1.00 - 2.50	Brass	Tape and Reel	926884-1
		Phosphor bronze	Loose Piece	926895-1
0.50 - 2.10	1.50 - 3.30	Brass	Tape and Reel	926884-3
		Phosphor bronze	Tape and Reel	926882-1 ¹
	3.30 - 5.10	Brass	Loose Piece	926893-1
		Phosphor bronze	Tape and Reel	926882-3 ²
1.50 - 2.50	3.30 - 5.10	Brass	Loose Piece	926893-3
		Phosphor bronze	Tape and Reel	350537-1
3.00 - 5.00	max 5.1	Brass	Tape and Reel	350537-1
		Phosphor bronze	Tape and Reel	926869-1
3.00 - 5.00	max 5.1	Brass	Tape and Reel	926869-3
		Phosphor bronze	Tape and Reel	926869-3
3.00 - 5.00	max 5.1	Phosphor bronze	Tape and Reel	350923-3

1. Alternative 350536-1

2. Alternative 350536-3

Universal MATE-N-LOK Headers

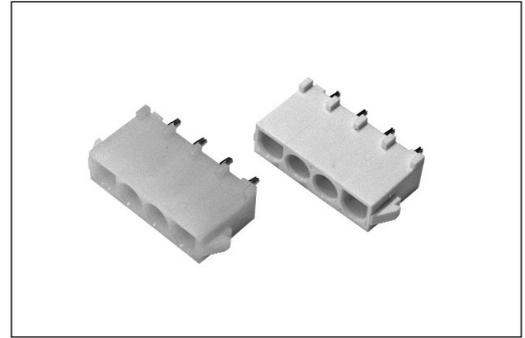
- Pin & Socket headers available in vertical and right-angle style
- Solder tail diameter 1.57mm
- To be used in 1.57mm PCB thickness

Specification:

Housing - Nylon
Contacts - Phosphor bronze, tin plated

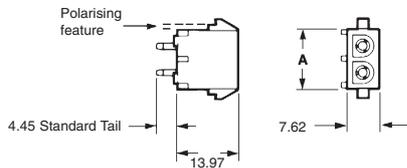
Mating Connectors:

Universal MATE-N-LOK
Housings Plug & Cap - Page 66



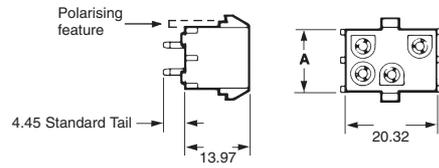
PC Board Vertical Pin Headers

2, 3, 4 and 5 Circuit, In-line



No. of Circuits	Dimension A	Flammability Rating	Part Number
2	13.97	UL94V-2	350428-1
		UL94V-0	350786-1
3	20.32	UL94V-2	350429-1
		UL94V-0	350789-1
4	26.67	UL94V-2	350430-1
		UL94V-0	350792-1
5	33.02	UL94V-2	640466-1
		UL94V-0	640900-1

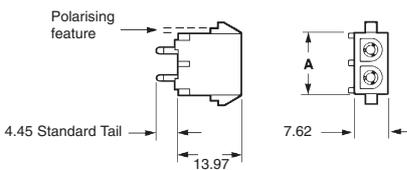
6, 9, 12 and 15 Circuit, Matrix



No. of Circuits	Dimension A	Flammability Rating	Part Number
6	13.97	UL94V-2	350431-1
		UL94V-0	350711-1
9	20.32	UL94V-2	350432-1
		UL94V-0	350712-1
12	26.67	UL94V-2	350433-1
		UL94V-0	350713-1
15	33.02	UL94V-2	350434-1
		UL94V-0	350714-1

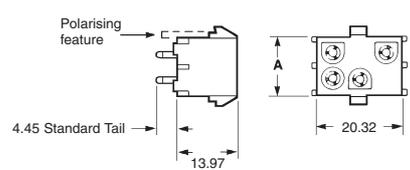
PC Board Vertical Socket Headers

2, 3, 4 and 5 Circuit, In-line



No. of Circuits	Dimension A	Flammability Rating	Part Number
2	14.00	UL94V-0	826846-3
3	20.32	UL94V-0	350825-1
4	26.70	UL94V-0	826848-3
5	33.02	UL94V-0	640901-1

6, 9, 12 and 15 Circuit, Matrix

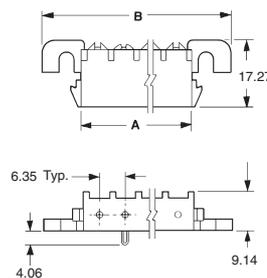


No. of Circuits	Dimension A	Flammability Rating	Part Number Standard Tail
6	13.97	UL94V-0	350827-1
9	20.32	UL94V-0	350828-1
12	26.67	UL94V-0	350829-1
15	33.02	UL94V-0	350830-1

PC Board Right-Angle Pin Headers

2, 3, 4 and 5 Circuit, In-line

No. of Circuits	Dimension A	Dimension B	Flammability Rating	Part Number
2	13.97	31.62	UL94V-0	1-350942-0
3	20.32	37.97	UL94V-0	1-350943-0
4	26.67	44.32	UL94V-0	1-350944-0
5	33.02	50.67	UL94V-0	1-350945-0

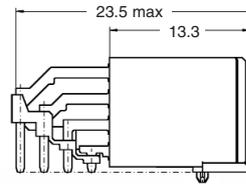
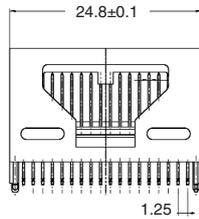
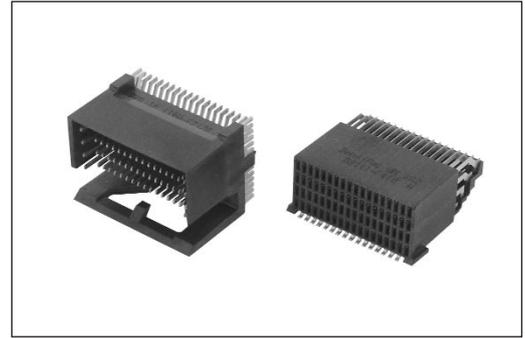


Densipac Connectors

- Surface mount daughter card to backplane connector
- Reduces manufacturing cost when used with other SMT components
- UL94V-0

Specification:

- Housing** - LCP high temperature
Contacts - Gold over nickel
Current Rating - 0.5 A



Connector Style	Connector Description	Termination Style	Part Number
Male	Backplane Connector 2 row (2 x 18 Contacts)	Surface Mount	9-1393754-7
Male	Backplane Connector 4 row (4 x 18 Contacts)	Surface Mount	9-1393754-9
Female	Daughter Card Connector 2 row (2 x 18 Contacts)	Surface Mount	9-1393754-2
Female	Daughter Card Connector 4 row (4 x 18 Contacts)	Surface Mount	9-1393754-3
Male	Backplane Connector 4 row (4 x 18 Contacts)	Press Fit	1393755-2

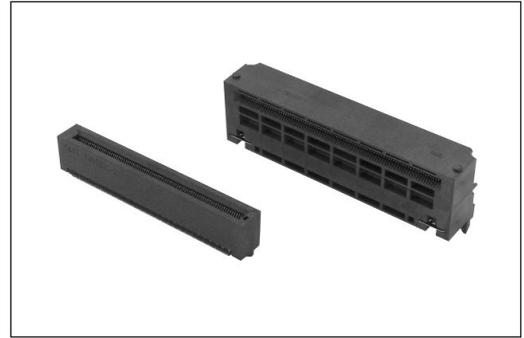


Advanced Mezzanine Card (AMC) Connector (xTCA)

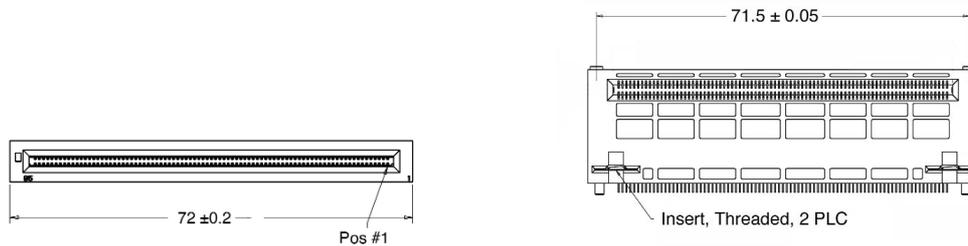
- Designed to meet PICMG specification
- Precision formed compliant pin
- Suitable for assembly using flat-rock tooling

Specification:

Housing - LCP
Contacts - 0.76µm gold over nickel
Solder Tail - Matt tin over nickel



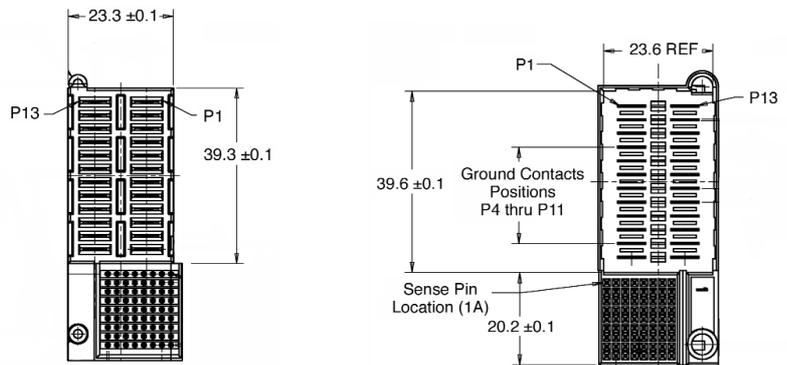
Advanced Mezzanine Card (AMC) Connectors



xTCA Specification	Application	Mounting Style	Part Number
µTCA	AMC Backplane Connector - Vertical mount	Press Fit	1469820-2
ATCA	AMC Connector for ATCA Carrier Cards - Right Angle	Press Fit	1-1367703-2
ATCA	AMC Connector for ATCA Carrier Cards with additional mounting posts - Right Angle	Press Fit	3-1367703-2

Power Connections

- 24 power contacts capable of carrying 14A
- Industry proven Universal Power Module contacts
- Hot plug contact design



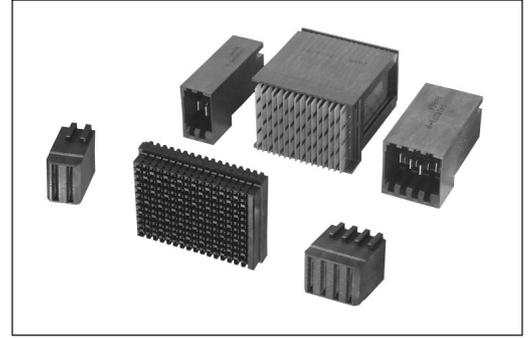
xTCA Specification	Application	Mounting Style	Part Number
µTCA	Minipak Power/Signal Backplane Connector - Vertical	Press Fit	1469920-1
µTCA	Minipak Power/Signal Daughter Card Connector - Right Angle	Solder / Press Fit	1469921-1
µTCA	Minipak Power/Signal Daughter Card Connector - Right Angle	Press Fit	1469922-1

Multigig Vita 41/46

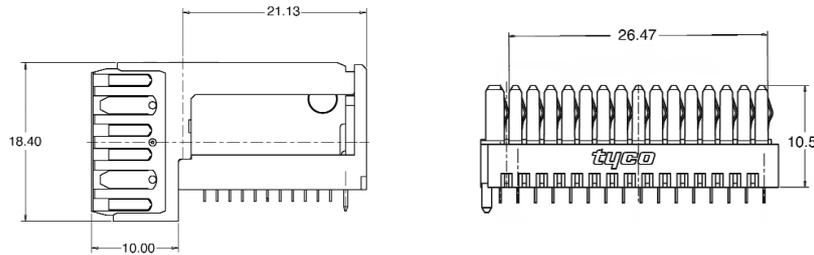
- For use with Vita 41/46 applications
- Rated up to 3.125Gbps
- Robust design
- Modular options for signal, power, keying and guidance

Specification:

Housing - Black LCP
Contacts - Gold over nickel



Multigig



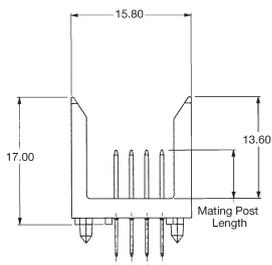
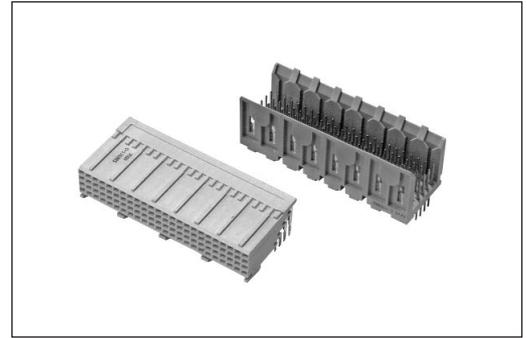
Product Style	Connector Style	Connector Position	Mounting Style	Part Number
Vita 41	Backplane Connector	Centre Module	Vertical Mount - Press Fit	1410135-1
Vita 41	Backplane Connector	Left End Module	Vertical Mount - Press Fit	1410141-1
Vita 41	Backplane Full Stand Alone Connector	-	Vertical Mount - Press Fit	1410420-1
Vita 41/46	Backplane Connector	Centre Module	Vertical Mount - Press Fit	1410140-1
Vita 41/46	Backplane Connector	Right Hand Module	Vertical Mount - Press Fit	1410142-1
Vita 46	Backplane Connector	Left End Half Module	Vertical Mount - Press Fit	1410186-1
Vita 41	Daughter Card Connector	Centre Module	Right Angle - Press Fit	1410137-1
Vita 41	Daughter Card Connector	Centre Module	Right Angle - Press Fit	1410147-1
Vita 41	Daughter Card Connector	Left End Module	Right Angle - Press Fit	1410138-1
Vita 41	Daughter Card Connector	Right End Module	Right Angle - Press Fit	1410139-1
Vita 41	Daughter Card Full Stand Alone Connector	-	Right Angle - Press Fit	1410421-1
Vita 46	Daughter Card Connector	Centre Module (Differential)	Right Angle - Press Fit	1410187-3
Vita 46	Daughter Card Connector	Centre Module (Single Ended)	Right Angle - Press Fit	1410190-3
Vita 46	Daughter Card Connector	Left End Half Module	Right Angle - Press Fit	1410189-3

Z-PACK 2mm FB (Futurebus+) Connectors

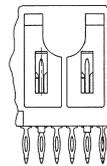
- High density connections: four-row and five-row, 2mm x 2mm circuit grid
- Module assemblies are end-to-end stackable
- UL & CSA Approved

Specification:

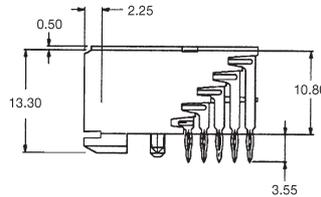
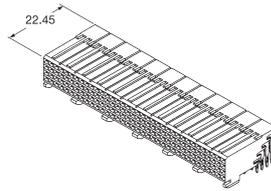
- Housing** - High temperature LCP
Contacts - 0.76µm gold



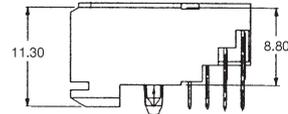
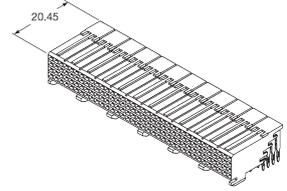
Solder Leads



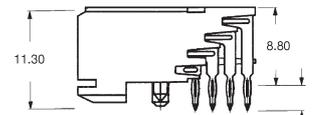
Compliant Press-Fit Leads



Compliant Press-Fit Leads



Solder Leads



Compliant Press-Fit Leads

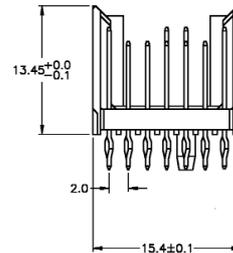
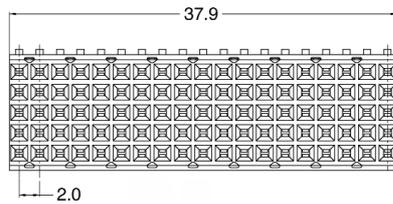
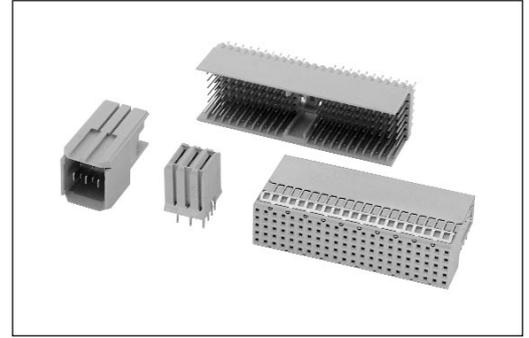
Connector Style	No. of Signal Rows	No. of Contacts	Mounting Style	Termination Style	Part Number
Male	4	48	Vertical	Solder	5536501-2
Male	4	96	Vertical	Solder	5536501-3
Male	4	24	Vertical	Press-Fit	5536514-1
Male	4	48	Vertical	Press-Fit	5536504-2
Male	4	96	Vertical	Press-Fit	5536504-3
Male	4	192	Vertical	Press-Fit	5536504-4
Female	4	24	Right Angle	Solder	5536507-1
Female	4	48	Right Angle	Solder	5536507-2
Female	4	96	Right Angle	Solder	5536507-3
Female	4	192	Right Angle	Solder	5536507-4
Female	4	24	Right Angle	Press-Fit	5536511-1
Female	4	48	Right Angle	Press-Fit	5536511-2
Female	4	96	Right Angle	Press-Fit	5536511-3
Female	4	192	Right Angle	Press-Fit	5536511-4
Male	5	30	Vertical	Press-Fit	5223016-1
Male	5	60	Vertical	Press-Fit	5223016-2
Male	5	120	Vertical	Press-Fit	5223016-4
Female	5	30	Vertical	Press-Fit	5223008-1
Female	5	60	Vertical	Press-Fit	5223008-2
Female	5	120	Vertical	Press-Fit	5223008-4

2mm Compact PCI

- 2mm pitch provides 220 signal pins in a 3U format
- Enhanced grounding lowers the effective signal to ground ratio
- Built in keying & guidance mechanisms
- Supports Hot Swap

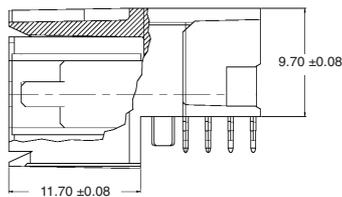
Specifications

Housing - Glass filled polyester
Contacts - 0.80µm gold over nickel
Transmission - >2.50 Gb/s
Speed



Connector Type	Compact PCI Designation	Application	No. of Signal Contacts	Orientation	Mounting Style	Part Number
A	J1/J4	Daughtercard	110	Right Angle	Press Fit	5352068-1
B	J2/J5	Daughtercard	110	Right Angle	Press-Fit	5352152-1
B	J3	Daughtercard	95	Right Angle	Press-Fit	5352171-1
AB	RJ3	Rear Transition Card	95	Right Angle	Press-Fit	5646488-1
AB	RJ5	Rear Transition Card	110	Right Angle	Press-Fit	5646489-1
A	P1/P4	Backplane	110	Vertical	Press-Fit	5188834-1
A	P1	Backplane	110	Vertical	Press-Fit	5352332-1
B	P2/P5	Backplane	110	Vertical	Press-Fit	5188835-1
B	P3	Backplane	95	Vertical	Press-Fit	5352033-1

Universal Power Module



Application	Contact Loading	Orientation	Mounting Style	Part Number
Receptacle	ABC Loaded	Vertical	Press Fit	5223955-2
Header	ABC Loaded	Right Angle	Press Fit	5223961-1



ATCA / Advanced TCA Connectors

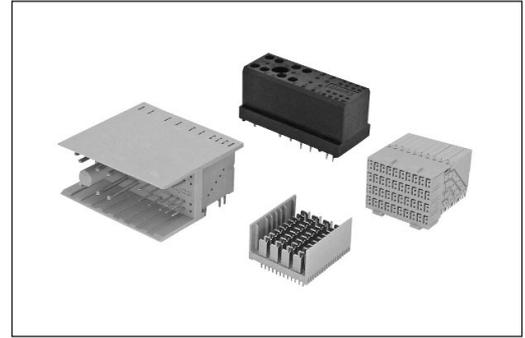
- Designed specifically for high speed differential applications
- Designed to PICMG 3.0 Standards
- Additional PCB retention hardware not required

Specification: Signal Connector

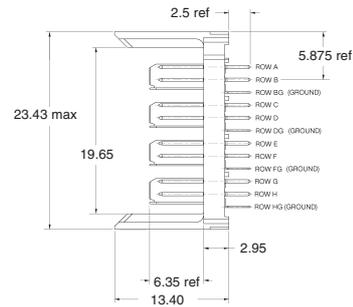
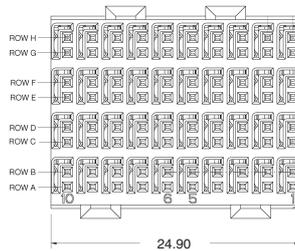
Housing - Glass filled polyester
Contacts - 0.76µm gold over nickel
Transmission Speed - 3.125Gb/s

Specification: Power Connector

Housing - Glass filled thermoplastic
Current Rating - Signal 1A, Power 16A
Durability - 250 mating cycles

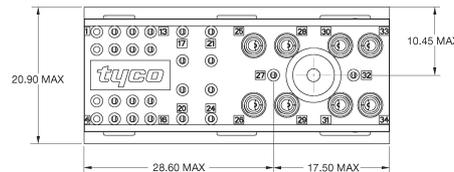
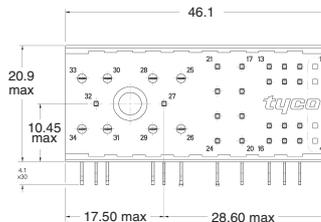


Signal Connectors



Product Description	Mounting Style	No. of Positions	Part Number
Zone 2 HMZd - ATCA Backplane Connector - Vertical	Press-Fit	80	6469002-1
Zone 2 HMZd - ATCA Daughter Card Connector - Right Angle	Press-Fit	80	6469001-1
HMZd - 2 Pair Backplane Connector - Vertical	Press-Fit	40	6469025-1
HMZd - 2 Pair Daughter Card Connector - Right Angle	Press-Fit	40	6469028-1

Power Connectors



Product Description	Mounting Style	Part Number
Zone 1 Backplane Power Connector - Vertical	Press-Fit	1766501-1
Zone 1 Daughter Card Connector - Right Angle	Press-Fit	1766500-1

Mounting Hardware

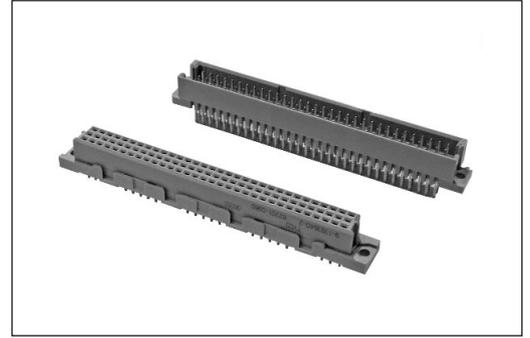
Product Description	Part Number
Right Angle Male - Keyed	1-1469372-1
Right Angle Female - Keyed	1-1469373-1

DIN 41612 - Eurocard Connectors

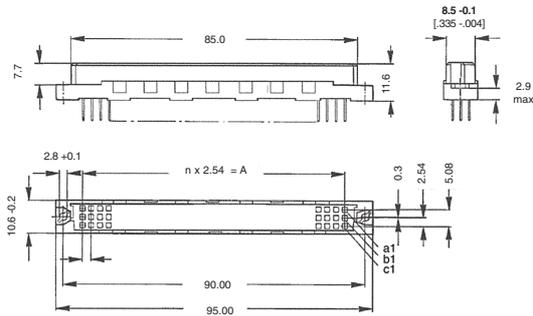
- Industry standard 2 piece backplane connector
- DIN level II

Specification:

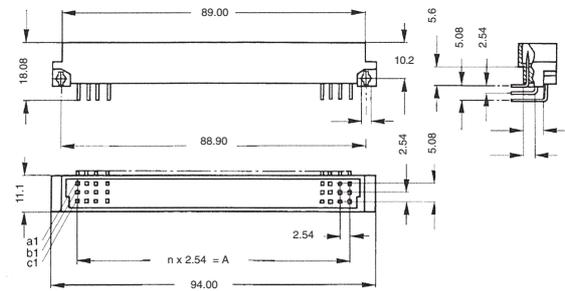
- Current** - 1A
Durability - 200 mating cycles



Female Connectors



Male Connectors



Series	Connector Type	Mounting Style	No. of Positions	Loaded Rows	Termination Style	Part Number
Type C	Male	Right Angle	64	A + C	Solder	9-1393644-4
Type C	Male	Right Angle	96	A + B + C	Solder	9-1393644-1
Type C	Female	Straight	64	A + C	Solder	9-1393640-3
Type C	Female	Straight	96	A + B + C	Solder	9-1393640-2
Type C	Female	Straight	64	A + C	Press-Fit	4-1393637-9
Type C	Female	Straight	96	A + B + C	Press-Fit	4-1393637-6
Type R	Female	Right Angle	96	A + B + C	Solder	3-1393656-4
Type R	Male	Straight	96	A + B + C	Solder	2-1393659-8
Type R	Male	Straight	96	A + B + C	Press-Fit	650889-5

Flat Ribbon Cable for IDC Termination

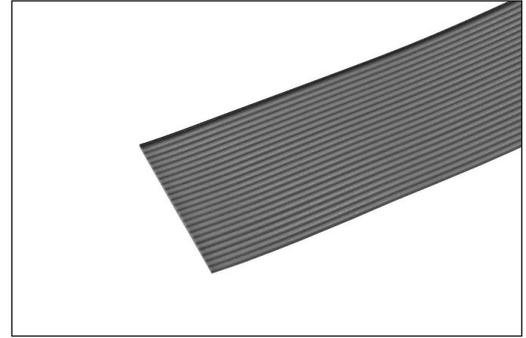
- High quality cable with identification stripe
- Convenient reel lengths
- UL & CSA approved

Specification:

Insulation - PVC, grey
Construction - 28 AWG (7/36) stranded
Pitch - 1.27mm

For use with:

AMP-Latch Connectors - Page 36
 Amplimite HDF Connectors - Page 83
 Micro-Match Connectors - Pages 34 & 35



971111 Series for AMP-Latch and Amplimite HDF Connectors

No. of Ways	Reel Length	Part Numbers
9	152m	1-971111-2
10	152m	1-971111-3
14	152m	1-971111-4
15	152m	1-971111-5
16	152m	1-971111-6
20	152m	971111-1
25	152m	971111-2
26	152m	971111-3
34	152m	971111-4
37	152m	1-971111-8
40	152m	971111-5
50	152m	971111-6

162400 Series for Micro-Match Connectors

No. of Ways	Reel Length	Part Numbers
4	30m	162400-4
6	30m	162400-6
8	30m	162400-8
10	30m	1-162400-0
12	30m	1-162400-2
14	30m	1-162400-4
16	30m	1-162400-6
18	30m	1-162400-8
20	30m	2-162400-0



**Amplimite TDE Series Connectors
PCB Mount Vertical - Commercial**

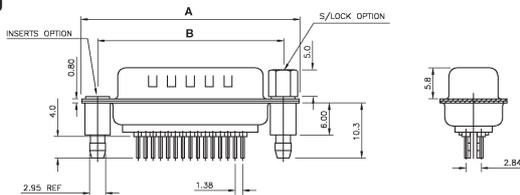
- Low cost
- Complete with PCB boardlocks
- Gold plated contacts
- UL approved

Specification:

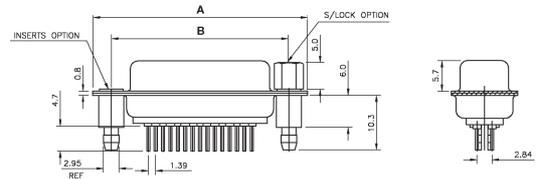
- Shell** - Steel, tin plated
Insert - Thermoplastic, black
 UL 94V-0
Contacts - Phosphor bronze
 0.38µm gold plated
Current Rating - 3A



Plug



Socket



No. of Positions	Dimensions		Part Number	
	A	B	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	24.99	1-1634218-2	3-1634218-2
15	39.20	33.32	1-1634219-2	3-1634219-2
25	53.10	47.08	1-1634220-2	3-1634220-2
37	69.40	63.51	1-1634221-2	3-1634221-2

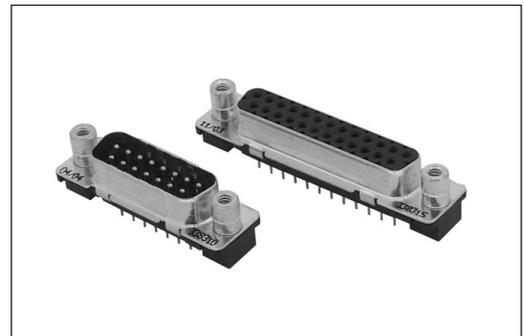
No. of Positions	Dimensions		Part Number	
	A	B	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	24.99	1-1634222-2	3-1634222-2
15	39.20	33.32	1-1634223-2	3-1634223-2
25	53.10	47.08	1-1634224-2	3-1634224-2
37	69.40	63.51	1-1634225-2	3-1634225-2

**Amplimite Connectors
PCB Mount Vertical - Industrial**

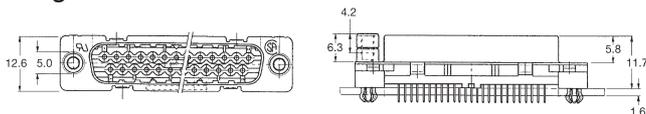
- Industry standard design
- Intermateable with industry standard products
- Complete with PCB boardlocks

Specification:

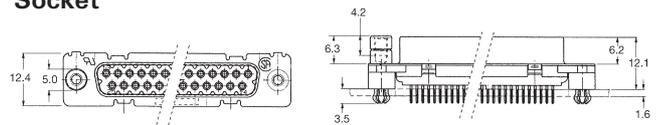
- Housing** - Glass filled polyester
 black, UL 94V-0
Shell - Steel, tin plated
Contacts - Phosphor bronze
 0.80µm gold plated
Current Rating - 6A



Plug



Socket



No. of Positions	Part Number	
	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	1-338309-2	3-338309-2
15	1-338310-2	3-338310-2
25	1-338311-2	3-338311-2
37	1-338312-2	3-338312-2

No. of Positions	Part Number	
	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	1-338313-2	3-338313-2
15	1-338314-2	3-338314-2
25	1-338315-2	3-338315-2
37	1-338316-2	3-338316-2

**Amplimite TDE Series Connectors PCB Mount Right Angle
European Standard Footprint - Commercial**

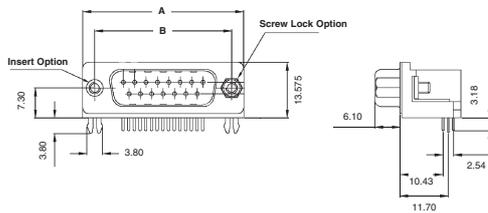
- Low cost
- Complete with PCB boardlocks
- Footprint to DIN41652 variant 2
- Gold plated contacts
- UL approved

Specification:

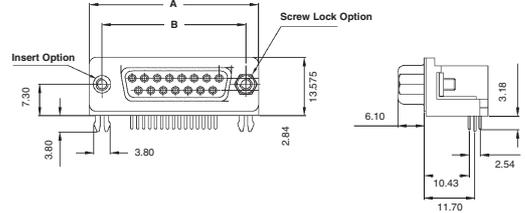
Shell - Steel, tin plated
Insert - Thermoplastic, black
 UL 94V-0
Contacts - Phosphor bronze
 0.38µm gold plated
Current Rating - 5A



Plug



Socket



No. of Positions	Dimensions		Part Number	
	A	B	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	24.99	1-1634580-2	3-1634580-2
15	39.20	33.30	1-1634581-2	3-1634581-2
25	53.10	47.04	1-1634582-2	3-1634582-2
37	69.50	63.50	1-1634583-2	3-1634583-2

No. of Positions	Dimensions		Part Number	
	A	B	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	24.99	1-1634584-2	3-1634584-2
15	39.30	33.30	1-1634585-2	3-1634585-2
25	53.10	47.04	1-1634586-2	3-1634586-2
37	69.50	63.50	1-1634587-2	3-1634587-2

**Amplimite Connectors PCB Mount Right Angle
US Footprint 8.08mm - Industrial**

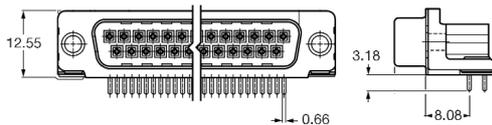
- Board mount Plug & Socket
- US footprint

Specification:

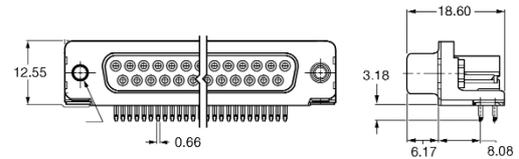
Housing - Glass filled polyester
 black, UL 94V-0
Shell - Steel, tin plated
Contacts - Phosphor bronze
 0.76µm gold plated
Current Rating - 6A



Plug



Socket



No. of Positions	Part Number	
	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	5747840-4	5747840-6
15	5747841-4	5747841-6
25	5747842-4	5747842-6
37	5747843-4	5747843-6

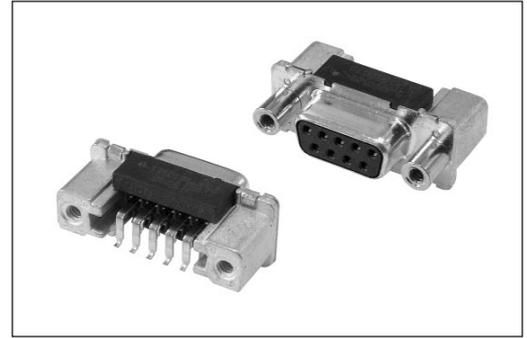
No. of Positions	Part Number	
	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	5747844-4	5747844-6
15	5747845-4	5747845-6
25	5747846-4	5747846-6
37	5747847-4	5747847-6

Amplimite Connectors PCB Mount Right Angle Advanced Design Surface Mount

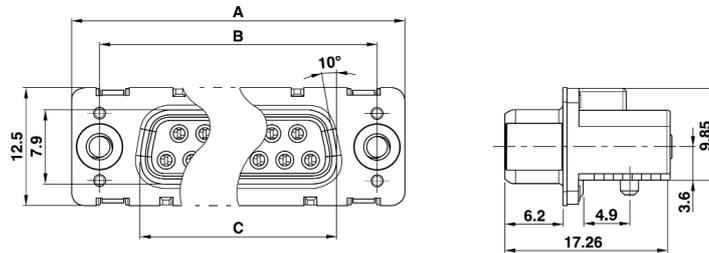
- Controlled centre of gravity ensures stability during and after placement
- Fully pick and place capable without force using standard vacuum methods
- Large mounting brackets provide grounding and exceptional mechanical retention
- Low 3.6mm mounting height saves valuable space between circuit boards

Specification:

- Shell** - Steel, tin plated
Housing - PCT-GV, UL 94V-0
Contacts - CuMg 0.80µm gold plated
Current Rating - 4.5A max

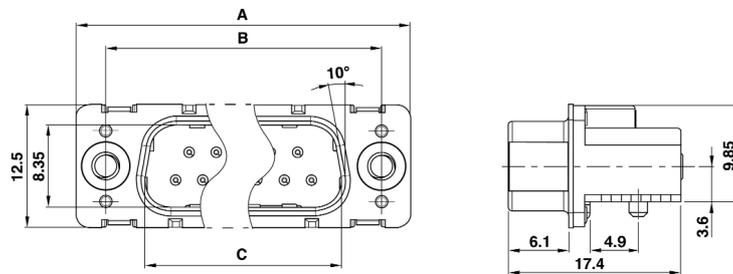


Plug



No. of Positions	A	Dimension		Part Number	
		B	C	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	25.00	16.33	1-1740195-2	3-1740195-2
15	39.20	33.32	24.66	1-1740197-2	3-1740197-2
25	53.05	47.05	38.37	1-1740199-2	3-1740199-2
37	69.40	63.50	54.83	1-1740201-2	3-1740201-2

Socket



No. of Positions	A	Dimension		Part Numbers	
		B	C	With 4-40 Threaded Inserts	With 4-40 Female Screwlocks
9	30.80	25.00	16.92	1-1740194-2	3-1740194-2
15	39.20	33.32	25.25	1-1740196-2	3-1740196-2
25	53.05	47.05	38.96	1-1740198-2	3-1740198-2
37	69.40	63.50	55.42	1-1740200-2	3-1740200-2

Amplimite Connectors Cable Mount Crimp Termination

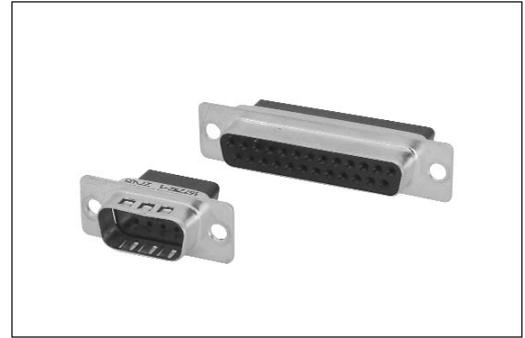
- Uses crimp contact technology
- Allows selective loading of contacts
- Fully intermateable with industry standard products

Specification:

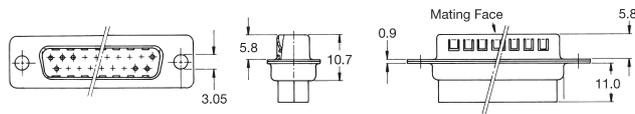
Housing - Glass filled thermoplastic
black, UL94V-0

Front Shell - Steel, tin plated

Current Rating - 3.7A

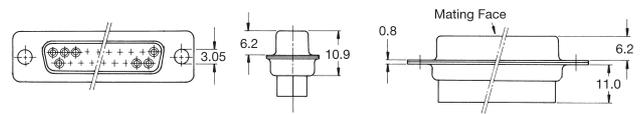


Pin Connector Housing



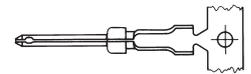
No. of Positions	Part Number
9	167292-1
15	167293-1
25	167294-1
37	167295-1

Socket Connector Housing



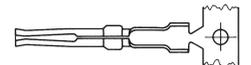
No. of Positions	Part Number
9	164531-4
15	164532-4
25	164533-4
37	164534-4

Crimp Snap-In Plug Contacts



Wire Size AWG	Reel of 12500 Contacts	Part Number Reel of 500 Contacts	Bag of 100 Loose Contacts
20 - 24	166053-1	5-166053-1	166293-1
24 - 28	166054-1	5-166054-1	166294-1

Crimp Snap-In Socket Contacts



Wire Size AWG	Reel of 12500 Contacts	Part Number Reel of 500 Contacts	Bag of 100 Loose Contacts
20 - 24	166051-1	5-166051-1	166291-1
24 - 28	166052-1	5-166052-1	166292-1



Amplimite Connectors Cable Mount Solder Termination

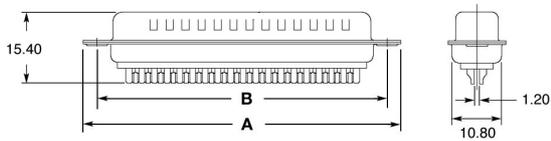
- Anti solder wicking contact design
- Gold plated contacts

Specification:

- Shell** - Steel, tin plated
Insert - Thermoplastic, black
 UL 94V-0
Contacts - Phosphor bronze
Current Rating - 3A max.

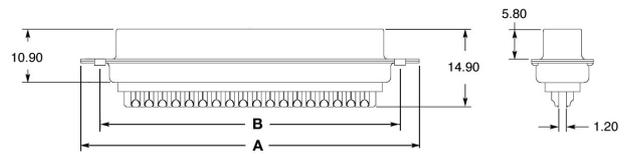


Plug



No. of Positions	Dimensions		Part Number
	A	B	
9	30.80	24.99	5-747904-2
15	39.20	33.32	5-747908-2
25	53.01	47.04	5-747912-2
37	69.40	63.50	5-747916-2

Socket



No. of Positions	Dimensions		Part Number
	A	B	
9	30.80	24.99	5-747905-2
15	39.20	33.32	5-747909-2
25	53.01	47.04	5-747913-2
37	69.40	63.50	5-747917-2

**Amplimite HDF Connectors
Cable Mount Ribbon Cable Termination**

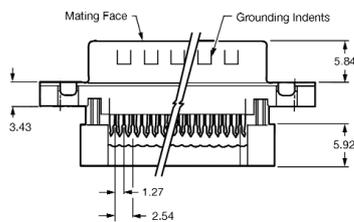
- Uses standard 1.27mm pitch ribbon cable
- Cover pre-assembled for ease of use

Specification:

- Housing** - Glass filled polyester
 black, UL 94V-0
Shell - Steel, tin plated
Contacts - Phosphor bronze
Current Rating - 6A

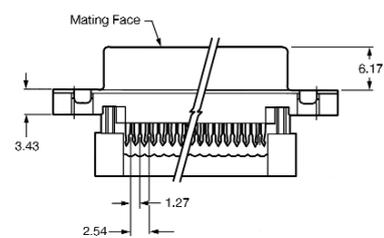


Metal Plug



No. of Positions	Part Number
9	1658613-4
15	1658613-3
25	1658613-2
37	1658613-1

Metal Socket



No. of Positions	Part Number
9	1658612-4
15	1658612-3
25	1658612-2
37	1658612-1

Amplimite Stacked Connectors / VGA

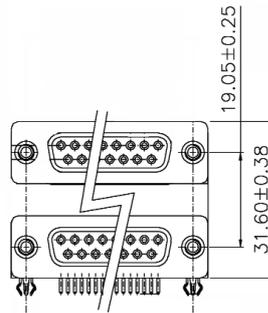
- Industry standard design
- Intermateable with industry standard products

Specification:

Housing - Glass filled polyester, UL 94V-0
Shell - Steel, tin plated
Contacts - Phosphor bronze, gold plated
Current Rating - 3A

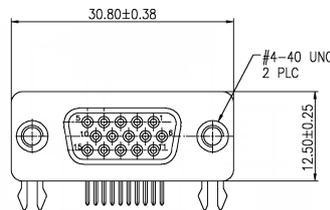


Stacked D-Subminiature



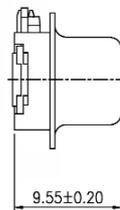
Number of Positions	Configuration	Termination Style	Mounting Style	Part Number
9 over 9	Receptacle over Receptacle	Threaded Inserts	Through Hole	1734285-3
15 over 15	Receptacle over Receptacle	Threaded Inserts	Through Hole	1-1734285-3
25 over 25	Receptacle over Receptacle	Threaded Inserts	Through Hole	2-1734285-3
37 over 37	Receptacle over Receptacle	Threaded Inserts	Through Hole	3-1734285-3

High Density - VGA



Number of Positions	Configuration	Termination Style	Mounting Style	Part Number
15	Receptacle 15 pos in 9 pos shell	4-40 UNC Screw Locks	Through Hole	1734530-2

High Density - VGA - Slimline Version



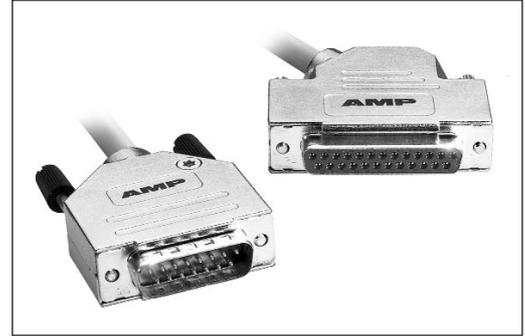
Number of Positions	Configuration	Termination Style	Mounting Style	Part Number
15	Receptacle 15 pos in 9 pos shell	4-40 UNC Screw Locks	Through Hole	1734186-1

**Amplimite ADK Series
Single Entry Die-Cast Backshell**

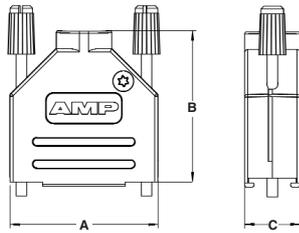
- Straight or 45° cable entry
- Complete with jackscrews
- Excellent EMI/RFI shielding
- Supplied cable grommets suitable for 4 to 13mm cable diameters

Specification:

Shell - Zinc die-cast, nickel plated
Cable - Steel fibre reinforced
grommets polycarbonate UL94V-0

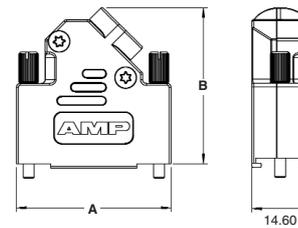


Straight Entry



No. of Positions	Dimensions			Part Number
	A	B	C	
9	31.00	38.30	14.60	1478762-9
15	39.50	40.50	14.60	1-1478762-5
25	53.20	47.30	14.60	2-1478762-5
37	70.90	52.20	15.00	3-1478762-7

45° Entry



No. of Positions	Dimensions		Part Number
	A	B	
9	31.00	36.20	1478763-9
15	39.50	40.20	1-1478763-5
25	53.20	40.20	2-1478763-5
37	69.70	40.20	3-1478763-7

Amplimite Dual Entry Die-Cast Backshell

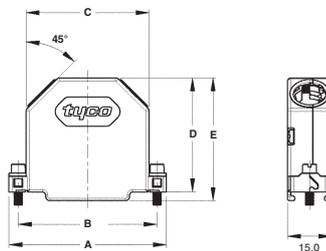
- Ideal for daisy chain connection
- Complete with jackscrews
- Excellent EMI/RFI shielding
- Simple screw clamp for cable fixing
- Includes blanking plate for end of cable run

Specification:

Shell - GD - Zn
Cable Clamp - Steel, zinc plated



Straight Entry



No. of Positions	Dimensions					Part Number
	A	B	C	D	E	
9*	31.1	25.0	27.0	35.0	38.0	1534805-1
15	39.5	33.3	33.0	39.0	42.0	1534807-1
25	53.3	47.0	41.7	39.0	42.0	1534809-1
37	69.8	63.5	58.2	39.0	42.0	1534811-1

Recommended cable diameter: 4.8mm - 11mm (*4.8mm - 9mm)

Amplimite .050 Series Headers / SCSI

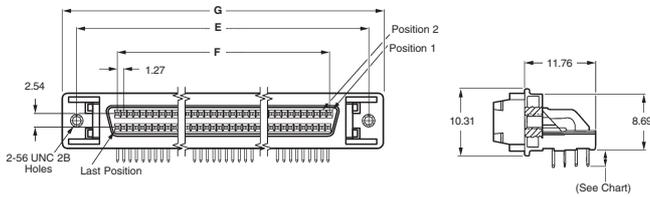
- Compatible with SCSI-2 + SCSI-3 standards
- 26 through 100 positions
- Vertical and right angle headers

Specification:

- Housing** - Thermoplastic, UL 94V-0, black
Shell - Steel, nickel plated
Bracket - Zinc, nickel plated
Contacts - Phosphor bronze, 0.76µm gold plated

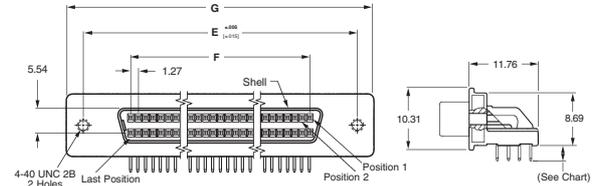


Right Angle Receptacle Headers - Through Hole With Rails and Latches + Board Locks



No. of Positions	Dimension D	Dimension K	Part Number
26	15.62	27.05	1761028-1
40	20.07	35.94	1761028-2
50	23.24	42.29	1761028-3
68	28.96	53.72	1761028-4
100	39.12	74.04	1761028-5

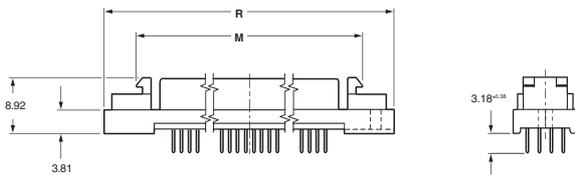
Right Angle Receptacle Headers - Through Hole With Board Locks



No. of Positions	D	Dimension E	Dimension F	Dimension G	Part Number
50	23.24	46.48	30.48	52.45	5787170-5
68	28.96	57.91	41.91	63.88	5787170-7
100	39.12	78.93	62.23	84.20	5787170-9

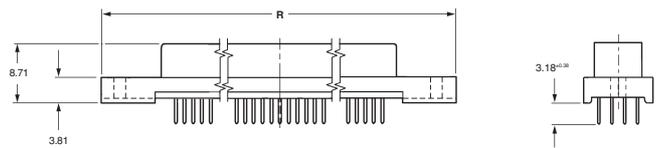
Note: Female screwlocks must be used to mate with cable assemblies with male jackscrew hardware

Vertical Receptacle Headers - Through Hole With Rails and Latches



No. of Positions	Dimension M	Dimension R	Part Number
26	27.05	37.21	5749069-2
50	42.29	52.45	5749069-5
68	53.72	63.88	5749069-7
100	74.04	84.20	5749069-9

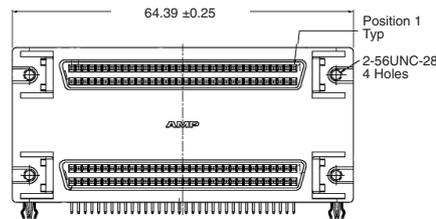
Vertical Receptacle Headers - Through Hole



No. of Positions	Dimension R	Part Number
50	50.45	5749070-5
68	63.88	5749070-7
100	84.20	5749070-9

Note: Female screwlocks must be used to mate with cable assemblies with male jackscrew hardware

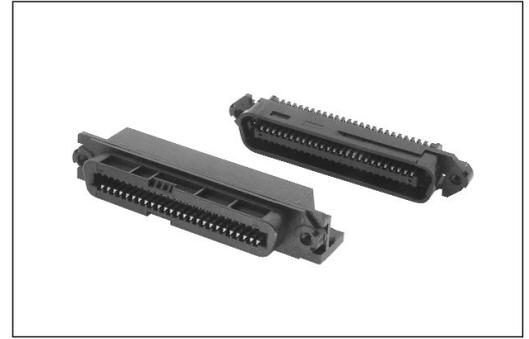
Stacked SCSI



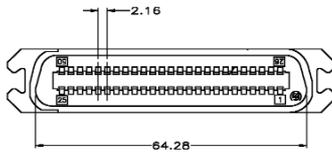
Number of Positions	Configuration	Termination Style	Mounting Style	Part Number
50 over 50	Receptacle over Receptacle	Rails and 2-56 UNC Threaded Inserts	Through Hole	5787656-1
68 over 68	Receptacle over Receptacle	Rails and 2-56 UNC Threaded Inserts	Through Hole	5787678-1

CHAMP Connectors

- Connector of choice for ADSL Switching
- IDC contact provides low cost terminating method
- Pre loaded contacts
- Solid or stranded wire

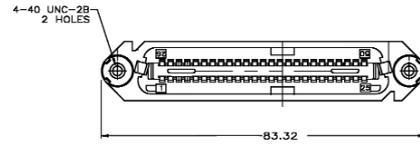


**Cable Mount Plug
24-26 AWG**



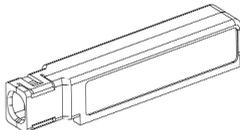
No. of Positions	Mating Style	Part Number
24	Screw Lock	552283-1
24	Bail Lock	552272-1
36	Screw Lock	552284-1
36	Bail Lock	552274-1
50	Screw Lock	229974-1
50	Bail Lock	552032-1
64	Screw Lock	552285-1
64	Bail Lock	552276-1

**Cable Mount Receptacle
24-26 AWG**



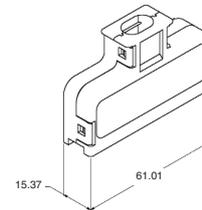
No. of Positions	Mating Style	Part Number
24	Screw Lock	552313-1
24	Bail Lock	2-552273-1
36	Screw Lock	552314-1
36	Bail Lock	2-552275-1
50	Screw Lock	229975-1
50	Bail Lock	2-552001-1
64	Screw Lock	552315-1
64	Bail Lock	2-552277-1

Right Angle Snap on Covers



No. of Positions	Cable Diameter (mm)	Part Number
24	6.35 - 7.62	552413-1
36	7.75 - 9.14	552414-1
50	8.64 - 10.16	552014-1
64	10.41 - 12.07	552496-1

Straight Snap on Covers



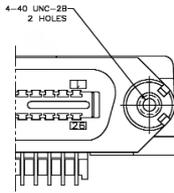
No. of Positions	Cable Diameter (mm)	Part Number
24	5.84 - 7.11	552076-1
36	7.37 - 9.14	552073-1
50	10.92 - 12.45	552008-1
64	12.19 - 13.72	552082-1

*Search for distributor
inventory at*

www.tycoelectronics.com

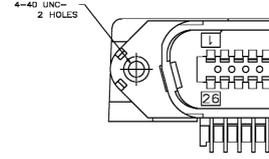
CHAMP Connectors (continued)

Right Angle Receptacle



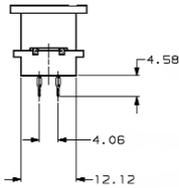
No. of Positions	Mounting Style	Part Number
24	Through Hole	5552740-1
36	Through Hole	5552742-1
50	Through Hole	5552725-1
64	Through Hole	5552744-1

Right Angle Plug



No. of Positions	Mounting Style	Part Number
24	Through Hole	5552741-1
36	Through Hole	5552743-1
50	Through Hole	5552726-1
64	Through Hole	5552745-1

Vertical Mount Receptacle



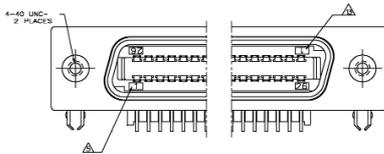
No. of Positions	Mounting Style	Part Number
24	Through Hole	5552224-1
	Press Fit	553443-2
36	Through Hole	5552235-1
	Press Fit	553443-3
50	Through Hole	5552118-1
	Press Fit	553443-4
64	Through Hole	5552246-1
	Press Fit	553443-5

Vertical Mount Plug



No. of Positions	Mounting Style	Part Number
24	Through Hole	5552221-1
	Press Fit	553444-2
36	Through Hole	5552232-1
	Press Fit	553444-3
50	Through Hole	5552116-1
	Press Fit	553444-4
64	Through Hole	5552243-1
	Press Fit	553444-5

Right Angle Receptacle - Shielded



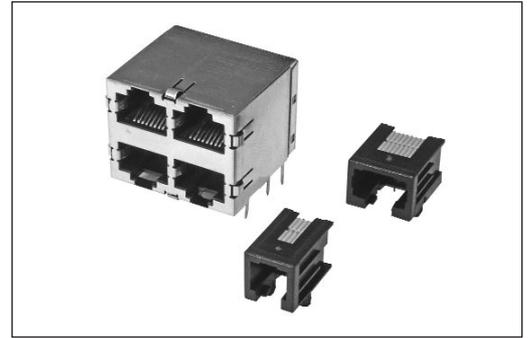
No. of Positions	Mounting Style	Part Number
24	Through Hole + 4-40unc Screw Locks	5554923-2
36	Through Hole + 4-40unc Screw Locks	5555119-1
50	Through Hole + 4-40unc Screw Locks	5557932-2

Modular Jacks

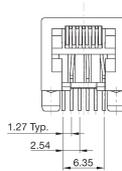
- Full range of modular jacks
- Shielded and unshielded versions
- 750 mating cycles

Specification:

Housing - Polyester
Contacts - Gold over nickel
Current Rating - 1.5A

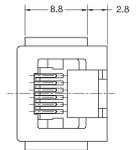


Side Entry



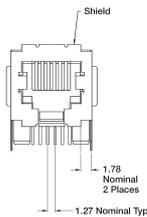
Style	Mounting Style	Part Number
4 Position / 4 Contact	Through Hole	1-1705949-1
6 Position / 4 Contact	Through Hole	1-1705950-2
6 Position / 6 Contact	Through Hole	1-1705950-1
8 Position / 8 Contact	Through Hole	1-1705951-1
6 Position / 6 Contact	SMT	5557314-1
8 Position / 8 Contact	SMT	5555764-1

Top Entry



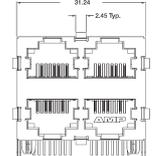
Style	Mounting Style	Part Number
4 Position / 4 Contact	Through Hole	5520257-2
6 Position / 4 Contact	Through Hole	5520258-2
6 Position / 6 Contact	Through Hole	216548-1
8 Position / 8 Contact	Through Hole	216550-1
6 Position / 6 Contact	SMT	1-338086-3
8 Position / 8 Contact	SMT	1-338088-3

Shielded - Side Entry - Panel and PCB Ground



Style	Mounting Style	Part Number
6 Position / 6 Contact	Through Hole	5555140-1
8 Position / 8 Contact	Through Hole	106066-2

Shielded - Stacked

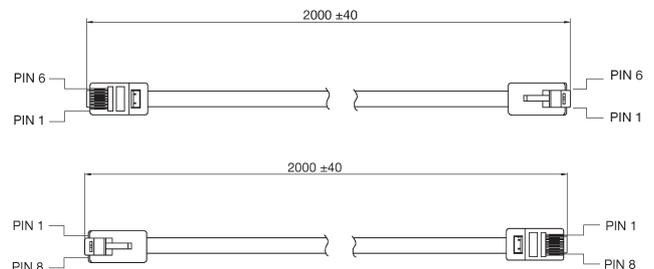


Style	Number of Ports	Mounting Style	Part Number
8 Position / 8 Contact	2 x 1	Through Hole	5569381-1
8 Position / 8 Contact	2 x 2	Through Hole	5569260-1
8 Position / 8 Contact	2 x 4	Through Hole	5569262-1

ATCA Specification Side Entry - With LEDs

Style	Number of Ports	LED	Mounting Style	Part Number
8 Position / 8 Contact	1 x 1	Green/Yellow + Green/Yellow	Press Fit	1888250-2
8 Position / 8 Contact	1 x 4	Green/Yellow + Green/Yellow	Press Fit	1888251-2

Cable Assemblies



Product Description	Assembly Length (metres)	Part Number
RJ11 Modem/telephone Cable 6 Position/4 Contact - colour grey	2.00	1820513-1
RJ45 Wlan/ISDN cable 8 Position / 8 Contact - colour grey	2.00	1820511-1

Modular Jacks with Integrated Magnetics (MAG 45)

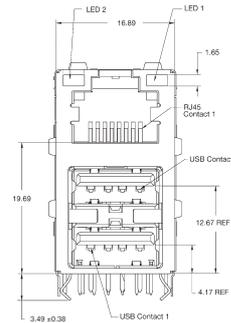
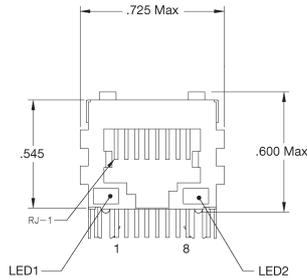
- Single port
- Through hole
- UL recognised UL94V-0
- IEEE 802.3 & ANSI X3.263 compliant
- Supports all appropriate and available PHY Chips and applications

Specification:

Housing - Thermo plastic polyester

Impedence - 100 Ohm

Connector Style - RJ45 / 8 Position



10/100 Base T Ethernet - Through Hole - Side Entry

Tab Direction	LEDs	Stacked	No. of Ports	Profile	Part Number
Down	None	No	1	Standard	6605424-1
Down	Green / Yellow	No	1	Standard	5-6605308-1
Up	None	No	1	Standard	6605759-1
Up	Green / Yellow	No	1	Standard	5-6605758-1
Up	Green / Yellow / Orange + Green / Yellow / Orange	No	1	Low Profile	1368458-2
Up	None	No	1 x 2	Standard	5-6610000-1
Up	None	No	1 x 6	Standard	5-6610084-1
Up	Yellow + Green / Orange	Yes over USB	1 x RJ45 + 2 x USB	Standard	6620004-1

10/100 Power Over Ethernet (POE) - Through Hole - Side Entry

Tab Direction	LEDs	Stacked	No. of Ports	Profile	Part Number
Down	Green / Green	No	1	Standard	1-6605310-1
Up	Green / Green	No	1	Standard	1-6605834-1

Gigabit Ethernet - Through Hole - Side Entry

Tab Direction	LEDs	Stacked	No. of Ports	Profile	Part Number
Down	Green / Yellow + Green / Yellow	No	1	Standard	6605444-6
Up	Green / Yellow + Green / Yellow	No	1	Standard	6605814-6
Up	Green / Yellow / Orange + Green / Yellow / Orange	No	1	Standard	1368398-2

Shielded Data Link (SDL)

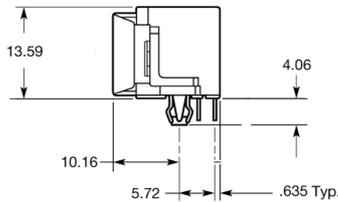
- Cost-effective shielded connector for data interconnection
- Miniature size minimises pc board real estate
- Plug accepts 28 - 24 AWG cable
- Durability tested up to 3000 cycles
- UL & CSA approved

Specification:

Current/Voltage Rating - 30 VAC / 42 VDC at 1.5A max
Operating Temperature --20°C to +80°C
Shielding Effectiveness - 20 dB min. from 30 MHz to 500 MHz
 and 10 dB min. from 500 MHz to 1 GHz

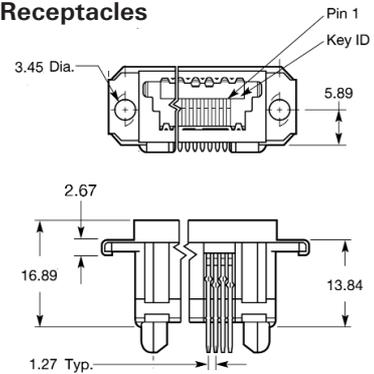


Side Entry Receptacles with Ground



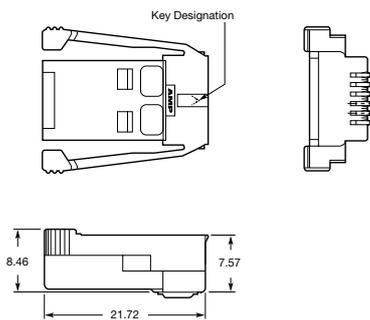
No. of Positions	Part Number
4	1-1761185-1
6	1-1761185-2
8	1-1761185-3
16	5-1761185-6

Top Entry Receptacles



No. of Positions	Part Number
4	1-1761183-1
6	1-1761183-2
8	1-1761183-3
16	5-1761183-6

Plug Assemblies for Round Cable - (24/26 AWG)



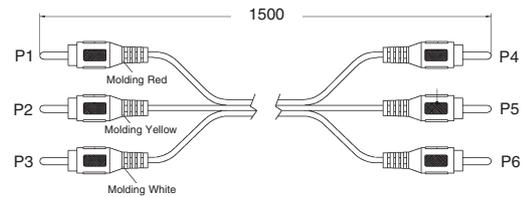
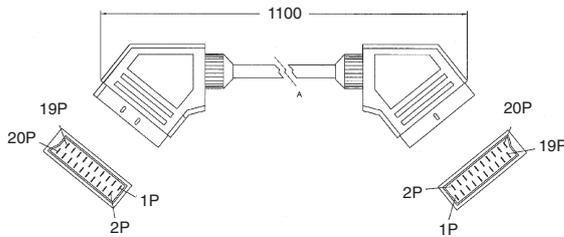
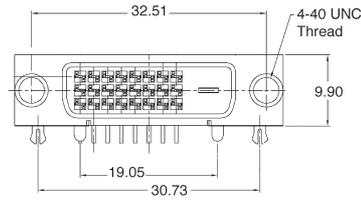
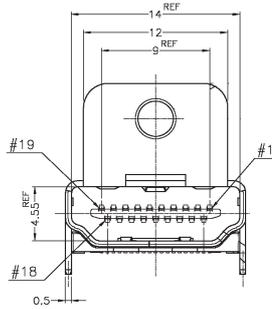
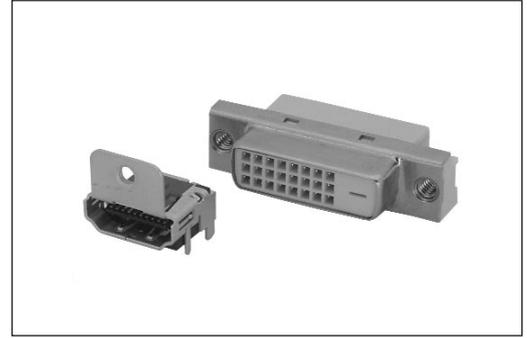
No. of Positions	Part Number
4	1-520424-1
6	1-520424-2
8	1-520424-3
16	5-520424-6

Plug Assemblies for Flat Cable - (24/26 AWG)

No. of Positions	Part Number
4	1-1761184-1
6	1-1761184-2
8	1-1761184-3
16	5-1761184-6

HDMI / DVI / Scart / RCA
Connectors & Cable Assemblies

- Industry standard interfaces
- Board mount connectors with interconnecting cable assemblies and adaptors



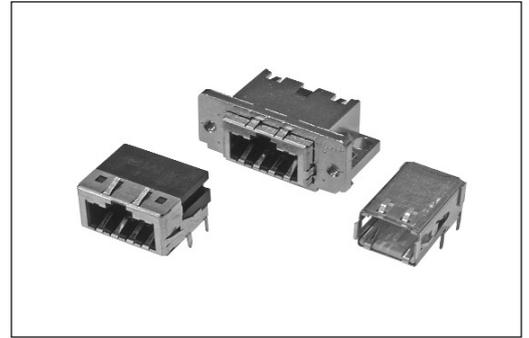
Product Style	Description	Mounting Style	Length (metres)	Part Number
DVI	DVH Analog + Digital Receptacle - Right Angle	Through Hole	-	1734148-1
DVI	DVI-D Digital Receptacle - Right Angle	Through Hole	-	1734144-1
DVI	DVI - Analog to VGA Cable Assembly	Cable Assembly	2.00	1653932-2
DVI	DVH to DVH Cable Assembly	Cable Assembly	2.00	1653929-2
HDMI	19 Position Receptacle with Flange (M3 Screw) - Right Angle	SMT	-	1-1747981-1
HDMI	19 Position Receptacle without Flange - Right Angle	SMT	-	1747981-1
HDMI	HDMI to HDMI Cable Assembly	Cable Assembly	1.00	1770019-6
HDMI	HDMI to HDMI Cable Assembly	Cable Assembly	2.00	1770019-1
HDMI	HDMI to HDMI Cable Assembly	Cable Assembly	3.00	1770019-2
HDMI	HDMI Female to DVI Male Adaptor	Adaptor	-	9-1857144-1
DVI / HDMI	DVI Digital to HDMI Cable Assembly	Cable Assembly	1.00	1770020-6
DVI / HDMI	DVI Digital to HDMI Cable Assembly	Cable Assembly	2.00	1770020-1
DVI / HDMI	DVI Digital to HDMI Cable Assembly	Cable Assembly	3.00	1770020-2
RCA Cable	RCA Audio/Video Cable Assembly Yellow/Red/White male connectors	Cable Assembly	1.50	1820515-1
Scart	Scart Cable Assembly	Cable Assembly	1.10	1705095-1
Scart	Scart Cable Assembly	Cable Assembly	1.50	1820492-2
VGA	Stacked VGA Receptacle Over DVH	Through Hole	-	1775075-1

High Speed Serial Connectors (Infiniband)

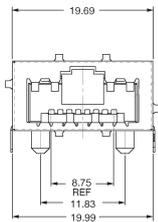
- InfiniBand 1.0 specification
- Fibre channel SEF copper
- High speed serial 2.125 Gb/s and beyond
- Shielded PCB receptacle

Specification:

- Housing** - LCP
Contacts - Gold over nickel/phosphor bronze
Durability - Up to 250 mating cycles

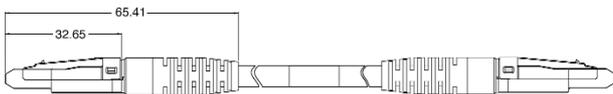


HSSDC Receptacle - Right Angle



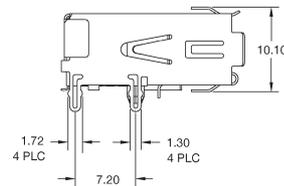
Description	Mounting Style	Part Number
8 position	SMT	1658250-1
8 position - Panel mount with board locks	SMT	5636181-1

HSSDC2 Cable Assemblies



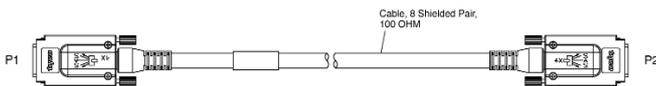
Description	Length (metres)	Part Number
HSSDC2 Cable Assembly	0.5	6364561-1
HSSDC2 Cable Assembly	5	6364561-6

HSSDC 2 Receptacle - Right Angle



Description	Mounting Style	Part Number
Infiniband Specification	SMT	1761069-1
Fibre Channel Specification	SMT	1761072-1

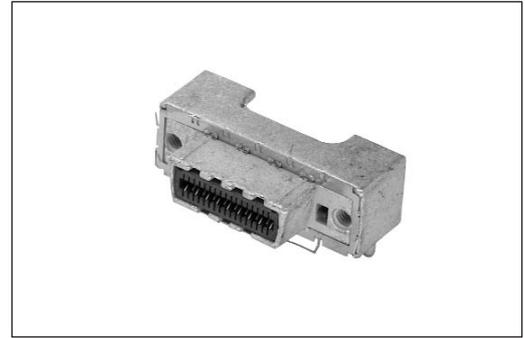
Serial Attached SCSI (SAS) Cable Assemblies



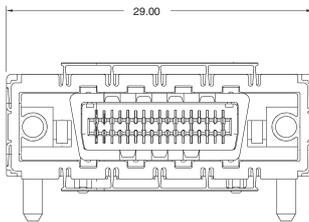
Description	Length (metres)	Part Number
Serial Attached SCSI (SAS) Cable Assembly	2	1812765-3
Serial Attached SCSI (SAS) Cable Assembly	4	1812765-5

**High Speed Serial Connectors
(Infiniband)**

- InfiniBand 1.0 specification
- Fibre channel SEF copper
- High speed serial 2.125 Gb/s and beyond
- Shielded PCB receptacle

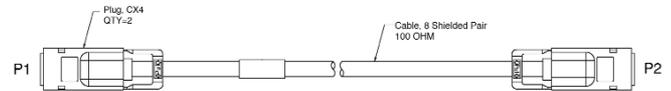


Infiniband Connector - Right Angle



Description	Mounting Style	Part Number
4X Infiniband PCB Mount Receptacle	SMT	1469662-1

Infiniband Cable Assemblies

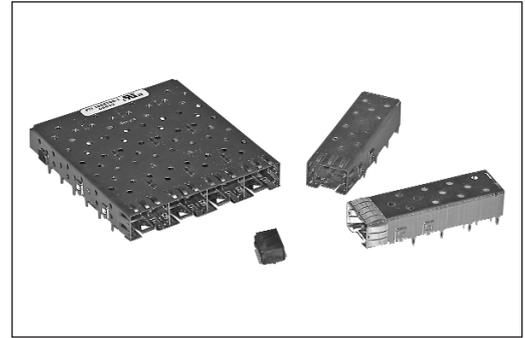


Description	Length (metres)	Part Number
4X Cable Assembly	2	6434357-3
4X Cable Assembly	4	6434357-5
CX4 Cable Assembly	2	6751546-3
CX4 Cable Assembly	4	6751546-5

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for our complete range at*
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Short Form-Factor Pluggable (SFP) / XFP

- Supports Hot Swap Fibre & copper based transceivers and cable assemblies
- Universal interface design
- Available in 1 & 2 piece options
- Supports data rates > 5Gb/s



Stacked / Ganged

Port Configuration	Cage Configuration	Mounting Style	Connector Included	ATCA Specification	Part Number
1 x 1	Single	Press Fit	No	No	1489669-1
1 x 1 with Lightpipes	Single	Press Fit	No	No	1367629-1
1 x 2	Ganged	Press Fit	No	Yes	1761014-1
1 x 2 with Lightpipes	Ganged	Press Fit	No	No	1761007-1
1 x 4	Ganged	Press Fit	No	Yes	1658744-1
1 x 4 with Lightpipes	Ganged	Press Fit	No	No	1761008-1
1 x 6	Ganged	Press Fit	No	No	1761015-1
1 x 6 with Lightpipes	Ganged	Press Fit	No	No	1658939-1
2 x 1	Stacked	Press Fit	Yes	Yes	1658628-1
2 x 1 with Lightpipes	Stacked	Press Fit	Yes	No	1658859-1
4 x 2	Stacked / Ganged	Press Fit	Yes	No	1658629-1
4 x 2 with Lightpipes	Stacked / Ganged	Press Fit	Yes	No	1658758-1
6 x 2	Stacked / Ganged	Press Fit	Yes	No	1658894-1
6 x 2 with Lightpipes	Stacked / Ganged	Press Fit	Yes	No	1658895-1

Single Cage & Caps

Product Description	Mounting Style	ATCA Spec	Part Number
Single Bottom Cage	Surface Mount	Yes	6367034-1
Single Top Cage	-	Yes	6367035-1
Single One Piece Cage	Press Fit	Yes	1489669-1
20 Pos. SFP Connector	Surface Mount	Yes	1367073-1
SFP Dust Cap	-	Yes	1761394-1

Cable Assemblies

Product Description	Length (metres)	ATCA Spec	Part Number
SFP to SFP Direct Attach	0.50	Yes	1902495-1
Cable Assembly - 2 Gb/s Passive	2.00	Yes	1902495-2

XFP

Product Description	Mounting Style	Application	Part Number
XFP Kit - with cage, clip and heat sink	Press Fit	PCI	1888481-1
30 pos XFP PT Connector - SMT	SMT	-	788862-1

Cable Assemblies

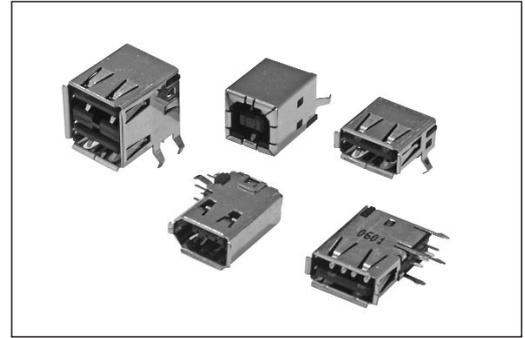
Product Description	Length (metres)	Part Number
XFP Cable Assembly Passive Equalisation	0.30	1902480-1

USB / IEEE 1394 Connectors & Cable Assemblies

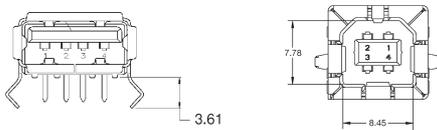
- Industry standard I/O connectors & cable assemblies
- USB 2.0 specification
- Cable assemblies intermateable with existing equipment

Specification:

Housing - Thermoplastic
Contacts - Gold flash

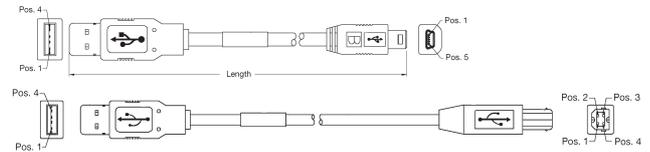


Standard USB - Receptacles



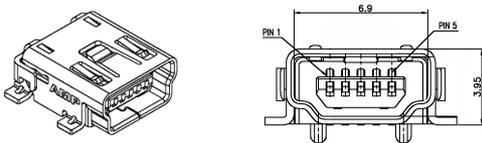
Product Description	Orientation	Mounting Style	Product Number
Type A	Right Angle	Through Hole	292303-1
Type A - Stacked	Right Angle	Through Hole	5787617-1
Type B	Right Angle	Through Hole	292304-1
Type B	Vertical	Through Hole	5787834-1
Type A - Flag Style	Right Angle	Through Hole	292336-1
Type A	Right Angle	SMT	1-1734082-1
Type B	Vertical	SMT	1734517-1
Type B	Right Angle	SMT	1-1734346-1

Standard USB - Cable Assemblies



Product Description	Cable Length (metres)	Product Number
2.0 Spec - Type A to Type B	1.00	1487587-1
2.0 Spec - Type A to Type B	1.50	1487588-2
2.0 Spec - Type A to Type B	2.00	1487588-1

Mini USB - Receptacles

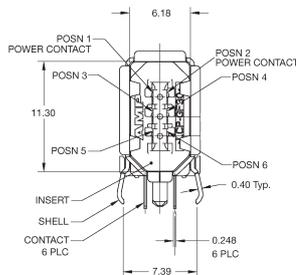


Product Description	Orientation	Mounting Style	Product Number
Mini USB Type B	Right Angle	SMT	1734035-2
Mini USB Type A	Right Angle	SMT	1734327-2

Mini USB - Cable Assemblies

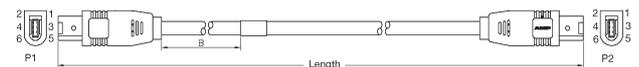
Product Description	Cable Length (metres)	Product Number
USB A to Mini USB B	2.00	1496476-3

IEEE 1394 - Receptacle



Product Description	Orientation	Mounting Style	Product Number
Flag Style	Right Angle	Through Hole	5787956-1

IEEE 1394 - Cable Assemblies



Cable Length (metres)	Product Number
1.00	1324770-4
2.00	1324770-5
4.50	1324770-6

Shielded Circular & Mini Circular DIN Connectors

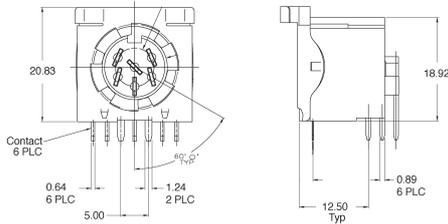
- Meets DIN standards 41524 & 45322
- Fully shielded
- UL/CSA approved

Specification:

Voltage - 30VAC RMS or 30 VDC
Current Rating - 1A
Durability - 100 mating cycles

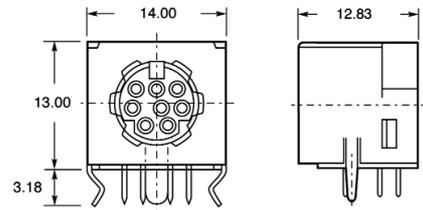


**Circular DIN Connectors - Right Angle
PCB Mount Connector - Shielded**



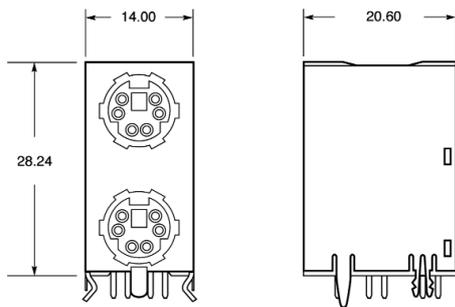
No. of Positions	Mounting Style	Part Number
5	Through Hole	5750477-1
6	Through Hole	5786676-1
8	Through Hole	5212047-1

**Mini Circular DIN Connectors - Right Angle
PCB Mount Connector - Shielded**



No. of Positions	Mounting Style	Part Number
4	Through Hole	5749230-1
6	Through Hole	5749231-1
8	Through Hole	1658998-1

**Mini Circular DIN Connectors -
Stacked (1 Keyboard & 1 Mouse Connector - P/S 2)**



No. of Positions	Mounting Style	Part Number
2 x 6	Through Hole	1734021-4

DC Jacks

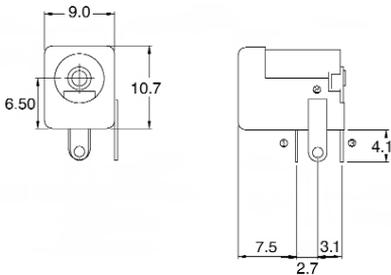
- Industry standard power connector
- Accepts 2.0 or 2.5mm pin

Specification:

- Housing** - Thermoplastic UL94V-0
Contact - Gold plating on contact area
 Tin plating on solder tail
Current Rating - 5A
Voltage Rating - 13VDC



DC Jacks



Number of Positions	Centre Pin Diameter (mm)	Termination Style	Product Number
3	2.00	Through Hole	1734172-1
3	2.50	Through Hole	1734172-2



TRIAD 01 Shielded Subminiature Circular Connectors

- Small, lightweight connector system
- Cable mount connectors for solder or crimp termination
- Panel mount products with solder cup or PCB pins
- Double ended overmoulded cable assemblies
- Cable assemblies in additional lengths and styles available on request



Specification:

Shell - CUZn, Nickel phosphor 4µm plated
Insert - PBT, UL94V-2
Temperature Range --40°C to +85°C

Cable Mount Connectors - with Solder Contacts

No. of Contacts	Wire Size Range (mm ²)	Part Number	
		Male	Female
3	0.25 max	1-1437719-5	3-1437719-0
5	0.25 max	2-1437719-1	3-1437719-6

Cable Mount Connectors - with Crimp Contacts

No. of Contacts	Wire Size Range (mm ²)	Part Number			
		Male Connector Housing	Male Crimp Contacts	Female Connector Housing	Female Crimp Contacts
3	0.5 max	1-1437719-1	5-1437720-4	1-1437719-3	5-1437720-6
5	0.14 or 0.25	1-1437719-2	5-1437720-5	1-1437719-4	5-1437720-7

Panel Mount Headers - Solder or PCB Contacts

No. of Contacts	Part Number					
	Male Straight Solder	Male Straight PCB	Male Right Angle PCB	Female Straight Solder	Female Straight PCB	Female Right Angle PCB
3	8-1437719-1	6-1437719-3	4-1437719-5	9-1437719-6	6-1437719-6	5-1437719-4
5	8-1437719-7	6-1437719-5	5-1437719-1	1437720-3	7-1437719-2	6-1437719-0

Cable Assemblies with Overmoulded Male-Female Connector

No. of Poles	Cable	Length (metres)	Part Number
3	PVC	3	2-1437720-3
5	PVC	3	3-1437720-1

Dust Caps

Type	Part Number
For Male Connector	1437719-5
For Female Connector	1437719-8

Gender Changers

No. of Poles	Part Number
3	1-1437720-3
5	1-1437720-4

Micro CPC (Circular Plastic Connectors)

- Squeeze-to-release coupling mechanism offers positive latch or optional breakaway locking feature
- Panel mount receptacle offers jam nut mounting
- Keystroke and polarised
- Sealed to IP65
- No assembly required
- No application tooling required
- Ink marked positive alignment indicators

Specification:

- Housing** - Thermoplastic, black
Jam Nut - Brass, nickel plated
Current Rating - 2 - 3 Amps

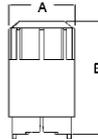


Products

Contact System	Shell Size	No. of Positions	Panel Mount Solder Cup	Panel Mount Solder Tail	Part Number Free Hanging Solder Cup	Free Hanging Solder Tail	Plug Solder Cup	Latch
Spring	M9.5	7	2-1445718-0	2-1445719-0	2-1445555-0	2-1445323-0	1445322-1	Positive
Probe	M13.5	19	2-1445759-0	2-1445758-0	2-1445757-0	2-1445756-0	1445777-1	Positive
Pin & Socket	M9.5	7	1445721-1	1445720-1	1445641-1	1445691-1	2-1445642-0	Positive
	M13.5	19	1445779-1	1445778-1	1445773-1	1445772-1	2-1445782-3	Positive

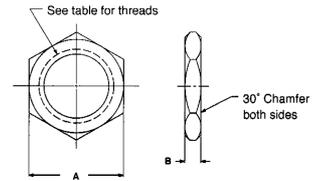
Accessories

Strain Reliefs



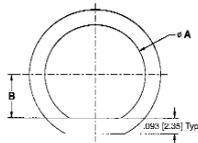
Shell Size	Dimension		Cable O.D (max.)	Part Number
	A	B		
M9.5	11.3	23.6	5.0	1604111-1
M13.5	16	27.9	8.8	1604204-1

Jam Nuts



Shell Size	Dimension		Thread	Part Number
	A	B		
M9.5	14	2.4	7/16-28 UNEF-2B	1604197-1
M13.5	19	3.2	5/8-24 UNEF-2B	1604196-1

Flange Seals



Shell Size	Dimension		Part Number
	A	B	
M9.5	10.9	4.5	1445420-3
M13.5	15.3	6.6	1445420-1

Miniature CPC (Circular Plastic Connectors)

- Pre-positioned 1/4 turn coupling ring with positive lock and alignment features
- Unique contact pattern for each position size helps prevent accidental mating with other position sizes
- Sealed to IP67
- Front or rear jam nut mounting
- No assembly required
- Receptacle available in free-hanging or panel mount versions

Specification:

Housing - Thermoplastic, black or red	Ring, coupling - Thermoplastic, black
Seal, wire entry - Elastomer, yellow or grey	Nut, jam - Brass, nickel plated
Seal, peripheral - Elastomer, grey	Plate,
Protector, seal - Thermoplastic, natural	seal retention - Thermoplastic, black

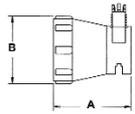


Housings

Shell Size	No. of Positions	Insulation Diameter Range	Panel Mount	Part Number Free-hanging	Plug
8	4	.89 - 1.5	1445421-1	1445389-1	1445390-1
		1.5 - 2.39	1445421-3	1445389-3	1445390-3
11	9	.89 - 1.5	1445816-1	1445825-1	1445807-1
		1.5 - 2.39	1445816-3	1445825-3	1445807-3

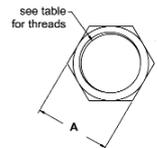
Accessories

Strain Reliefs



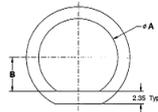
Shell Size	Dimension A	Dimension B	Part Number
8	23.5	18.0	1445730-1
11	28.0	24.5	1445856-1

Jam Nuts



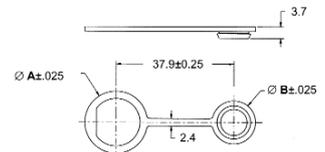
Shell Size	Dimension A	Dimension B	Thread	Part Number
8	19.0	3.2	5/8-24 UNEF-2B	1604196-1
11	22.25	3.2	3/4-20 UNEF-2B	1445904-1

Flange Seals



Shell Size	Dimension A	Dimension B	Part Number
8	15.3	6.6	1445420-1
11	18.5	8.5	1445420-2

Dust Caps



Shell Size	Dimension A	Dimension B	Part Number
8	20.2	14.0	1604089-1
11	22.6	18.7	1604089-2

Heat Shrink Boots



Shell Size	Dimension A	Dimension B	Part Number
8	50.8	19.0	1546997-1
11	63.5	25.4	1546921-1

Contacts

Wire Size Range AWG (mm ²)	Insulation Diameter Range	Finish	Part Number	
			Pin Loose Piece	Socket - Brass Loose Piece
30 - 26 (.05 - .12)	.889 - .127	Pre-tin	794059-1	794058-1
		Duplex ¹	1-794059-0	1-794058-0
26 - 22 (.12 - .3)	1.19 - 1.75	Pre-tin	770985-1	770986-1
		Duplex ¹	1-770985-0	1-770986-0
22 - 18 (.3 - .8)	1.50 - 2.39	Pre-tin	770987-1	770988-1
		Duplex ¹	1-770987-0	1-770988-0

¹ - Duplex finish - plated with .000762 min. gold in mating area and .00254 min. tin-lead in crimping area over .00127 min. nickel underplate on entire contact

CPC (Circular Plastic Connectors) Series 1 & 3

- Lightweight, all plastic and metal-shell connectors
- Most CPC connectors are UL94V-0 rated and are made of stabilized, heat resistant, self-extinguishing thermoplastic material
- Operating temperature range: -55 °C to +125 °C
- Quick connect/disconnect capability with thread assist, positive detent coupling
- Full complement of optional accessories

Specification:

- Housing** - Available in panel or chassis mount and free-hanging configurations
- Socket** - Built in pin & socket protection
- Current Rating** - Certain products meet VDE Standard O627



Series 1

Normal Gender - Receptacle Housing with Square Flange (Panel Mount with Mounting Holes) for Size 16 Type III+ Pin Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Standard Sex	UL94V-0	182917-1
13	9	Standard Sex	UL94V-0	182922-1
17	9	Standard Sex	UL94V-0	211767-1
17	14	Standard Sex	UL94V-0	183040-1
17	16	Standard Sex	UL94V-0	182916-1
23	24	Standard Sex	UL94V-0	183075-1
23	37	Standard Sex	UL94V-0	182918-1

Reverse Gender - Receptacle Housing with Square Flange (Panel Mount with Mounting Holes) for Size 16 Type III+ Pin Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Reverse Sex	UL94V-0	182921-1
17	9	Reverse Sex	UL94V-0	211769-1
17	14	Reverse Sex	UL94V-0	182641-1
23	37	Reverse Sex	UL94V-0	182920-1

Normal Gender - Receptacle Housing (Free Hanging) for Size 16 Type III+ Pin Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Standard Sex	UL94V-0	182919-1
13	9	Standard Sex	UL94V-0	183079-1
17	16	Standard Sex	UL94V-0	183077-1
23	24	Standard Sex	UL94V-0	206838-2
23	37	Standard Sex	UL94V-0	206151-2

Reverse Gender - Receptacle Housing (Free Hanging) for Size 16 Type III+ Pin Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Reverse Sex	UL94V-0	183083-1
17	9	Reverse Sex	UL94V-0	211769-3
17	14	Reverse Sex	UL94V-0	206043-3
23	37	Reverse Sex	UL94V-0	206306-2

Normal Gender - Plug for Size 16 Type III+ Pin Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Standard Sex	UL94V-0	182647-1
13	9	Standard Sex	UL94V-0	182645-1
17	9	Standard Sex	UL94V-0	211766-1
17	14	Standard Sex	UL94V-0	183039-1
17	16	Standard Sex	UL94V-0	182642-1
23	24	Standard Sex	UL94V-0	183073-1
23	37	Standard Sex	UL94V-0	182923-1

Reverse Gender - Plug for Size 16 Type III+ Pin Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
11	4	Reverse Sex	UL94V-0	182651-1
17	9	Reverse Sex	UL94V-0	211768-1
17	14	Reverse Sex	UL94V-0	182649-1
23	37	Reverse Sex	UL94V-0	182926-1

CPC (Circular Plastic Connectors) (continued) Series 1 & 3

Series 1 (cont.)

Size 16 - Type III+ Pin Contact (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number Pin Contact
0.12 - 0.20	26 - 24	0.9 - 1.4	Brass, tin-plated	163090-1
			Brass, 0.76 µm gold plated	163090-2
0.20 - 0.56	24 - 20	1.15 - 1.80	Brass, tin-plated	163086-1
			Brass, 0.76 µm gold plated	163086-2
0.75 - 1.50	18 - 16	2.0 - 2.5	Brass, tin-plated	163082-1
			Brass, 0.76 µm gold plated	163082-2
0.8 - 2.0	18 - 14	2.0 - 2.5	Brass, 0.76 µm gold plated	66361-4

Size 16 - Type III+ Socket Contact (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number Socket Contact
0.12 - 0.20	26 - 24	0.9 - 1.4	Brass, tin-plated	163092-1
			Brass, 0.76 µm gold plated	163092-2
0.20 - 0.56	24 - 20	1.15 - 1.80	Brass, tin-plated	163088-1
			Brass, 0.76 µm gold plated	163088-2
0.75 - 1.50	18 - 16	2.0 - 2.5	Brass, tin-plated	163084-1
			Brass, 0.76 µm gold plated	163084-2
0.8 - 2.0	18 - 14	2.0 - 2.5	Brass, 0.76 µm gold plated	66360-4

Size 16 - Type III+ Grounding Pin (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number Grounding Pin
0.20 - 0.56	24 - 20	1.15 - 1.80	Brass, tin-plated	164163-1
			Brass, 0.76 µm gold plated	164163-2
0.8 - 1.40	18 - 16	2.0 - 2.5	Brass, tin-plated	164164-1
			Brass, 0.76 µm gold plated	164164-2

Additional Size 16 Contacts like, High Current, Power, Solder, Posted, Screw-Machined, Coax or Plastic Fiber Contacts are available on request

Replacement Coupling Ring (Loose Piece)

Shell Size	Flammability Rating	Part Number
11	UL94V-0	213811-1
13	UL94V-0	213813-1
17	UL94V-0	213810-1
23	UL94V-0	213812-1



CPC (Circular Plastic Connectors) (continued)
Series 1 & 3

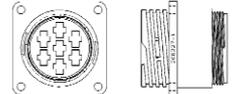
Series 3

**Receptacle Housing with Square Flange
(Panel Mount with Mounting Holes)
for Type XII Pin Contacts**



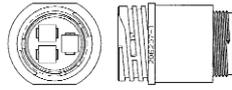
Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Standard Sex	UL94V-0	206036-2
23	7	Standard Sex	UL94V-0	206137-1

**Receptacle Housing with Square Flange
(Panel Mount with Mounting Holes)
for Type XII Female Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Reverse Sex	UL94V-0	206425-1
23	7	Reverse Sex	UL94V-0	206227-1

**Receptacle Housing
(Free Hanging)
for Type XII Pin Contacts**



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Standard Sex	UL94V-0	206207-1
23	7	Standard Sex	UL94V-0	206137-2

**Receptacle Housing
(Free Hanging)
for Type XII Female Contacts**



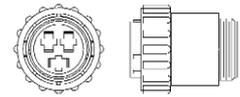
Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Reverse Sex	UL94V-0	206425-2
23	7	Reverse Sex	UL94V-0	206227-2

Plug for Type XII Pin Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Standard Sex	UL94V-0	206037-2
23	7	Standard Sex	UL94V-0	206136-1

Plug for Type XII Male Contacts



Shell Size	No. of Poles	Style/Gender	Flammability Rating	Part Number
17	3	Reverse Sex	UL94V-0	206426-1
23	7	Reverse Sex	UL94V-0	206226-1

Type XII Male Contact and Ground Contact (Loose Piece)

Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number	
				Male Contact	Ground Contact
1.25 - 3.00	16 - 12	3.4 - 4.0	Copper, 0.76 µm gold plated	66261-2	66262-2
			Copper, silver plated	66261-4	-
5.0 - 6.0	10	4.8 - 5.6	Copper, 0.76 µm gold plated	66259-2	66260-2
			Copper, silver plated	66259-4	-

Type XII Female Contact (Loose Piece)

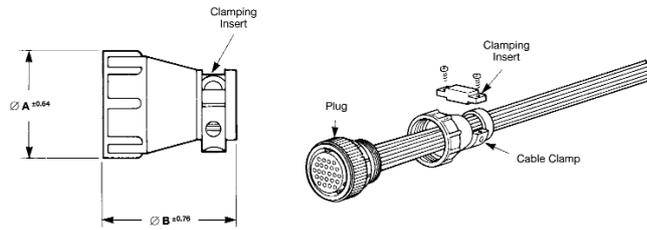
Wire Size Range (mm ²)	AWG	Insulation Diameter (mm)	Material and Finish	Part Number
1.25 - 3.00	16 - 12	3.4 - 4.0	Copper, 0.76 µm gold plated	66740-6
			Copper, silver plated	66740-2
5.0 - 6.0	10	4.8 - 5.6	Copper, 0.76 µm gold plated	66741-6
			Copper, silver plated	66741-2

CPC (Circular Plastic Connectors) (continued)
Series 1 & 3

Accessories

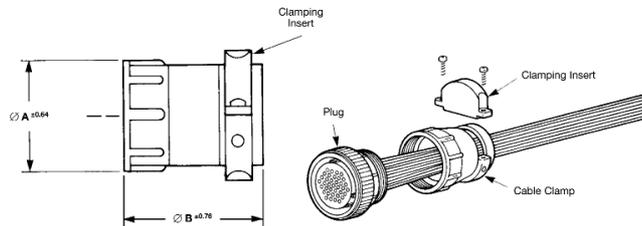
Cable Clamps

Standard Size



Shell Size	Dimension		Cable Outer Diameter max.	Thread Size	Part Number
	A	B			
11	20.95	31.75	8.36	5/8-24 UNEF-2B	182658-1
13	24.13	35.56	11.51	3/4-20 UNEF-2B	182663-1
17	28.58	35.56	11.51	15/16-20 UNEF-2B	182655-1
23	40.64	39.50	17.86	1-3/8-18 UNEF-2B	182652-1

Large Size



Shell Size	Dimension		Cable Outer Diameter max.	Thread Size	Part Number
	A	B			
11	21.59	36.83	11.51	5/8-24 UNEF-2B	182928-1
13	28.73	42.04	17.86	3/4-20 UNEF-2B	207008-5
17	28.73	42.04	17.86	15/16-20 UNEF-2B	182661-1
23	40.64	42.04	28.58	1-3/8-18 UNEF-2B	182930-1

Keying Plugs

Series 1



Product Description	Part Number
Pin Cavities	183047-1
Socket Cavities	183046-1

Series 3



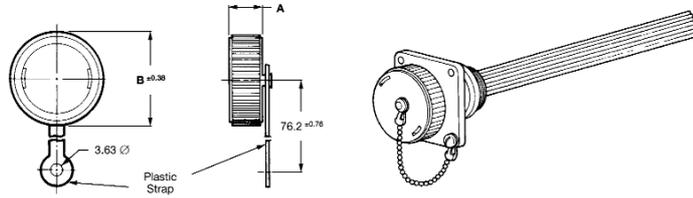
Product Description	Part Number
Pin Cavities	206508-1
Socket Cavities	207597-1

CPC (Circular Plastic Connectors) (continued)
Series 1 & 3

Accessories

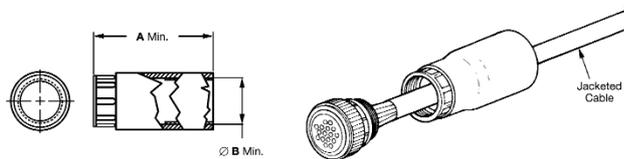
Sealing Caps

For Receptacles



Shell Size	Series	Dimension		Part Number	
		A	B	with Plastic Strap	with Metal Bead Chain
11	1	9.14	23.55	206903-1	208800-1
13	1	9.14	26.80	211870-1	213485-1
17	1 & 3	9.14	32.89	207445-1	208652-1
23	1 & 3	11.68	43.89	207446-1	208680-1

Cable Entry Seals -
Heat Shrinkable Sealing Boots



Shell Size	Dimension		Expanded Wall Thickness	Sealing Diameter Range	Max. Recovered Wall Thickness	Part Number
	A	B				
11	63.5	15.88	2.03 Ref.	6.60 - 15.25	2.59 Ref.	54010-1
13	63.5	19.68	2.03 Ref.	9.53 - 18.42	2.59 Ref.	54123-1
17	63.5	24.76	2.03 Ref.	10.16 - 22.22	2.59 Ref.	54011-1
17	76.2	24.76	2.03 Ref.	10.16 - 22.22	2.59 Ref.	54011-3
23	76.2	31.75	2.03 Ref.	13.97 - 31.75	2.59 Ref.	54012-1

*Product specifications
and drawings -
enter part number at*

www.tycoelectronics.com

M8 Connector System

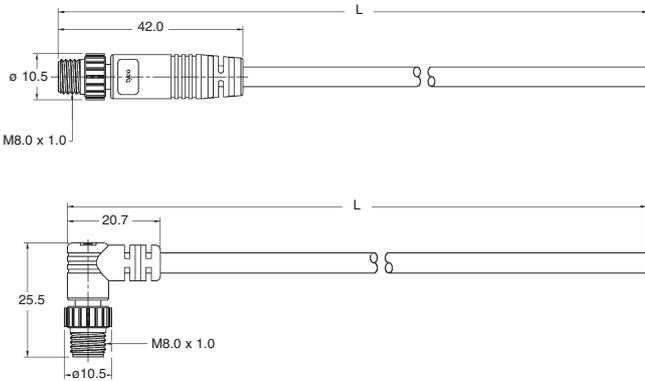
- Single end terminated cable assemblies
- Straight or right angle cable entry
- Overmoulded construction offers IP67 protection
- Panel mount products for solder termination

Specification:

Housing - PUR / GF nylon
Contacts - Brass, gold plated
Current Rating - 5A
Temperature Range - -20° to +80°C min

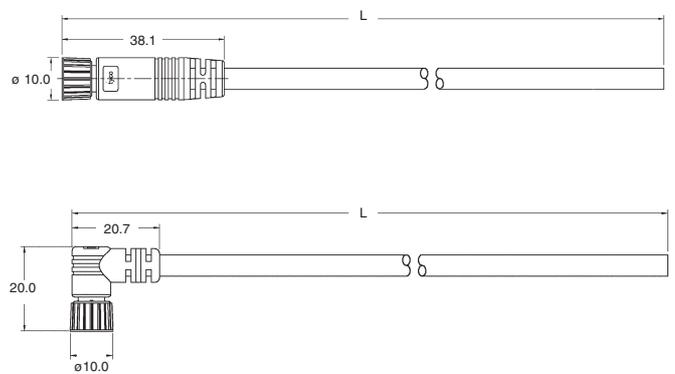


Male - Single End Terminated



No. of Positions	Cable	Length (L) Metres	Part Number	
			Straight	Right Angle
3	PVC	5	1838286-3	1838290-3
4	PVC	5	1838288-3	1838292-3

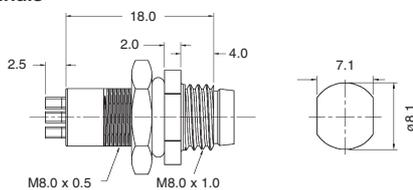
Female - Single End Terminated



No. of Positions	Cable	Length (L) Metres	Part Number	
			Straight	Right Angle
3	PVC	5	1838282-3	1838296-3
4	PVC	5	1838284-3	1838298-3

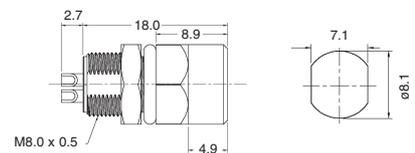
**Panel Mount Connectors
Double D Cutout, Hexagonal Front Flange**

**Male Solder Terminals
Rear Mount**



Positions	Part Number
3	1838838-1
4	1838838-2

**Female Solder Terminals
Rear Mount**



Positions	Part Number
3	1838839-1
4	1838839-2

M12 Connector System

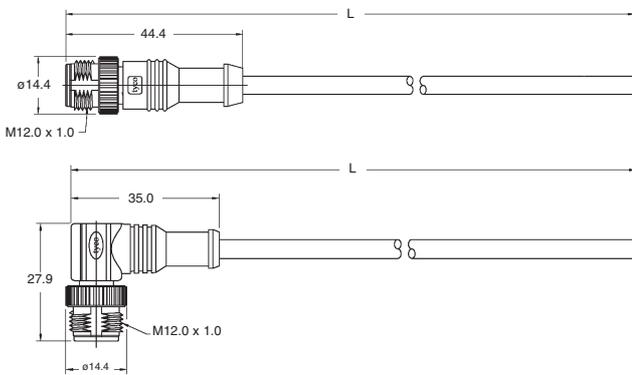
- Single end terminated cable assemblies
- Straight or right angle cable entry with LED indication option
- Overmoulded construction offers IP67 protection

Specification:

Housing - PUR
Contacts - Brass, gold plated
Current Rating - 5A
Temperature Range - -20° to +80°C

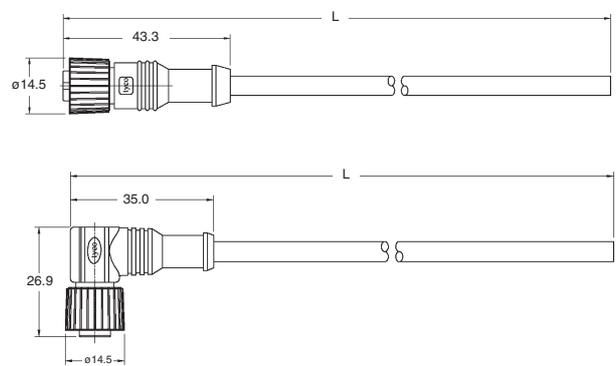


Male - Single End Terminated



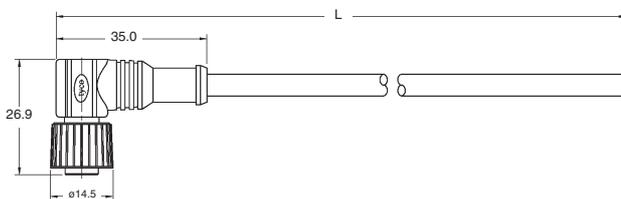
No. of Positions	Cable	Length (L) Metres	Part Number	
			Straight	Right Angle
3	PVC	5	1838236-3	1838248-3
4	PVC	5	1838238-3	1838250-3
5	PVC	5	1838240-3	1838252-3

Female - Single End Terminated



No. of Positions	Cable	Length (L) Metres	Part Number	
			Straight	Right Angle
3	PVC	5	1838242-3	1838254-3
4	PVC	5	1838244-3	1838256-3
5	PVC	5	1838246-3	1838258-3

Female Right Angle with LED Indication Single End Terminated



No. of Positions	Cable	Length (L) Metres	Part Number
3	PVC	5	1838264-3
4	PVC	5	1838266-3

M12 Connector System

- Field Serviceable products allow on site rewiring
- Panel mount products for solder termination

Specification:

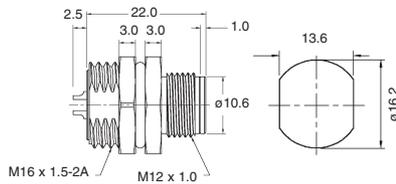
- Housing** - GF Nylon
Contacts - Brass, gold plated
Current Rating - 5A
Temperature Range - -25° to +90°C



Panel Mount Connectors

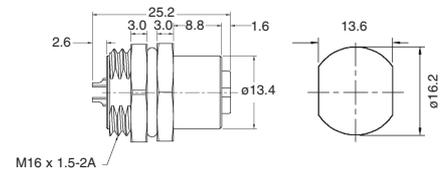
M16 Thread, Double D Cutout, Hexagonal Front Flange

Male Solder Terminals
Rear Mount



Positions	Part Number
3	1838893-1
4	1838893-2
5	1838893-3

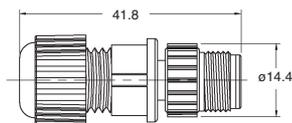
Female Solder Terminals
Rear Mount



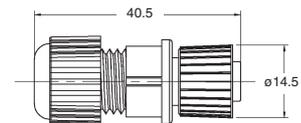
Positions	Part Number
3	1838891-1
4	1838891-2
5	1838891-3

Field Serviceable Connectors

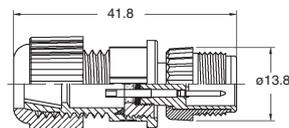
Male Metal



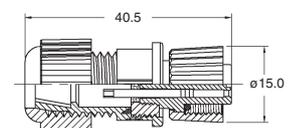
Female Metal



Male Plastic



Female Plastic



No. of Positions	Part Number Male		Part Number Female	
	Metal	Plastic	Metal	Plastic
3	1838275-1	1838277-1	1838274-1	1838276-1
4	1838275-2	1838277-2	1838274-2	1838276-2
5	1838275-3	1838277-3	1838274-3	1838276-3

HTS Connectors - Series HA.3

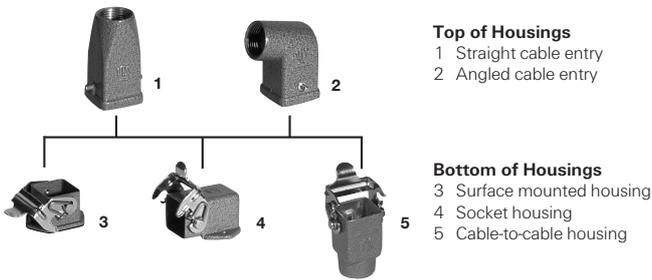
- IP44
- Metal locking leaves
- Silver plated contacts
- 3, 4, 5 or 7 positions

Specification:

Housing - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings



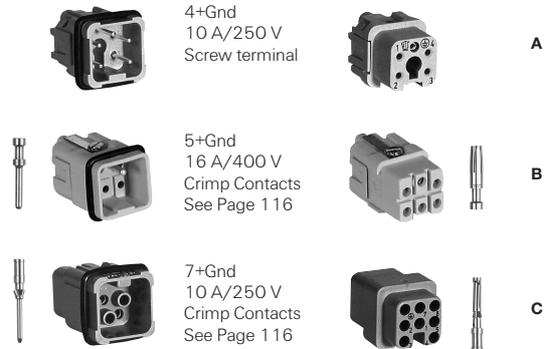
Top of Housings
 1 Straight cable entry
 2 Angled cable entry

Bottom of Housings
 3 Surface mounted housing
 4 Socket housing
 5 Cable-to-cable housing

Contact Inserts

Male Insert

Female Insert



Style	Product Description	Width	Length	Height	Part Number
1	HA.3.STO.1.M16.Z	26.5	26.5	52.0	1106405-1
2	HA.3.STW.1.M16.Z	26.5	40.0	49.0	1106406-1
3	HA.3.AG-LB	28.0	40.0	23.0	1-1102105-2
3	HA.3.AGD-LB	28.0	40.0	23.0	1-1102106-2
4	HA.3.SG-LB.1.M16.G	40.0	40.0	25.0	1106404-1
5	HA.3.KDO-LB.1.M16.Z	24.0	24.0	46.0	1106403-1
5	HA.3.KDOD-LB.1.11Z	24.0	24.0	56.0	1-1108759-2

AGD = surface mounted housing with lid
 KDOD = cable-to-cable housing with lid

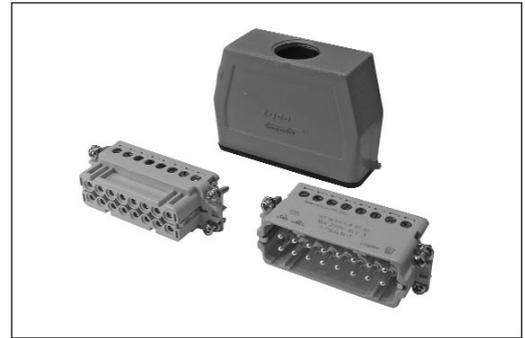
No.	Product Description	Style	Part Number
A	HA.3.Sti.S	Screw	1-1103400-1
A	HA.3.Bu.S	Screw	1-1103401-1
A	HA.4.Sti.S	Screw	1-1103402-1
A	HE.4.Bu.S	Screw	1-1103403-1
B	HE-Q.5.Sti.C	HE/HA Crimp Contact	1102195-1
B	HE-Q.5.Bu.C	HE/HA Crimp Contact	1102194-1
C	HN.D.7.Sti.C	HN.D Crimp Contact	2-1103100-3
C	HN.D.7.Bu.C	HN.D Crimp Contact	2-1103101-3

HTS Connectors - Series HA.16

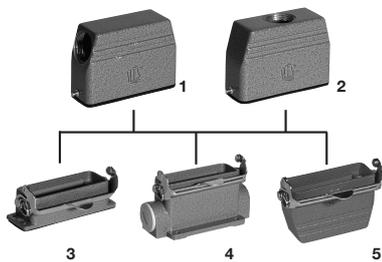
- IP65
- Metal locking leaves
- Silver plated contacts
- 16 or 25 positions

Specification:

Housing - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings



Top of Housings
 1 Side cable entry
 2 Straight cable entry

Bottom of Housings
 3 Surface mounted housing
 4 Socket housing
 5 Cable-to-cable housing

Contact Inserts

Male Insert



16+Gnd
 10 A/250 V
 Screw terminal
 Crimp terminal
 Spring clamp terminal

Female Insert



A



25+Gnd
 10 A/250 V
 Crimp Contacts
 See Page 116



B

Style	Product Description	Width	Length	Height	Part Number
1	HA.16.STS.1.M20.G	29.0	79.5	57.0	1106439-2
2	HA.16.STO.1.M20.G	29.0	79.5	57.0	1106439-1
3	HA.16.AG-LB	29.0	96.0	28.0	1-1102140-2
3	HA.16.AGD*-LB	29.0	96.0	28.0	1-1102141-2
4	HA.16.SG-LB.1.M20.Z	50.0	102.0	50.0	1103058-1
4	HA.16.SGD*-LB.1.M20.Z	50.0	102.0	50.0	1103058-2
5	HA.16.KDO-LB.1.M20.G	29.0	92.0	52.0	1106437-1

AGD*/SGD* = surface mounted/socket housing with lid

No.	Product Description	Style	Part Number
A	HA.16.Sti.S	Screw	1-1103416-1
A	HA.16.Bu.S	Screw	1-1103417-1
A	HA.16.Sti.C	HE/HA Crimp Contact	2-1103416-3
A	HA.16.Bu.C	HE/HA Crimp Contact	2-1103417-3
A	HA.16.Sti.SC	Spring Clamp	7-1103416-1
A	HA.16.Bu.SC	Spring Clamp	7-1103417-1
B	HN.D.25.Sti.C	HN.D Crimp Contact	2-1103108-3
B	HN.D.25.Bu.C	HN.D Crimp Contact	2-1103109-3



HTS Connectors - Series HB.6

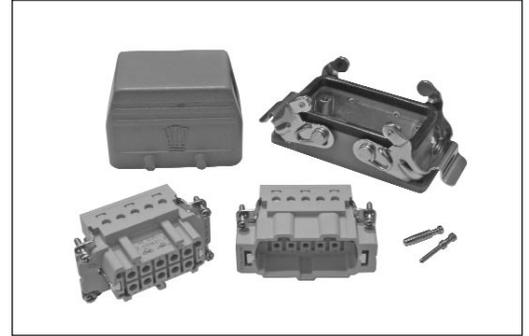
- IP65
- Metal locking leaves
- Silver plated contacts
- 6 or 24 positions

Specification:

Housing - Metal, powder coated

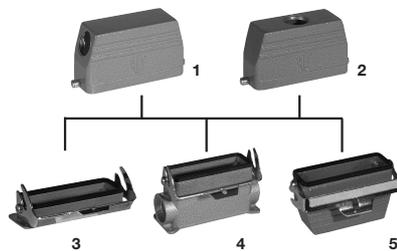
Inserts - UL94V-0

Temperature Range - -40°C to +125°C



Housings

LB- System (side clip = 1 clip)



Top of Housings

- 1 Cable entry from the side
- 2 Straight cable entry

Bottom of Housings

- 3 Surface mounted housing
- 4 Socket housing
- 5 Cable-to-cable housing

Contact Inserts

Male Insert



- 6+Gnd
- 16 A/400 V
- Screw terminal
- Crimp terminal
- Spring clamp terminal

Female Insert



- 24+Gnd
- 10 A/250 V
- Crimp Contacts
- See Page 116

Style	Product Description	Width	Length	Height	Part Number
1	HB.6.STS.1.M25.G	43.0	60.0	48.0	1106419-2
2	HB.6.STO.1.M25.G	43.0	60.0	48.0	1106419-1
3	HB.6.AG-LB	43.5	80.0	28.5	1-1102244-2
3	HB.6.AGD*LB	43.5	80.0	28.5	1-1102246-2
4	HB.6.SG-LB.1.M25.Z	52.0	83.0	49.5	1103062-1
4	HB.6.SGD*LB.1.M25.Z	52.0	82.0	49.5	1103062-2
5	HB.6.KDO-LB.1.M25.G	43.0	60.0	50.0	1106417-1

1	HD.16.STS.1.M32.G	43.0	60.0	70.0	1106423-2
2	HD.16.STO.1.M32.G	43.0	60.0	70.0	1106423-1
3	HD.16.SG-LB.2.M32.Z	57.0	83.0	50.0	1106422-2
4	HD.16.SGD*LB.2.M32.Z	57.0	83.0	73.5	1106422-1
5	HD.16.KDO-LB.1.M32.G	43.0	60.0	72.0	1106421-1

* With Lid

High Construction

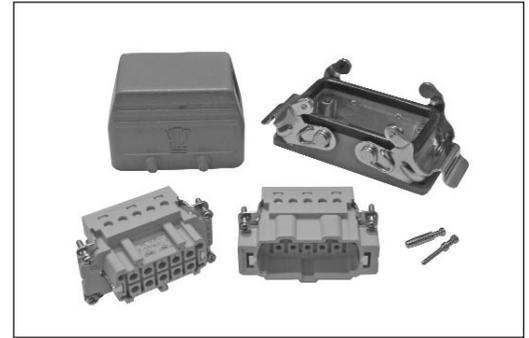
No.	Product Description	Style	Part Number
A	HE.6.Sti.S	Screw	1-1103634-1
A	HE.6.Bu.S	Screw	1-1103635-1
A	HE.6.Sti.C	HE/HA Crimp Contact	2-1103634-3
A	HE.6.Bu.C	HE/HA Crimp Contact	2-1103635-3
A	HE.6.Sti.SC	Spring Clamp	7-1103634-1
A	HE.6.Bu.SC	Spring Clamp	7-1103635-1
C	HN.2D.24.Sti.C	HN.D Crimp Contact	2-1103200-3
C	HN.2D.24.Bu.C	HN.D Crimp Contact	2-1103202-3

HTS Connectors - Series HB.10

- IP65
- Metal locking leaves
- Silver plated contacts
- 10 or 42 positions

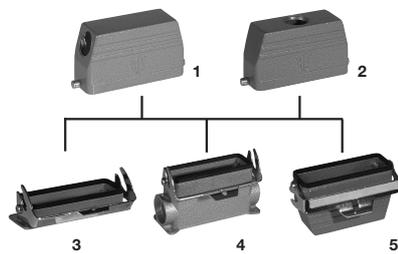
Specification:

Housing - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings

LB- System (side clip = 1 clip)



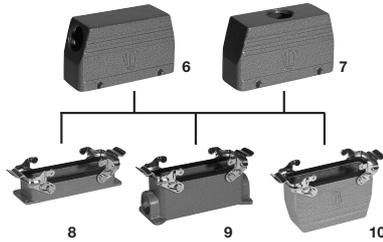
Top of Housings

- 1 Cable entry from the side
- 2 Straight cable entry

Bottom of Housings

- 3 Surface mounted housing
- 4 Socket housing
- 5 Cable-to-cable housing

VS- System (Locking system = 2 clips)



Top of Housings

- 6 Cable entry from the side
- 7 Straight cable entry

Bottom of Housings

- 8 Surface mounted housing
- 9 Socket housing
- 10 Cable-to-cable housing

Contact Inserts

Male Insert



10+Gnd
 16 A/400 V
 Screw terminal
 Crimp terminal
 Spring clamp terminal

Female Insert



A



42+Gnd
 10 A/250 V
 Crimp Contacts
 See Page 116



C

Style	Product Description	Width	Length	Height	Part Number
1	HB.10.STS-GR.1.M25.G	43.0	73.0	50.0	1106430-5
2	HB.10.STO-GR.1.M25.G	43.0	73.0	50.0	1106430-2
3	HB.10.AG-LB	43.5	93.0	28.5	1-1102271-2
3	HB.10.AGD*-LB	43.5	93.0	28.5	1-1102283-2
4	HB.10.SG-LB.2.M25.Z	52.0	94.0	53.5	1106429-3
4	HB.10.SGD*-LB.2.M25.Z	52.0	94.0	53.5	1106429-2
5	HB.10.KDO-LB.1.M25.G	43.0	73.0	55.5	1106428-1
1	HD.24.STS-GR.1.M32.G	43.0	73.0	57.0	1106434-5
2	HD.24.STO-GR.1.M32.G	43.0	73.0	70.0	1106434-2
3	HD.24.SG-LB.2.M32.Z	57.0	94.0	73.5	1106433-3
6	HB.10.STS.1.M25.G	43.0	73.0	50.0	1106430-4
7	HB.10.STO.1.16.G	43.0	73.0	50.0	1-1102267-6
8	HB.10.AG-VS	57.0	93.0	28.5	1-1102271-1
9	HB.10.SG-VS.1.M25.Z	57.0	94.0	55.5	1103059-1
10	HB.10.KDO-VS.1.M25.G	57.0	73.0	55.5	1106428-2
6	HD.24.STS.1.M32.G	43.0	73.0	70.0	1106434-4
7	HD.24.STO.1.M32.G	43.0	73.0	70.0	1106434-1
9	HD.24.SG-VS.2.M32.Z	56.0	94.0	74.0	1106433-4
10	HD.24.KDO-VS.1.M32.G	57.0	73.0	55.5	1106432-2

* With Lid

High Construction

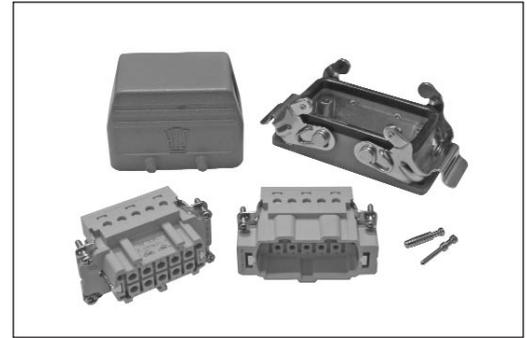
No.	Product Description	Style	Part Number
A	HE.10.Sti.S	Screw	1-1103636-1
A	HE.10.Bu.S	Screw	1-1103637-1
A	HE.10.Sti.C	HE/HA Crimp Contact	2-1103636-3
A	HE.10.Bu.C	HE/HA Crimp Contact	2-1103637-3
A	HE.10.Sti.SC	Spring Clamp	7-1103636-1
A	HE.10.Bu.SC	Spring Clamp	7-1103637-1
C	HN.2D.42.Sti.C	HN.D Crimp Contact	2-1103204-3
C	HN.2D.42.Bu.C	HN.D Crimp Contact	2-1103206-3

HTS Connectors - Series HB.16

- IP65
- Metal locking leaves
- Silver plated contacts
- 6, 16, 40 or 72 positions

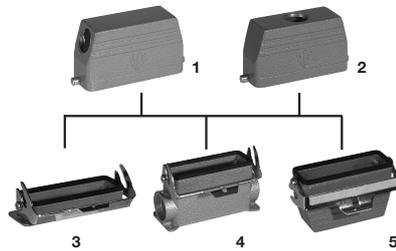
Specification:

Housing - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C



Housings

LB- System (side clip = 1 clip)



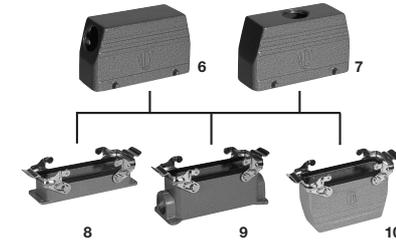
Top of Housings

- 1 Cable entry from the side
- 2 Straight cable entry

Bottom of Housings

- 3 Surface mounted housing
- 4 Socket housing
- 5 Cable-to-cable housing

VS- System (Locking system = 2 clips)



Top of Housings

- 6 Cable entry from the side
- 7 Straight cable entry

Bottom of Housings

- 8 Surface mounted housing
- 9 Socket housing
- 10 Cable-to-cable housing

Contact Inserts

Male Insert



16+Gnd
 16 A/400 V
 Screw terminal
 Crimp terminal
 Spring clamp terminal

Female Insert



A



40+Gnd
 10 A/250 V
 Crimp terminal



B



72+Gnd
 10 A/250 V
 Crimp Contacts
 See Page 116



C



6+Gnd
 35 A/400 V
 Screw terminal



D

Style	Product Description	Width	Length	Height	Part Number
1	HB.16.STS-GR.1.M25.G	43.0	93.5	60.0	3-1106449-4
2	HB.16.STO-GR.1.M32.G	43.0	33.5	60.0	1106449-2
3	HB.16.AG-LB	43.5	113.0	28.5	1-1102296-2
3	HB.16.AGD*-LB	43.5	113.0	28.5	1-1102305-2
4	HB.16.SG-LB.2.M25.Z	52.0	117.0	55.5	1106448-3
4	HB.16.SGD*-LB.2.M25.Z	52.0	117.0	55.5	1106448-2

1	HD.40.STS-GR.1.M32.G	43.0	93.5	76.0	1106452-5
2	HD.40.STO-GR.1.M32.G	43.0	93.5	76.0	1106452-2
4	HD.40.SG-LB.2.M32.Z	57.0	117.0	76.5	1106451-3
4	HD.40.SGD*-LB.2.M32.Z	57.0	117.0	76.5	1106451-2
5	HD.40.KDO-LB.1.M32.G	43.0	93.5	79.5	1106450-1

6	HB.16.STS.1.M25.G	43.0	93.5	60.0	2-1106449-5
7	HB.16.STO.1.M32.G	43.0	93.5	60.0	1106449-1
8	HB.16.AG-VS	57.0	113.0	4.5	1-1102296-1
9	HB.16.SG-VS.1.M25.Z	57.0	117.0	55.5	1103060-1

6	HD.40.STS.1.M32.G	43.0	93.5	76.0	1106452-4
7	HD.40.STO.1.M32.G	43.0	93.5	76.0	1106452-1
9	HD.40.SG-VS.1.M32.Z	57.0	117.0	76.5	1103082-1
10	HD.40.KDO-VS.1.M32.G	57.0	93.5	79.5	1106450-2

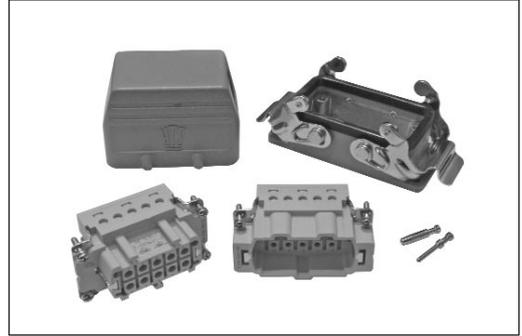
* With Lid

High Construction

No.	Product Description	Style	Part Number
A	HE.16.Sti.S	Screw	1-1103638-1
A	HE.16.Bu.S	Screw	1-1103639-1
A	HE.16.Sti.C	HE/HA Crimp Contact	2-1103638-3
A	HE.16.Bu.C	HE/HA Crimp Contact	2-1103639-3
A	HE.16.Sti.SC	Spring Clamp	7-1103638-1
A	HE.16.Bu.SC	Spring Clamp	7-1103639-1
B	HN.D.40.Sti.C	HN.D Crimp Contact	2-1103110-3
B	HN.D.40.Bu.C	HN.D Crimp Contact	2-1103111-3
C	HN.2D.72.Sti.C	HN.D Crimp Contact	2-1103208-3
C	HN.2D.72.Bu.C	HN.D Crimp Contact	2-1103212-3
D	HSB.6/35.Sti.S	Screw	1-1104204-1
D	HSB.6/35.Bu.S	Screw	1-1104205-1

HTS Connectors - Series HB.24

- IP65
- Metal locking leaves
- Silver plated contacts
- 24, 64, 108 positions

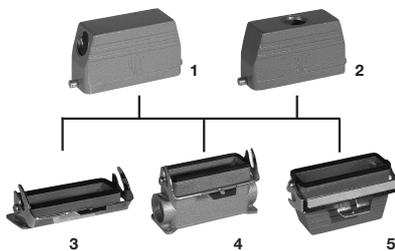


Specification:

- Housing** - Metal, powder coated
Inserts - UL94V-0
Temperature Range - -40°C to +125°C

Housings

LB- System (side clip = 1 clip)



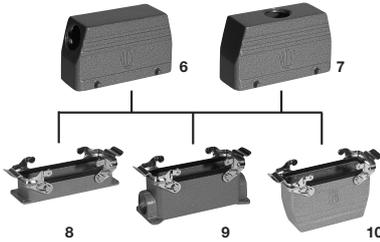
Top of Housings

- 1 Cable entry from the side
- 2 Straight cable entry

Bottom of Housings

- 3 Surface mounted housing
- 4 Socket housing
- 5 Cable-to-cable housing

VS- System (Locking system = 2 clips)



Top of Housings

- 6 Cable entry from the side
- 7 Straight cable entry

Bottom of Housings

- 8 Surface mounted housing
- 9 Socket housing
- 10 Cable-to-cable housing

Contact Inserts

Male Insert



- 24+Gnd
16 A/400 V
Screw terminal
Crimp terminal
Spring clamp terminal

Female Insert



A



- 64+Gnd
10 A/250 V
Crimp terminal



B



- 108+Gnd
10 A/250 V
Crimp Contacts
See Page 116



C

Style	Product Description	Width	Length	Height	Part Number
1	HB.24.STS-GR.1.M32.G	43.0	120.0	70.0	1106465-5
2	HB.24.STO-GR.1.M32.G	43.0	120.0	70.0	1106465-2
3	HB.24.AG-LB	43.5	140.0	28.5	1-1102291-2
3	HB.24.AGD*LB	43.5	140.0	28.5	1-1102340-2
4	HB.24.SG-LB.2.M25.Z	57.0	144.0	55.5	1106464-3
4	HB.24.SGD*LB.1.M25.Z	57.0	144.0	55.5	1103061-3
1	HD.64.STS-GR.1.M32.G	43.0	120.0	78.0	1106470-5
2	HD.64.STO-GR.1.M32.G	43.0	120.0	78.0	1106470-2
4	HD.64.SG-LB.2.M32.Z	57.0	144.0	78.5	1106469-3
4	HD.64.SGD*LB.2.M32.Z	57.0	144.0	78.5	1106469-2
5	HD.64.KDO-LB.1.M32.G	42.75	120.0	81.5	1106468-1
6	HB.24.STS.1.M32.G	43.0	120.0	70.0	1106465-4
7	HB.24.STO.1.M32.G	43.0	120.0	70.0	1106465-1
8	HB.24.AG-VS	57.0	140.0	28.5	1-1102291-1
9	HB.24.SG-VS.1.M25.Z	57.0	144.0	55.5	1103061-1
6	HD.64.STS.1.M40.G	43.0	120.0	78.0	1-1106470-9
7	HD.64.STO.1.M40.G	43.0	120.0	78.0	3-1106470-0
9	HD.64.SG-VS.1.M32.Z	57.0	144.0	78.5	1103083-1
10	HD.64.KDO-VS.1.M32.G	57.0	120.0	81.5	1106468-2

* With Lid

High Construction

No.	Product Description	Style	Part Number
A	HE.24.Sti.S	Screw	1-1103640-1
A	HE.24.Bu.S	Screw	1-1103641-1
A	HE.24.Sti.C	HE/HA Crimp Contact	2-1103640-3
A	HE.24.Bu.C	HE/HA Crimp Contact	2-1103641-3
A	HE.24.Sti.SC	Spring Clamp	7-1103640-1
A	HE.24.Bu.SC	Spring Clamp	7-1103641-1
B	HN.D.64.Sti.C	HN.D Crimp Contact	2-1103112-3
B	HN.D.64.Bu.C	HN.D Crimp Contact	2-1103113-3
C	HN.2D.108.Sti.C	HN.D Crimp Contact	2-1103216-3
C	HN.2D.108.Bu.C	HN.D Crimp Contact	2-1103220-3

HTS Glands & Contacts

- Original accessories for Heavy Duty connectors
- Universal crimping tool for HE/HA and HND contacts

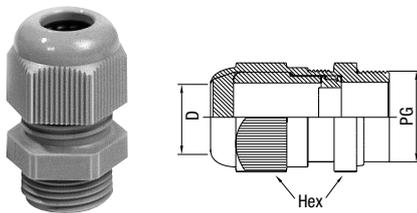
Specification:

Glands - IP68
Contacts - Silver plated



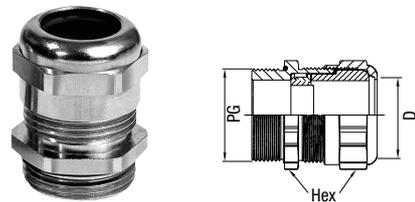
Cable Fittings and Accessories

Gland Fitting - Plastic



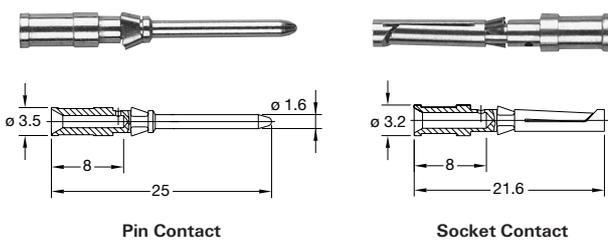
Designation	Size	D (min)	Dimension D (max)	Hex	Part Number
HUT.M16.P	M16	4	8	22	1-1102771-6
HUT.M20.P	M20	6	12	24	2-1102771-0
HUT.M25.P	M25	10	14	29	2-1102771-5
HUT.M32.P	M32	13	18	36	3-1102771-2
HUT.M40.P	M40	18	25	46	4-1102771-0

Gland Fitting - Brass



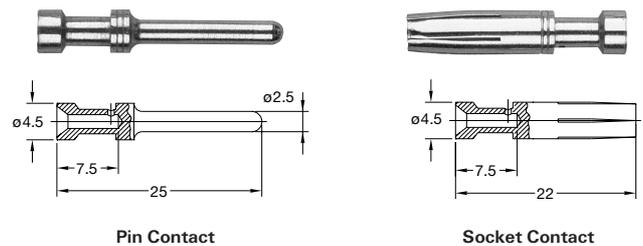
Designation	Size	D (min)	Dimension D (max)	Hex	Part Number
HUT.M16.MS	M16	5	10	17	1-1102770-6
HUT.M20.MS	M20	6	12	22	2-1102770-0
HUT.M25.MS	M25	13	18	27	2-1102770-5
HUT.M32.MS	M32	18	25	34	3-1102770-2
HUT.M40.MS	M40	22	32	43	4-1102770-0

**Crimp Contacts - Series HN.D
Silver plated**



Wire Cross Section	Part Number	
	Pin	Socket
0.14 - 0.37	1-1105050-1	1-1105051-1
0.50	2-1105050-1	2-1105051-1
0.75 - 1.00	3-1105050-1	3-1105051-1
1.50	4-1105050-1	4-1105051-1
2.50	5-1105050-1	5-1105051-1

**Crimp Contacts - Series HA/HE
Silver plated**



Wire Cross Section	Part Number	
	Pin	Socket
0.50	1-1105100-1	1-1105101-1
0.75 - 1.00	2-1105100-1	2-1105101-1
1.50	3-1105100-1	3-1105101-1
2.50	4-1105100-1	4-1105101-1
4.00	5-1105100-1	5-1105101-1

ZDC RF Coax Connectors - 50 & 75 Ohm - Commercial

- RoHS compliant coax crimp & PCB styles
- Precision zinc die cast construction
- Interface meets MIL-STD 348A
- Terminates to popular coax cables

Specification:

Impedance - 50 & 75ohm
Frequency range - DC - 4GHz
Temperature range - -55°C to +85°C



BNC Straight Plug Crimp

Ohms	Cable Group	Part Number
50	RG174	5-1634500-1
50	RG58	5-1634500-2
75	RG179	5-1634502-4
75	RG59	5-1634502-2
75	RA7000/IMAGE360	5-1634502-1



BNC Straight Jack Crimp

Ohms	Cable Group	Part Number
50	RG174	5-1634511-1
50	RG58	5-1634511-2
75	RG179	5-1634514-1



BNC Bulkhead Jack Rear Mount

Ohms	Cable Group	Part Number
50	RG58	5-1634516-1
75	RG59	5-1634516-5



BNC Bulkhead Socket Front Mount

Ohms	Cable Group	Part Number
50	-	5-1634523-1
75	-	5-1634523-2



BNC Bulkhead Socket Rear Mount

Ohms	Cable Group	Part Number
75	-	5-1634518-3



BNC Insulated Bulkhead Socket

Ohms	Cable Group	Part Number
50	-	5-1634504-1
75	-	5-1634504-2



BNC Elbow PCB Socket - Insulated*

Ohms	Description	Part Number
50	White Low Profile	1-1337542-0
50	White Std Profile	1-1337543-0
50	Black Low Profile	1-1634613-0
50	Black Std Profile	1-1634612-0
75	White Low Profile	1-1478031-0
75	White Std Profile	1-1478032-0
75	Black Low Profile	1-1634624-0
75	Black Std Profile	1-1634622-0



BNC Elbow PCB Socket - Metal*

Ohms	Description	Part Number
50	Metal Std Profile	1-1337494-0
75	Metal Std Profile	1-1634508-0



*BNC PCB Accessories for Noted Series

Description	Part Number
Lockwasher	1-1634817-0
Hex Nut	1-1634816-0



BNC Straight PCB Socket - Insulated*

Ohms	Description	Part Number
50	White	1-1337541-0
50	Black	1-1634505-0
75	White	1-1478033-0
75	Black	1-1634629-0



BNC Straight PCB Socket - Metal

Ohms	Description	Part Number
50	Metal	5-1634503-1
75	Metal	5-1634503-3



BNC Straight PCB Socket - Insulated*

Ohms	Description	Part Number
50	Jack - Jack	5-1634534-1



BNC T - Adaptors

Ohms	Description	Part Number
50	Jack - Plug - Jack	5-1634532-1



ZDC RF Coax Connectors - 50 & 75 Ohm - Commercial

- RoHS compliant coax crimp & PCB styles
- Precision zinc die cast construction
- Interface meets MIL-STD 348A
- Terminates to popular coax cables

Specification:

Impedence - 50 & 75ohm
Frequency range - DC - 4GHz
Temperature range - -55°C to +85°C



BNC Bulkhead Adapters Jack - Jack

Plating	Part Number
Nickel/Gold	5-1634530-1

BNC Elbow Adapter Plug Jack

Plating	Part Number
Nickel/Gold	5-1634526-1

BNC T Adapters

Plating	Part Number
Nickel/Gold	5-1634535-1

TNC Straight Plugs, Crimp

Ohms	Cable Group	Part Number
50	RG 58	5-1814800-3
75	RG 59	5-1814801-3

TNC Bulkhead Sockets Front Mount

Ohms	Description	Part Number
50	Solder	5-1814804-1
75	Solder	5-1814804-3

TNC Insulated Elbow PCB Sockets

Ohms	Description	Part Number
50	White Standard Profile	5-1814807-1

UHF Bulkhead Socket Rear Mount

Plating	Part Number
Nickel/Gold	5-1814815-1

M-UHF Straight Plugs Crimp

Ohms	Cable Group	Part Number
50	RG 58	5-1814818-1

BNC Bulkhead Sockets Edge Mount

Ohms	Description	Part Number
50	End Launcher	5-1634521-1

BNC Elbow PCB Sockets

Ohms	Description	Part Number
50	Metal	5-1634513-1

BNC Straight PCB Sockets

Ohms	Description	Part Number
50	Metal	5-1634506-1
75	Metal	5-1634506-2

TNC Bulkhead Jacks Rear Mount, Crimp

Ohms	Description	Part Number
50	RG 58	5-1814802-3

TNC Straight PCB Sockets

Ohms	Description	Part Number
50	Metal	5-1814805-1

UHF Bulkhead Socket Front Mount

Plating	Part Number
Nickel/Gold	5-1814814-1

UHF Panel Sockets

Plating	Part Number
Nickel/Gold	5-1814816-1

M-UHF Straight Jacks Crimp

Ohms	Cable Group	Part Number
50	RG 58	5-1814819-1

ZDC RF Coax Connectors - 50 & 75 Ohm - Commercial

- RoHS compliant coax crimp & PCB styles
- Precision die cast construction
- Interface meets MIL-STD 348A
- Terminates to popular coax cables

Specification:

Impedence - 50 & 75ohm
Frequency range - DC - 4GHz
Temperature range - -55°C to +85°C



M-UHF Elbow PCB Socket

Ohms	Description	Part Number
50	Metal	5-1814820-1

F Straight Plugs Crimp

Ohms	Cable Group	Part Number
75	RG 59	5-1814821-1
75	RG 6	5-1814821-3
75	CT 125	5-1814821-7

F Straight Plugs Twist-On

Ohms	Cable Group	Part Number
75	RG 59	5-1814822-1
75	RG 6	5-1814822-3
75	CT 100	5-1814822-5
75	CT 125	5-1814822-7

F Bulkhead Jack Rear Mount Crimp

Ohms	Description	Part Number
75	RG 59	5-1814826-1
75	RG 6	5-1814826-3

F Bulkhead Sockets Front Mount

Ohms	Description	Part Number
75	Solder	5-1814823-1

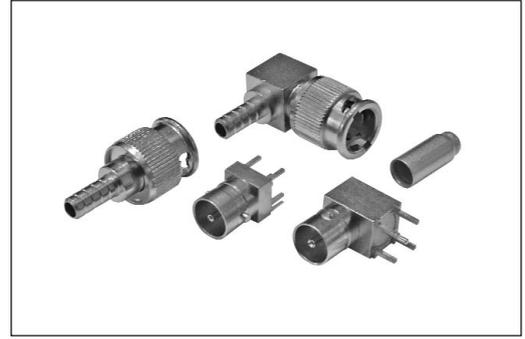
F Straight PCB Sockets

Ohms	Description	Part Number
75	Metal	5-1814825-1



RF Coax Connectors - 50 & 75 Ohm - Industrial

- Industry standard
- Wide range to suit all applications



Compression Coax - Board to Board

Stacking Height (mm)	Part Number
14 +/- 1	619127-1
10 +/- 1	619134-1
6.65 +/- 0.4	619135-1
4 +/- 0.3	1658260-1



BNC Decoupled Connectors



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Capacitance	Voltage Rating	Part Number
PCB / Panel Mount	Jack - Decoupled to Panel	Vertical	50	Through Hole	9400pF	1500VDC	5413476-2
PCB / Panel Mount	Jack - Decoupled to Panel	Right Angle	50	Through Hole	9400pF	1500VDC	5413524-2
PCB / Panel Mount	Jack - Decoupled to Panel - Low Profile	Right Angle	50	Through Hole	9400pF	1500VDC	5413515-2
PCB / Panel Mount	Jack - Decoupled to Panel - Low Profile	Right Angle	75	Through Hole	9400pF	1500VDC	5414094-2
PCB / Panel Mount	Jack - Decoupled to Panel - Ultra Low Profile	Right Angle	75	Through Hole	9400pF	1500VDC	5415103-1
PCB / Panel Mount	Jack - Decoupled to Panel - Low Profile - ESD Protected	Right Angle	50	Through Hole	7900pF	1500VDC	5414651-3
PCB / Panel Mount	Jack - Decoupled to Panel - Low Profile - ESD Protected	Right Angle	75	Through Hole	9400pF	1500VDC	5415085-1

BNC Self Terminating Connectors

Connector Type	Mounting Style	Orientation	Impedance (Ohms)	Termination Style	Part Number
Jack	PCB / Panel Mount	Right Angle	75	Through Hole	5414367-2

Mini BNC



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
Cable	Plug	Vertical	75	Crimp	735A	1274563-1
Cable	Plug	Vertical	75	Crimp	RG 179	1274563-3
Cable	Plug	Right Angle	75	Crimp	735A	1274566-1
Cable	Plug	Right Angle	75	Crimp	RG 179	1274566-3
Cable	Bulkhead Jack	Vertical	75	Crimp	735A	1274568-1
Cable	Bulkhead Plug	Vertical	75	Crimp	RG 179	1274568-3
PCB	Jack	Vertical	75	Through Hole	-	1274571-1
PCB	Jack	Right Angle	75	Through Hole	-	1274572-1
PCB	Bulkhead Jack	Right Angle	75	Through Hole	-	1274584-1

RF Coax Connectors - 50 & 75 Ohm - Industrial (continued)

SMA



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
PCB	Jack	Vertical	50	Through Hole	-	1470510-1
PCB	Jack	Right Angle	50	Through Hole	-	1470509-1

SMB



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
Cable	Plug	Vertical	50	Crimp	RG 174, 188, 316	413985-1
Cable	Plug	Right Angle	50	Crimp	RG 174, 188, 316	414002-5
Cable	Plug	Right Angle	50	Crimp	RG 174, 188, 316	414002-4
Cable	Jack	Vertical	50	Crimp	RG 174, 188, 316	5414170-1
Cable	Jack	Vertical	50	Crimp	RG 174, 196	5414170-2
Cable	Bulkhead Jack	Vertical	50	Crimp	RG 174, 188, 316	5228217-1
PCB	Jack	Vertical	50	Through Hole	-	413990-2
PCB	Jack	Right Angle	50	Through Hole	-	1470513-1
Bulkhead Adaptor	Jack / Jack	Vertical	50	-	-	228553-1

QMA (Push-On SMA)



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
Cable	Plug	Vertical	50	Solder	RG 402	1408346-1
Cable	Plug	Vertical	50	Solder	RG 174, 188, 316	1408333-1
Cable	Plug	Right Angle	50	Solder	RG 402	1408347-1
Cable	Plug	Right Angle	50	Solder	RG 174, 188, 316	1408336-1
Cable	Bulkhead Jack	Vertical	50	Solder	RG 402	1408349-1
Cable	Bulkhead Jack	Vertical	50	Solder	RG 174, 188, 316	1408339-1
PCB	Jack	Vertical	50	Through Hole	-	1408332-1
PCB	Jack	Right Angle	50	Through Hole	-	1408337-1
Flange	Jack	Vertical	50	4 Hole	-	1408341-1

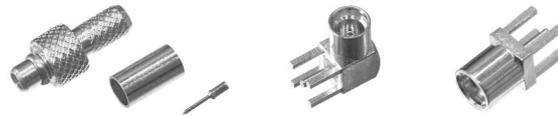
RF Coax Connectors - 50 & 75 Ohm - Industrial (continued)

MCX



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
PCB	Jack	Vertical	50	Through Hole	-	1470512-1
PCB	Jack	Right Angle	50	Through Hole	-	1470511-1

MMCX



Mounting Style	Connector Type	Orientation	Impedance (Ohms)	Termination Style	Cable Type	Part Number
Cable	Plug	Vertical	50	Crimp	RG 178, 196	1408148-1
Cable	Plug	Right Angle	50	Crimp	RG 178, 196	1408149-1
PCB	Plug	Vertical	50	Through Hole	-	1408120-1
PCB	Jack	Vertical	50	Through Hole	-	1408150-1
PCB	Jack	Right Angle	50	Through Hole	-	1408151-1
PCB	Jack	Vertical	50	SMT	-	6-1460820-1

Quick Lock Connectors



Series	Connector Type	Orientation	Cable Type	Part Number
SMA	Cable Plug	Straight	RG316	1408541-1
SMA	Cable Plug	Right Angle	RG316	1274694-1
N (QLN)	Cable Plug	Straight	RG142	1274688-1
N (QLN)	Cable Plug	Right Angle	RG58	1274804-1
N (QLN)	Cable Jack	Bulkhead	RG58	1274734-1
N (QLN)	Cable Jack	4-Hole Square Flange	RG58	1274735-1
N (QLN)	Panel Mount Jack	4-Hole Square Flange	Solder	1274662-1

Ultra Miniature Coax Connector Cable Assemblies



Type	Assembly Type	Mating Connector	Length (mm)	Mated Height (mm)	Part Number
Cable Assembly	Double ended	Receptacle - Style A	100	-	1750108-1
Cable Assembly	Double ended	Receptacle - Style B	100	-	1750109-1
Cable Assembly	UMCC Plug to SMA Plug	-	200	2.50	1750110-4
Cable Assembly	UMCC Plug to SMA Bulkhead Jack	-	200	2.50	1750110-6

Ultra Miniature Coax Connectors (UMCC)



Type	Connector Type	Orientation	Termination Style	Mated Height (mm)	Part Number
PCB	Receptacle - Style A	Vertical	Surface Mount	2.00 / 2.50	1566230-1
PCB	Receptacle - Style B	Vertical	Surface Mount	2.00	1775146-1

RF Coax Connectors - 50 & 75 Ohm - Industrial (continued)

Coax Terminator

Type	Part Number
Din 1.0 / 2.3 Plug	5-619219-1
SMA Plug	1460802-1
SMC Plug	1460803-1
QMA Plug	619271-1



Between Series Adaptors

Adaptor Type	Part Number
BNC Bulkhead Jack - SMA Jack	1058117-1
BNC Jack - 75 Ohm SMB Jack	1311209-1
BNC Jack - N Series Plug	1057390-1
BNC Jack - SMB Plug	1058077-1
BNC Plug - N Series Jack	1057392-1
MCX Plug - SMA Plug	1061071-1
N Series Jack - TNC Plug	1057388-1
SMA 18Ghz Jack - N Series Bulkhead Jack	1058675-1
SMA 18Ghz Jack - N Series Jack	1058651-1
SMA 18Ghz Jack - N Series Plug	1057377-1
SMA 18Ghz Jack - OSP (BMA) Bulkhead Plug	1059756-1
SMA 18Ghz Plug - N Series Jack	1058664-1
SMA 18Ghz Plug - N Series Plug	1057367-1
SMA Jack - BNC Jack	1058058-1
SMA Jack - BNC Plug	1058081-1
SMA Jack - N Series Jack	1057341-1
SMA Jack - SMB Plug	1060498-1
SMA Jack - TNC Bulkhead Jack	1057908-1
SMA Jack - N Bulkhead Jack	1057343-1
SMA Jack - N series Flange Mount Jack	1057463-1
SMA Plug - BNC Jack	1058083-1
SMA Plug - N Series Flange Mount Jack	1057385-1
SMA Plug - N Series Jack	1057381-1
SMA Plug - SMB Jack	1060500-1
SMB Jack - SMA Jack	1060487-1
TNC Flange Mount Jack - SMA Jack	1057841-1
TNC Jack - BNC Jack	1057845-1
TNC Jack - N Series Plug	1057387-1
TNC Plug - SMA Jack	1057853-1
QMA Jack - SMA Plug	1408343-1
QMA Plug - SMA Plug	1408393-1

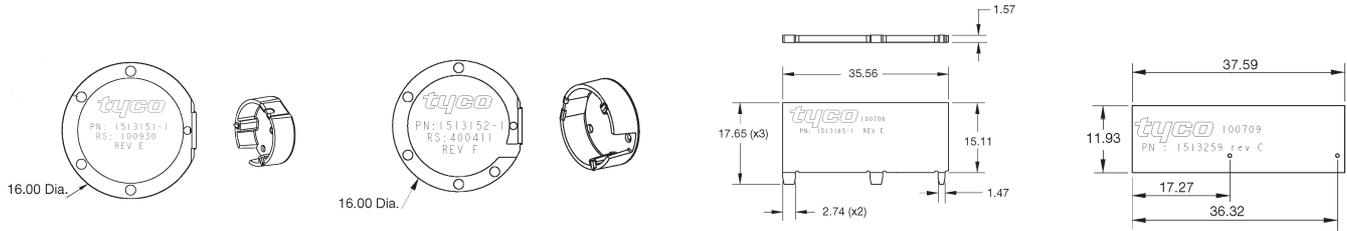


PCB Mount Antennas

- Low profile, high performance
- Molded or PCB antennas
- Adjustment free technology

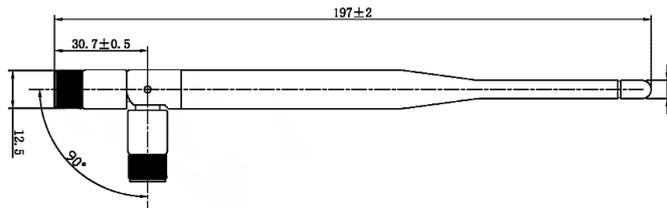


PCB Mount Antennas



Application	Mounting Style	Frequency (MHz)	Part Number
GPS	SMT	1565 - 1585	1513152-1
Wlan 802.11b	SMT	2400 - 2500	1513151-1
GSM	Through Hole	824 - 960	1513165-1
GSM	SMT	880 - 960 1710 - 1990	1513259-1
Wlan Dual Band	SMT	2400 - 2500 4900 - 5900	1513164-1
Wlan Single Band	SMT	2400 - 2500	1513504-1

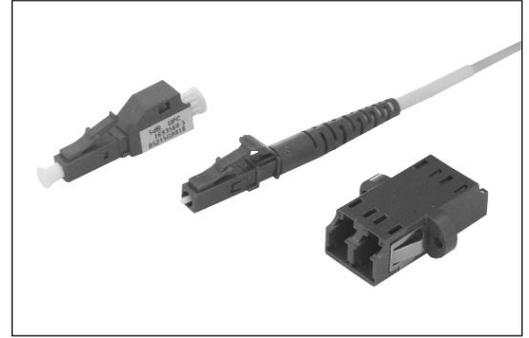
External Antennas



Application	Mounting Style	Frequency (MHz)	Gain	Part Number
Wlan Single Band	Reverse Pole SMA Connector	2400 - 2500	2 dBi	1857661-1
Wlan Single Band	Reverse Pole SMA Connector	2400 - 2500	5 dBi	1857522-1
Wlan Dual Band	Reverse Pole SMA Connector	2400 - 2500 + 5100 - 5800	2 - 3 dBi	1770429-1
Wlan Dual Band	200mm Coax cable with UMCC Connector	2400 - 2500 + 5100 - 5800	1.5 - 4.5 dBi	1982018-1

Fibre Optic Products

- Industry standard interfaces
- Single or multi-mode fibre
- High density connector for use in small form-factor applications



Adaptors

Adaptor Style	Cut Out Style	Features	Colour	Part Number
Duplex LC Flanged Adaptor	SC	Ceramic Sleeve	Blue	6457567-4
Duplex LC Flanged Adaptor	SC	Ceramic Sleeve	Green	6457567-6
Duplex LC Flanged Adaptor	SC	Metal Sleeve	Beige	6457567-8
Simplex SC to SC Adaptor	Flanged	Ceramic Sleeve	Blue	1-5502632-1
Simplex SC to SC Adaptor	Flanged	Ceramic Sleeve	Green	2-106901-6
Simplex FC Adaptor	Standard Slot	Ceramic Sleeve	-	5504407-3

Connection Kits

Connector Style	Part Number
LC Single Mode Simplex 1.6 - 2.0mm Connector Kit	6588709-1
LC Single Mode Simplex 0.9mm Connector Kit	6588710-1
LC Duplex Single Mode Clip - Colour Blue	1374728-1
LC Multi Mode Simplex 1.6 - 2.0mm Connector Kit	6588705-1
LC Multi Mode Simplex 0.9mm Connector Kit	6588706-1
LC Duplex Multi Mode Clip - Colour Beige	1374728-2
SC Single Mode Simplex 2mm Connector Kit	5504934-2
SC Single Mode Simplex 0.9mm Connector Kit	5492123-1
SC Multi Mode Simplex 2.0mm Connector Kit	5504931-1
SC Multi Mode Simplex 0.9mm Connector Kit	5504932-1
SC Duplex Clip - Colour Black	6348522-1
FC Single Mode Simplex 2.0mm Connector Kit	5504915-2
FC Single Mode Simplex 0.9mm Connector Kit	5504649-1

Fibre Assemblies

Product Style	Fibre Type	Length (metres)	Part Number
LC/PC to 0.9mm Pigtail	Single Mode	2	6536880-2
SC/PC to 0.9mm Pigtail	Single Mode	2	5233582-2
LC/PC to LC/PC	Multi Mode OM3 Duplex	3	6536969-3
LC/PC to SC/PC	Single Mode Duplex	3	6536508-3
LC/PC to SC/PC	Multi Mode 62 Duplex	3	6536510-3
SC/PC to SC/PC	Multi Mode 50 Duplex	3	5349565-3
SC/PC to SC/PC	Multi Mode 62 Duplex	3	5349578-3

Optical Build Out Attenuators

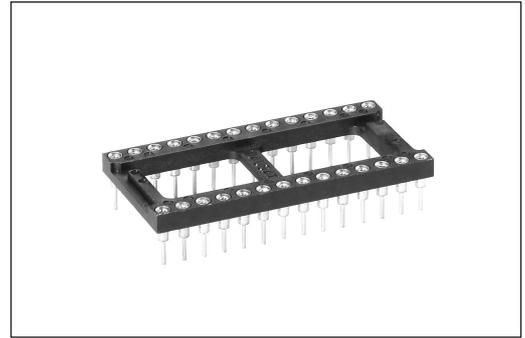
Product Style	Fibre Type	Part Number
LC/UPC, Broadband, Bandpass 3 dB	Single Mode	1693560-3
LC/UPC, Broadband, Bandpass 5 dB	Single Mode	1693560-5
LC/UPC, Broadband, Bandpass 10 dB	Single Mode	1-1693560-0

DIP Sockets - Four-Fingered Contact Open Insulator

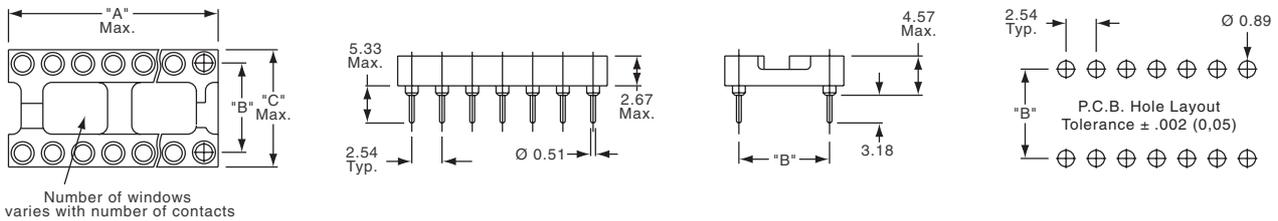
- Machined brass body RoHS tin plate
- Precision four finger contact
- Funnel entry for ease of entry
- Non solder wicking design

Specification:

- Housing** - Polyester glass filled
UL94V-0
- Contacts** - Beryllium copper gold flash
- Current Rating** - 3A



800 Series



No. of Positions	A	Dimension B	C	Centreline	Contact	Sleeve	Augat Number	Tyco Part Number
8	10.16	7.62	10.16	7.62	Low Gold	Tin	808-AG11D ESL	2-1571552-2
14	17.78	7.62	10.16	7.62	Low Gold	Tin	814-AG11D ESL	2-1571552-3
16	20.32	7.62	10.16	7.62	Low Gold	Tin	816-AG11D ESL	2-1571552-4
18	22.86	7.62	10.16	7.62	Low Gold	Tin	818-AG11D ESL	2-1571552-5
20	25.40	7.62	10.16	7.62	Low Gold	Tin	820-AG11D ESL	2-1571552-6
22	27.94	10.16	12.70	10.16	Low Gold	Tin	822-AG11D ESL	2-1571552-7
24	30.48	7.62	10.16	7.62	Low Gold	Tin	824-AG11D ESL	2-1571552-8
28	35.56	15.24	17.78	15.24	Low Gold	Tin	828-AG11D ESL	2-1571552-9
32	40.64	15.24	17.78	15.24	Low Gold	Tin	832-AG11D ESL	3-1571552-0
36	45.72	15.24	17.78	15.24	Low Gold	Tin	836-AG11D ESL	3-1571552-1
40	50.80	15.24	17.78	15.24	Low Gold	Tin	840-AG11D ESL	3-1571552-2
42	53.34	15.24	17.78	15.24	Low Gold	Tin	842-AG11D ESL	3-1571552-3
48	60.96	15.24	17.78	15.24	Low Gold	Tin	848-AG11D ESL	3-1571552-4
64	81.28	22.86	25.40	22.86	Low Gold	Tin	864-AG11D ESL	3-1571552-5

*Product specifications
and drawings -
enter part number at*

www.tycoelectronics.com

Holtite Zero Profile Solderless Sockets

- Designed for press-fit into plated through holes
- Precision machined
- Lowest socket profile
- Unique design ensures no damage to pcb hole

Specification:

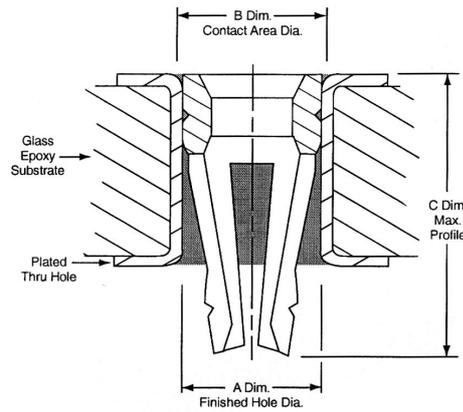
Contacts - Beryllium copper

Recommended

Hole Size - 1.4mm



Holtite Series



Recommended Lead Size	Recommended Primary Drill Size	Dimension			Board Thickness	Augat Part Number	Tyco Part Number
		A	B	C			
Rectangular Lead 0.28 x 0.46 Diameter or Round Lead 0.406 - 0.531 Diameter	1.15	1.04	1.12	2.54	0.75	8134-HC-5P2 (Gold)	6-1437514-6 (Gold)
Round Lead 0.51 - 0.76 Diameter	1.61	1.47	1.59	3.56	0.75	8134-HC-5P3 (Tin/Lead)	6-1437514-7 (Tin/Lead)
						8134-HC-6P2 (Gold)	6-1437514-8 (Gold)
Round Lead 0.64 - 0.89 Diameter	1.61	1.47	1.59	3.36	0.75	8134-HC-6P2 (Tin/Lead)	6-1437514-9 (Tin/Lead)
						8134-HC-8P2 (Gold)	7-1437514-0 (Gold)
Round Lead 0.89 - 1.14 Diameter	2.22	2.08	2.18	4.06	1.27 (Min)	8134-HC-12P2 (Gold)	5-1437514-9 (Gold)

Holtite SIP Pattern Reels

Number of Contacts per Reel	Contact Plating	Contact Style	Augat Part Number	Tyco Part Number
2500	Gold	SP2	322-HCS5P2-100	2-1437514-0
	Tin/Lead	SP3	322-HCS5P3-100	3-1437514-6

Holtite DIP Pattern Reels

Number of Contacts per Reel	Contact Plating	Contact Style	Row Spacing	Augat Part Number	Tyco Part Number
5000	Gold	SP Series	.30"	322-HCS5P2-300	1-1437514-3
	Tin/Lead	SP Series	.30"	322-HCS5P3-300	3-1437514-7

PLCC Sockets - Through Hole

- Accepts Jedec Type A PLCC
- Easy access for chip probing
- Stand-offs & drain holes aid PCB cleaning
- Visual to ensure correct PCB registration

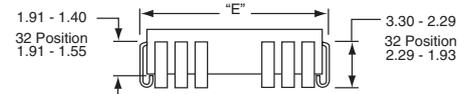
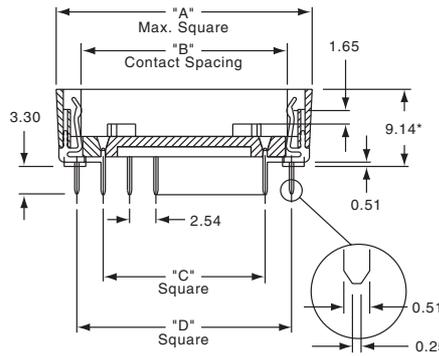
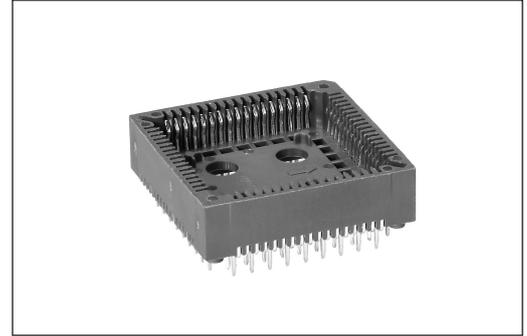
Specification:

Housing - Glass filled thermoplastic
UL94V-0

Contacts - Phosphor bronze tin plate RoHS

Current Rating - 1A

**PCS Series
High Normal Force
200gm min.**



Standard Configuration

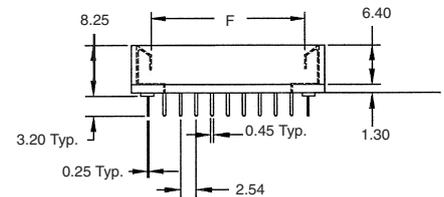
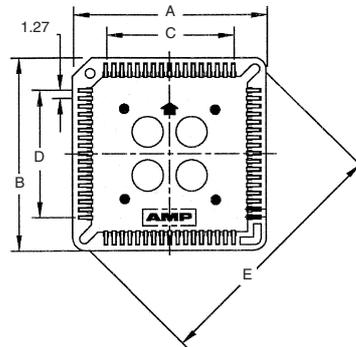
* 32 Position only 8.38

No. of Positions	A	B	Dimension C	D	E	Augat Number	Tyco Part Number
20	14.98	9.14	5.08	10.16	10.03/9.78	PCS-020A-1	1571539-1
28	17.52	11.68	7.62	12.70	12.57/12.32	PCS-028A-1	1571539-2
44	22.60	16.76	12.70	17.78	17.65/17.40	PCS-044A-1	1571541-1
52	25.15	19.30	15.24	20.32	20.19/19.94	PCS-052A-1	1571541-2
68	30.22	24.46	20.32	25.40	25.27/25.02	PCS-068A-1	1571541-3
84	35.31	29.54	25.40	30.48	30.35/30.10	PCS-084A-1	1571541-4

32 Position Rectangular

No. of Positions	Dimensions - Long Side (Short Side in brackets)					Augat Number	Tyco Part Number
	A	B	C	D	E		
32	20.07 (17.53)	14.33 (11.79)	10.16 (11.79)	15.24 (12.70)	15.11/14.86 (12.57/12.32)	PCS-032A-1	1571540-1

**Economy
Low Profile**



No. of Positions	A	B	Dimension C	D	E	F	Tyco Part Number
20	15.56	15.56	5.08	5.08	17.20	8.90	1-822473-1
28	18.10	18.10	7.62	7.62	20.70	11.46	1-822473-2
32	18.10	20.54	7.62	10.16	22.65	11.36	1-822473-3
44	23.18	23.18	12.70	12.70	27.50	16.74	1-822473-4
52	25.72	27.72	15.24	15.24	31.50	19.30	1-822473-5
68	30.80	30.80	20.32	20.32	39.00	24.38	1-822473-6
84	35.88	35.88	25.40	25.40	46.15	29.42	1-822473-7

PLCC Sockets - Low Profile, Surface Mount

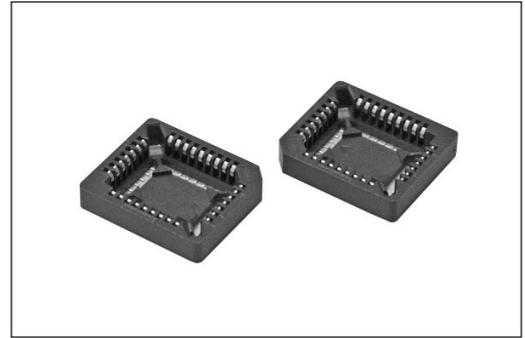
- Low profile for high density PCB stacking
- Pin 1 indicator
- Allows easy PLCC removal

Specification:

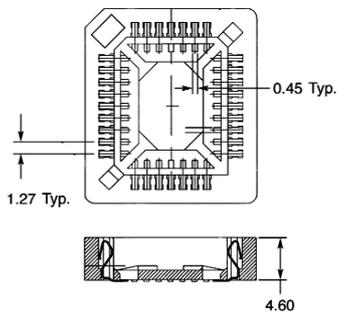
Housing - High temperature thermoplastic UL94V-0

Current Rating - 1A

Durability - 25 cycles



Low Profile, Surface Mount



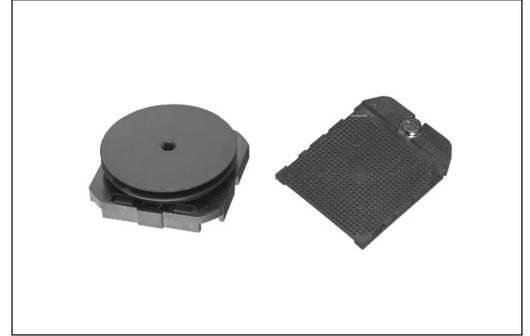
No. of Positions	Part Number (Packaging)	
	Tape Mount	Tube
20	3-8225 16-3	8225 16-3
28	3-8225 16-2	8225 16-2
32	3-8225 16-7	8225 16-7
44	3-8225 16-1	8225 16-1
52	3-8225 16-4	8225 16-4
68	3-8225 16-5	8225 16-5
84	3-8225 16-6	8225 16-6

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inventory at*

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μPGA / Thermal Solutions

- Sockets for the next generation microprocessors
- Chip coolers provide unique cooling solutions for a variety of BGA semiconductor packages
- Uses patented "Coolsnap" attachment method



μPGA Sockets

Description	Part Number
μPGA Socket 478C	3-1674770-2
μPGA Socket 479M	1674770-1

Thermal Solutions

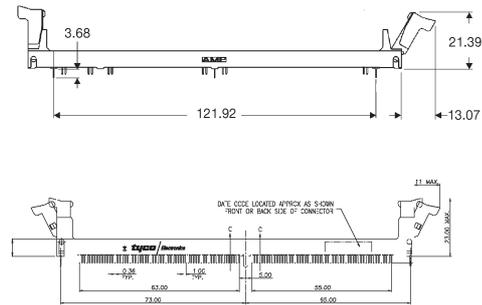
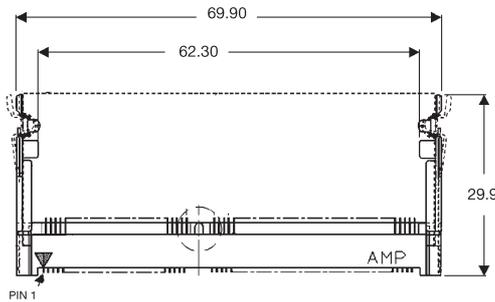
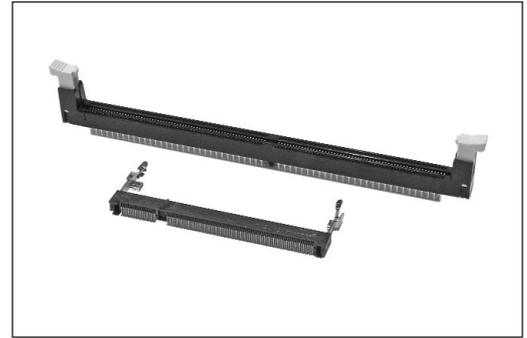
Processor Type	Configuration	Part Number
for μPGA Socket 478C and 479M	-	8-1542008-7
Retention Module	-	2-1542009-7
IC Dimensions 21 x 21	3 Fin Radial	5-1542004-4
IC Dimensions 25 x 25	4 Fin Radial	1-1542006-0
IC Dimensions 27 x 27	2 Fin Radial	5-1542003-9
IC Dimensions 29 x 29	2 Fin Radial	1-1542009-4
IC Dimensions 32.5 x 32.5	2 Fin Radial	8-1542005-8
IC Dimensions 35 x 35	5 Fin Radial	8-1542003-8
IC Dimensions 37.5 x 37.5	2 Fin Radial	1-1542002-1
IC Dimensions 40 x 40	2 Fin Radial	9-1542003-2

Memory / DIMM Sockets

- 124 - 240 position sockets
- Surface mount & through hole
- UL approved

Specification:

- Housing** - High temperature nylon
Contacts - Phosphor bronze, gold finish
Current Rating - 0.5A max.



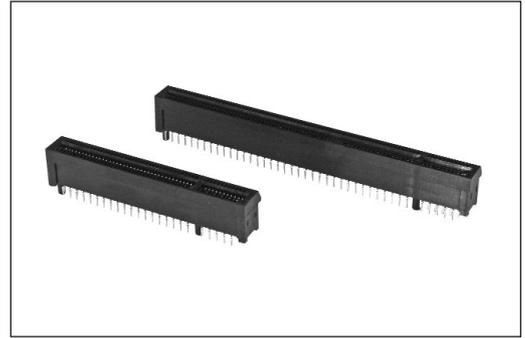
No. of Positions	Product Type	Pitch (mm)	Voltage	Module Type	Module Orientation	Profile	Termination Style	Part Number
124	Fax Modem Socket	0.8	-	-	Right Angle	Standard	SMT	6318228-1
144	SO DIMM	0.8	3.3	SDRAM	Right Angle	Standard	SMT	390113-1
144	SO DIMM	0.8	3.3	SDRAM	Right Angle	Low	SMT	390114-1
144	SO DIMM	0.8	3.3	SDRAM	Right Angle	High	SMT	390112-1
144	SO DIMM	0.8	3.3	SGRAM	Right Angle	High	SMT	390110-1
144	SO DIMM	0.8	3.3	SDRAM	Right Angle	Low	SMT	390111-1
168	DIMM	1.27	3.3	DRAM Non Buffered	Vertical	Standard	Through Hole	5390168-1
168	DIMM	1.27	3.3	DRAM Non Buffered	Right Angle	Low	Through Hole	1-5390171-6
168	DIMM	1.27	3.3	DRAM Non Buffered	25 Degrees	Low	Through Hole	5390170-6
168	DIMM	1.27	3.3	DRAM	Right Angle	Low	Through Hole	1-5390171-5
184	DIMM	1.27	2.5	DRAM - DDR 2	Vertical	Standard	Through Hole	5390241-1
200	SO DIMM	0.6	2.5	SDRAM - DDR 1	Right Angle	Standard	SMT	1473005-1
200	SO DIMM	0.6	1.8	SDRAM - DDR 2	Right Angle	Standard	SMT	1473005-4
200	SO DIMM	0.6	2.5	SDRAM - DDR 1 - Reverse	Right Angle	Standard	SMT	1473006-1
200	SO DIMM	0.6	1.8	SDRAM - DDR 2 - Reverse	Right Angle	Standard	SMT	1473006-4
240	DIMM	1.00	1.8	SDRAM - DDR 2	Vertical	Standard	Through Hole	1775802-1
240	DIMM	1.00	1.8	SDRAM - DDR 2 Fully Buffered	Vertical	Standard	Through Hole	1-1761024-1
240	DIMM	1.00	1.8	DDR 2 for ATCA Carrier Boards	Vertical	Low	Through Hole	1888427-1

PCI Express / PCI Connectors

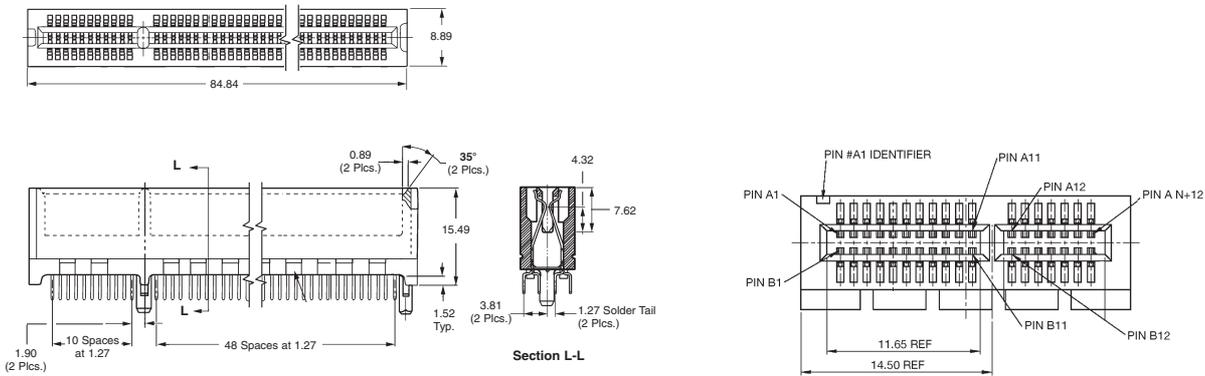
- High density 1.27 / 1.00 mm centreline contact spacing
- Easy mating of high circuit count daughter boards
- Polarising web for positive board-to-connector registration

Specification:

- Housing** - High temperature thermoplastic
Contacts - Gold over nickel



Vertical mount - PCI Express



No. of Dual Positions	Total No. of Positions	Mounting Style	Part Number
18	36	Through Hole	1612163-1
32	64	Through Hole	1612163-2
49	98	Through Hole	1612163-3
49	98	Press Fit	1871058-3
82	164	Through Hole	1612163-4
82	164	Press Fit	1871058-4
140	280	Press Fit	1871058-5

Vertical mount - PCI Connector

No. of Dual Positions	Total No. of Positions	Mounting Style	Part Number
60	120	Through Hole	5145154-4

Battery Connectors

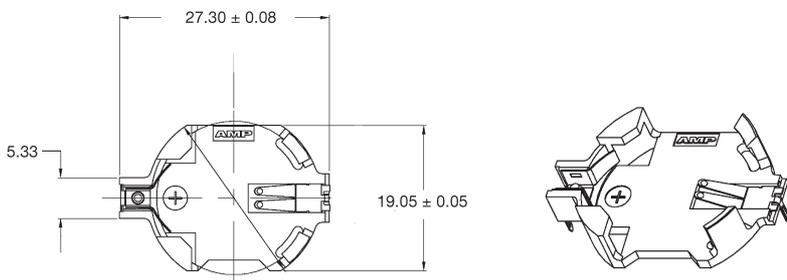
- Accepts Lithium Ion CR2032 cells
- Self ejecting allows battery removal without tools
- UL94V-0

Specification:

Housing - UL94V-0 PBT
Contacts - Tin plated



Battery Connectors



Cell Type	Termination Style	No. of Cells/ Holder	Mounting Style	Part Number
Lithium CR 2032	Through Hole	1	Right Angle	12059 1-1
Lithium CR 2032	SMT	1	Right Angle	796136-1

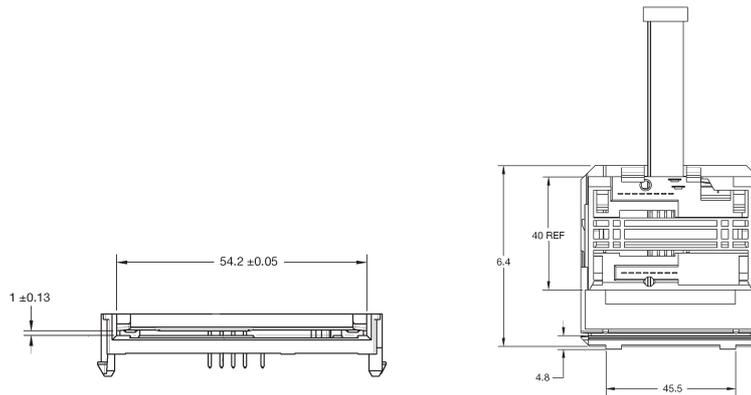
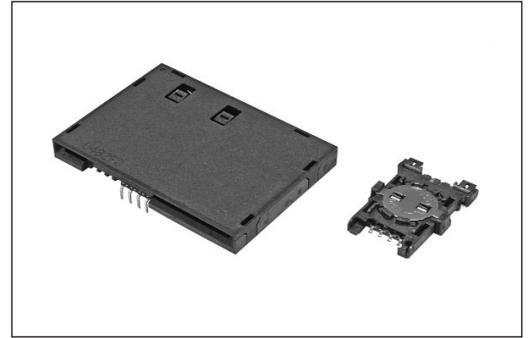


Smart Card Connectors

- Accept 0.76mm thick integrated circuit type Smartcard ISO 7816-7816 or ISOCP8-AFNOR standard and GSM 11.11 standards for SIM cards

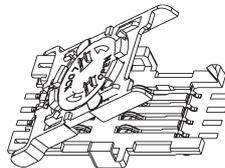
Specification:

Housing - PBT
Contacts - 0.76µm gold



Smart Cards

Card Type	Mating Cycles	Mounting Style	No. of Contacts	Switch	Features	Part Number
Full Size Card	30,000	Through Hole	8	Yes	Low Profile	5953398-1
Full Size Card	30,000	Through Hole	8	Yes	High Profile	5953438-1
Full Size Card	30,000	Ribbon Cable Termination	8	Yes	80mm Ribbon Cable - Through Hole	5953131-4
Full Size Card	30,000	Ribbon Cable Termination	8	Yes	60mm Ribbon Cable - Panel Mount	5953497-1
(Ribbon cable assembly mates with Micromatch part no. 8-215079-0)						
Full Size Card	300,000	Through Hole	8	Yes	High Durability	1705054-1
2 x Full Size Cards	30,000	2 x Ribbon Cable Termination	2 x 8	Yes	Stacked	6379018-1
(Ribbon cable assembly mates with Micromatch part no. 8-215079-0 - Quantity 2)						



Security Access Modules (SAM)

Card Type	Mating Cycles	Mounting Style	No. of Contacts	Switch	Features	Part Number
6 Pos SIM / SAM	10,000	SMT	6	Yes	Metal Locking Disk	5145299-1
8 Pos SIM / SAM	10,000	SMT	8	Yes	Metal Locking Disk	5145299-2

SIM Card Connectors

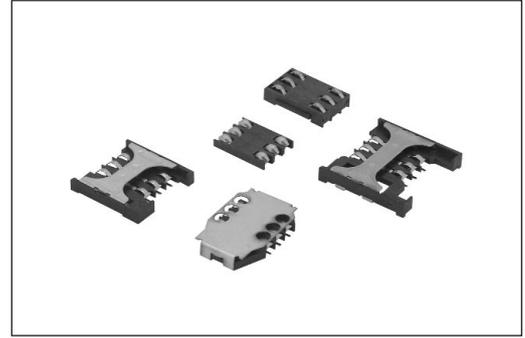
- Suitable for reading SIM & UIM cards
- Wide range of mounting heights
- Tape mounted for pick and place manufacturing

Specification:

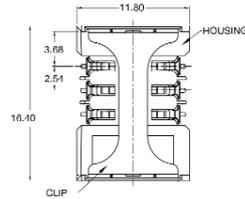
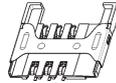
Housing - Thermoplastic, black

Contacts - Selective gold

Durability - 5000 mating cycles

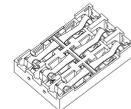
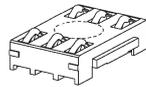


SIM Portfolio with Card Holder



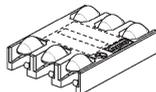
Total Height (mm)	HSG Height (mm)	With Card Stop Clip Allover	Part Number Without Card Stop Clip Allover	With Card Stop 2 Piece Clip
1.9	0.8	1747314-1	-	-
2.1	0.95	1871406-1	-	-
2.4	1.2	2-292292-4	-	-
2.7	1.5	2-292292-7	-	-
2.8	1.6	-	-	1-1705615-6
2.9	1.7	2-292292-9	-	-
3.1	1.9	3-292292-1	-	-
3.2	2.0	-	3-292373-2	-

Generic SIM



Height (mm)	With Ribs Without Contact Retention	Part Number Without Ribs Without Contact Retention	Without Ribs With Contact Retention
1.9	1-338063-9	1-1377227-9	-
2.0	2-338063-0	-	-
2.2	2-338063-2	-	-
2.4	2-338063-4	-	2-1483437-4
2.5	2-338063-5	-	-
2.6	2-338063-6	-	-
2.8	2-338063-8	-	-
3.7	3-338063-7	-	-
4.0	4-338063-0	-	-

5 Direction SIM



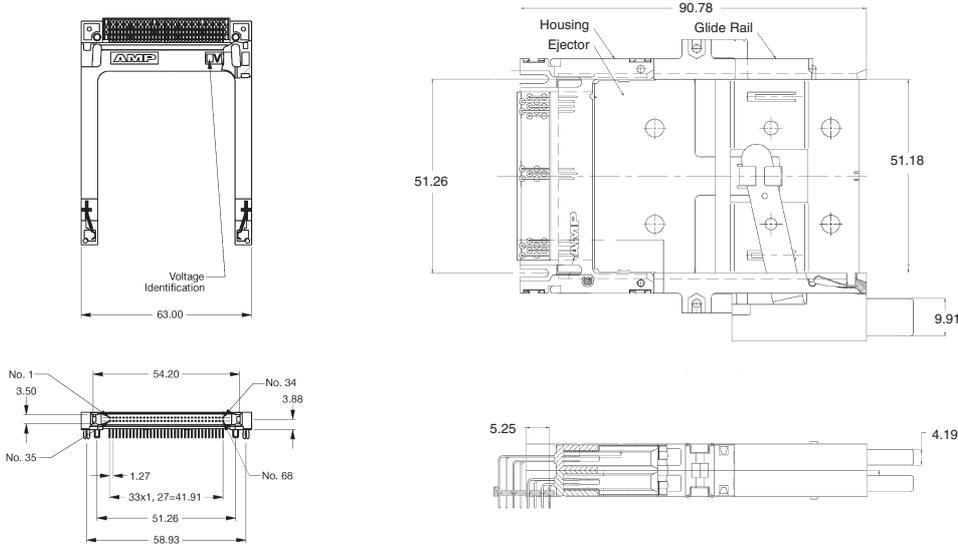
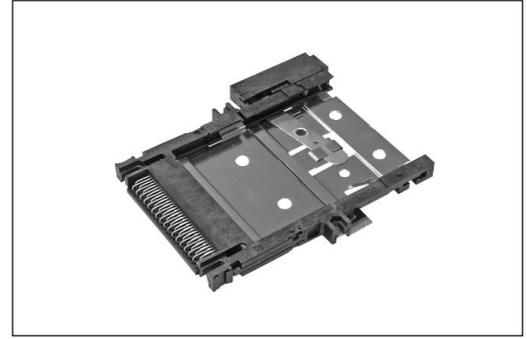
Height (mm)	Part Number With Ribs
1.5	1-1705300-5
1.6	1-1705300-6
1.7	1-1705300-7
1.8	1-1705300-8
1.9	1-1705300-9
2.0	2-1705300-0
2.1	2-1705300-1
2.2	2-1705300-2
2.3	2-1705300-3
2.4	2-1705300-4

PCMCIA / PC Card Connectors

- Headers accept Type I, II and III PC Cards
- UL & CSA approved

Specification:

Contacts - 0.76µm gold plating



Board Mount, Top Side Mounting - Right Angle, Through Hole

Ejectors	Stacked	Voltage Identification	Part Number
No	No	5V	5338932-1
No	No	3.3V	5338932-2
Left	No	5V	5338933-1
Left	No	3.3V	5338933-2
Right	No	5V	5338934-1
Right	No	3.3V	5338934-2
Right	Yes	5V	1705349-1
Right	Yes	3.3V	1705349-2
Black Push Button			1377142-2

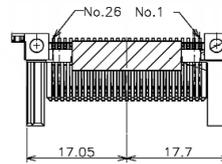
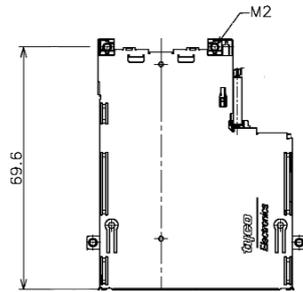


PCMCIA Express Card

- Same connectors for both 34mm & 54mm cards
- Supports USB 2.0 and PCI Express (x1) standards
- Hot Plug & Play auto configuration

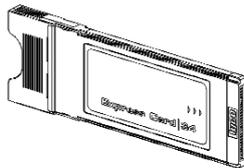
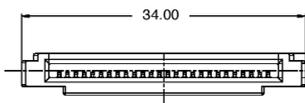


Host Connector and Ejector - Push/Push Type



Product Description	Mounting Style	Stand Off (mm)	Shutter	Comments	Part Number
Header	Top Mount	0	Without	With nut on ejector	1759011-1
Ejector 34/54	Top Mount	0	Without	With nut on ejector	1759010-1
Header	Top Mount	0	With	Ejector 34/54	1759044-1
Ejector	Top Mount	0	With	Ejector 34/54	1759066-1
Header	Bottom Mount	2.2	With	With nut on ejector	1759056-1
Ejector 34/54	Bottom Mount	2.2	With	With nut on ejector	1759054-1
Header	Bottom Mount	0.6	With	With nut on ejector	1759101-1
Ejector 34/54	Bottom Mount	0.6	With	With nut on ejector	1759100-1

Frame Kit



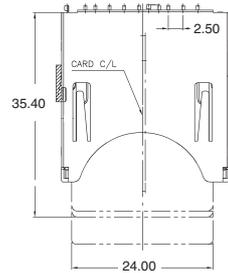
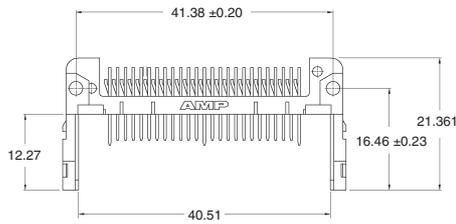
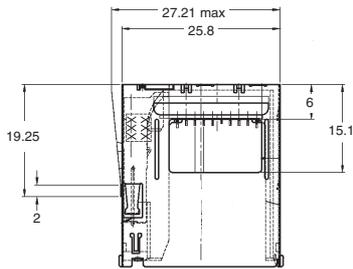
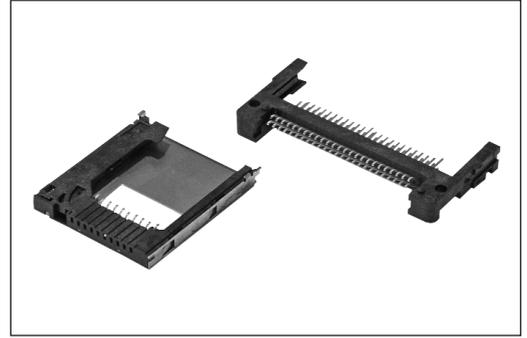
Product Description	Part Number
Module Connector	1470828-1

Removable Card Products

- Accepts industry standard cards
- Right angle, low profile design
- Suitable for many applications

Specification:

Housing - UL94V-0 LCP
Contacts - Gold plating



Product Description	Mounting Style	Part Number
SD Card Connector	Push/Push Type	1734472-1
Compact Flash - Right Angle	SMT	5788667-1
Memory Stick Connector	Push/Push Type	1717431-1
Micro SD / Transflash	Top Mount Push/Push Type	1871602-1



SOLISTRAND Terminals & Splices

- Terminates solid & stranded conductor
- Brased seam for greater strength of conductivity
- Applied using "W" crimp tooling

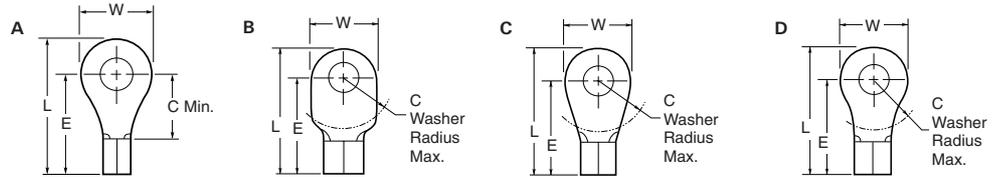
Material:

Terminal Body - Copper per ASTM B-152

Plating - Tin per MIL-T10727



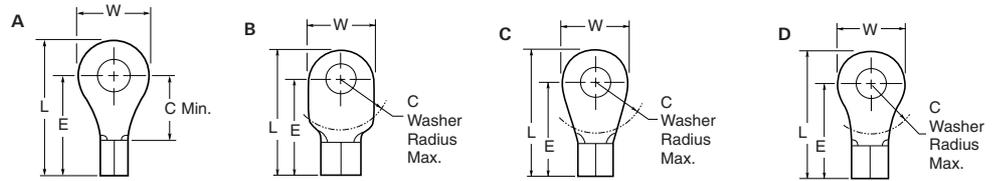
Ring Tongue Terminals



Wire Size (mm ²)	Stud Size	Style	L	Dimension E	Dimension C	W	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece	
26 - 22 (0.10 - 0.41)	2 (M2)	A	10.64	8.79	5.36	3.56	0.51	0.79	50334	
22 - 16 (0.26 - 1.65)	4	A	11.33	8.97	4.37	4.62	0.84	1.55	36467	
		A	11.40	8.56	3.96	5.54	0.84	1.55	34105	
	6 (M3.5)	A	14.58	11.07	6.35	7.14	0.84	1.55	34107	
		A	15.77	11.73	7.14	7.92	0.84	1.55	34110	
		A	14.58	11.07	6.35	7.14	0.84	1.55	34108	
		A	15.77	11.73	7.14	7.92	0.84	1.55	34112	
	10	A	14.58	11.07	6.35	7.14	0.84	1.55	34109	
		1/4 (M6)	A	21.74	15.70	11.10	11.91	0.84	1.55	34113
		5/16 (M8)	A	21.74	15.70	11.10	11.91	0.84	1.55	34114
		3/8	A	25.27	18.47	13.87	13.49	0.84	1.55	34115
1/2 (M12)	A	27.18	18.06	13.46	18.11	0.84	1.55	329966		
(1.04 - 2.62)	4	A	12.10	8.94	4.34	6.35	0.84	2.16	34119	
		A	16.15	11.73	7.14	8.71	0.84	2.16	34121	
	6 (M3.5)	A	12.19	8.94	4.34	6.35	0.84	2.16	34120	
		A	16.15	11.73	7.14	8.71	0.84	2.16	34122	
	1/4 (M6)	A	21.72	15.70	11.10	11.91	0.84	2.16	34124	
	5/16 (M8)	A	21.72	15.70	11.10	11.91	0.84	2.16	34125	
	3/8	A	25.27	18.47	13.87	13.49	0.84	2.16	34126	
	12 - 10 (2.62 - 6.64)	6 (M3.5)	A	16.00	12.37	5.56	7.14	1.07	3.28	35476
A			17.98	13.94	7.14	7.92	1.07	3.28	322454	
8 (M4)		A	19.43	14.61	7.67	9.53	1.07	3.28	33457	
		A	21.97	15.54	8.74	12.70	1.07	3.28	35771	
10		A	21.97	15.54	8.74	12.70	1.07	3.28	35772	
		A	25.50	18.69	11.89	13.49	1.07	3.28	33458	
5/16 (M8)		A	25.50	18.69	11.89	13.49	1.07	3.28	33459	
3/8		A	27.89	20.29	13.49	15.06	1.07	3.28	33220	
8 (6.64 - 10.5)	8 (M4)	C	24.10	18.87	9.12	10.31	1.30	4.37	324061	
		C	23.70	17.68	9.12	11.91	1.30	4.37	32996	
	1/4 (M6)	C	23.70	17.68	9.12	11.91	1.30	4.37	33461	
		A	29.67	22.05	13.49	15.09	1.30	4.37	33462	
	5/16 (M8)	A	27.28	20.07	10.31	14.27	1.30	4.37	31808	
	1/2 (M12)	A	49.91	33.96	25.40	31.75	1.30	4.37	35664	
6 (10.5 - 16.8)	10	C	31.65	23.65	13.49	15.88	1.52	5.89	33464	
	1/4 (M6)	C	29.67	23.65	13.49	11.89	1.52	5.89	321598	
	5/16 (M8)	C	31.65	23.65	13.49	15.88	1.52	5.89	33466	
	3/8	C	31.65	23.65	13.49	15.88	1.52	5.89	33467	
	1/2 (M12)	C	46.74	35.56	25.40	22.23	1.52	5.89	320344	

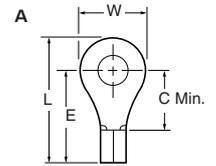
SOLISTRAND Terminals & Splices (continued)

Ring Tongue Terminals



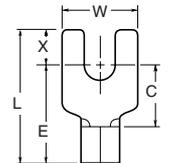
Wire Size (mm ²)	Stud Size	Style	L	Dimension E	C	W	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
4 (16.8 - 26.7)	10	A	33.38	24.84	13.11	16.66	1.85	7.52	33468
	1/4 (M6)	A	33.38	24.84	13.11	16.66	1.85	7.52	33469
		C	30.45	24.03	11.10	12.70	1.85	7.11	31811
		A	53.09	37.13	25.40	31.75	1.85	7.52	35668
	1/2 (M12)	B	48.31	37.13	25.40	22.23	1.85	7.52	327175
2 (26.7 - 42.4)	1/4 (M6)	B	38.79	30.78	13.49	15.88	1.85	9.40	320383
	5/16 (M8)	B	38.79	30.78	13.49	15.88	1.85	9.40	322870
	3/8	B	38.79	30.78	13.49	15.88	1.85	9.40	321600
	1/2 (M12)	D	42.09	30.78	13.49	22.61	1.85	9.40	35185
1/0 (42.4 - 60.6)	5/16 (M8)	C	49.68	38.84	15.88	22.23	1.85	11.28	36916
	C	48.90	38.91	15.88	20.50	1.85	11.28	321867	
3/0 (76.3 - 96.3)	5/16 (M8)	C	49.02	39.37	15.88	23.52	2.11	12.80	321870
	3/8	C	49.02	39.37	15.88	23.52	2.11	12.80	321871
	1/2	C	50.80	39.24	15.88	24.03	2.11	12.80	36925
4/0 (96.3 - 117)	1/2 (M12)	B	55.32	42.09	15.88	27.61	2.67	16.13	321880
	B	56.03	41.76	15.88	29.21	2.67	16.13	36934	

Heavy Duty Ring Tongue Terminals



Wire Size (mm ²)	Stud Size	Style	L	Dimension E	C	W	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
16 - 14 (1.04 - 2.62)	10	A	18.36	13.94	7.14	8.71	1.27	2.67	34567
	1/4 (M6)	A	21.97	15.54	8.74	12.70	1.27	2.67	35775
	1/2 (M12)	A	32.28	22.68	15.88	19.05	1.27	2.67	321165

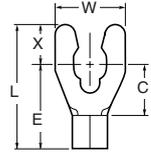
Spade Tongue Terminals



Wire Size (mm ²)	Stud Size	L	E	Dimension C	W	X	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	6 (M3.5)	13.46	9.75	5.16	7.54	3.58	0.84	1.55	36195
	10	15.82	12.52	7.92	6.35	3.18	0.84	1.55	323127
	10	17.40	12.52	7.92	9.53	4.75	0.84	1.55	34118
16 - 14 (1.04 - 2.62)	6 (M3.5)	13.46	9.75	5.16	7.54	3.58	0.84	2.16	322996
	8	17.40	12.52	7.92	9.78	4.75	0.84	2.16	34128
	10	17.40	12.52	7.92	9.78	4.75	0.84	2.16	34129
12 - 10 (2.62 - 6.64)	10	19.61	14.33	7.52	9.53	5.16	1.07	3.28	35495

SOLISTRAND Terminals & Splices (continued)

Short Spring Spade Tongue Terminals



Wire Size (mm ²)	Stud Size	L	E	Dimension C	W	X	Material Thickness Max.	Wire Barrel I.D. Min.	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	6 (M3.5)	14.63	10.95	6.35	6.35	3.56	0.84	1.55	53120-1
16 - 14 (1.04 - 2.62)	6 (M3.5)	14.63	10.95	6.35	6.35	3.56	0.84	2.15	53123-1
12 - 10 (2.62 - 6.64)	10	19.74	14.07	7.01	10.31	5.54	1.07	3.28	53128-1

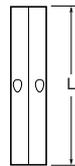
Parallel Splices



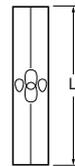
Wire Size (mm ²)	L	Dimension I.D.	O.D.	Material Thickness Max.	Part Number Loose Piece
16 - 14 (1.04 - 2.62)	7.65	2.16	4.19	0.84	34137
12 - 10 (2.62 - 6.64)	8.71	3.28	5.74	1.07	34138
8 (6.64 - 10.5)	9.53	4.37	7.52	1.30	34318
1/0 (42.4 - 60.6)	18.64	11.28	15.57	1.85	36946
2/0 (60.6 - 76.3)	18.64	12.80	17.86	2.11	36948

Butt Splices

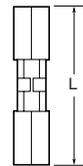
Standard



Sight Hole



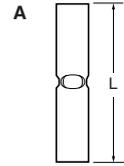
Strap



Wire Size (mm ²)	Style	L	Dimension I.D.	O.D.	Material Thickness Max.	Part Number Loose Piece
26 - 22 (0.26 - 1.65)	Strap	9.78	0.79	2.08	0.51	321198
24 - 20 (1.04 - 2.62)	Strap	12.45	1.09	2.67	0.64	324001
22 - 16 (0.26 - 1.65)	Standard	14.68	1.55	3.58	0.84	31818
16 - 14 (1.04 - 2.62)	Standard	14.40	2.16	4.19	0.84	31819
12 - 10 (2.62 - 6.64)	Standard	14.35	3.28	5.74	1.07	32151
8 (6.64 - 10.5)	Standard	21.01	4.37	7.52	1.30	34321
	Sight Hole	21.01	4.37	7.52	1.30	36906
6 (10.5 - 16.8)	Standard	25.78	5.89	9.37	1.52	34322
	Sight Hole	25.78	5.89	9.37	1.52	36886
4 (16.8 - 26.7)	Standard	28.96	7.52	11.76	1.85	34323
2 (26.7 - 42.4)	Standard	32.13	9.40	13.69	1.85	35189

SOLISTRAND Terminals & Splices (continued)

Butt Splices



Wire Size (mm ²)	Style	L	Dimension I.D.	O.D.	Material Thickness Max.	Part Number Loose Piece
1/0 (42.4 - 60.6)	A	35.86	11.28	15.57	1.85	36957
2/0 (60.6 - 76.3)	A	36.50	12.80	17.60	2.11	36958
3/0 (82.6 - 107.3)	A	37.60	14.35	19.69	2.39	36959
4/0 (107.3 - 137.1)	A	37.69	16.13	22.07	2.67	36960

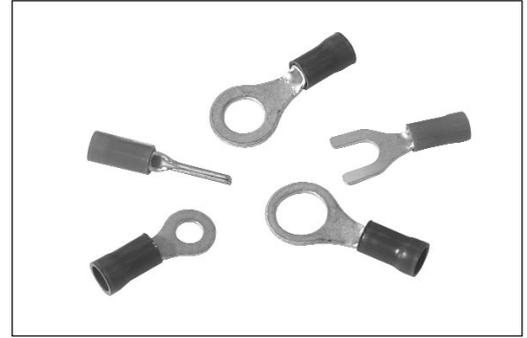


PLASTI-GRIP Terminals & Splices

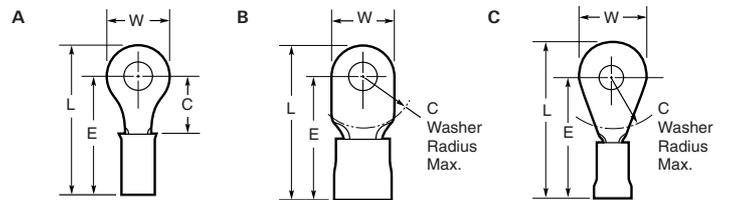
- Commercial grade crimp terminal
- Vinyl sleeve ensures dielectric strength
- Serrated barrel for maximum conductor contact
- Temperature rating: 90°C max
- Electrical rating: 600V

Material:

- Insulation** - Vinyl UL94V-0
- Terminal body & metallic sleeve** - Copper per ASTM B-152
- Plating** - Tin per ASTM B-545



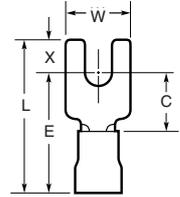
Ring Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	Style	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.84	2 / M2	A	5.54	3.96	14.53	17.37	Red	3.56	34140
				5.54	3.96	14.53	17.37	Red	3.18	32945
		6 / M3.5	A	7.14	6.35	16.92	20.55	Red	3.56	34144
				7.92	7.14	17.70	21.74	Red	3.56	34147
				7.14	6.35	16.92	20.55	Red	3.18	32948
				7.14	6.35	16.92	20.55	Red	3.56	34145
		8 / M4	A	7.92	7.14	17.70	21.74	Red	3.18	32951
				7.92	7.14	17.70	21.74	Red	3.56	34148
				7.14	6.35	16.92	20.55	Red	3.56	34146
		10	A	7.92	7.14	17.70	21.74	Red	3.18	32952
				7.92	7.14	17.70	21.74	Red	3.18	32952
		16 - 14 (1.04 - 2.62)	0.84	1/4 M6	A	11.91	11.10	21.67	27.69	Red
11.91	11.10					21.67	27.69	Red	3.56	34151
5/16 M8	A			13.49	13.87	24.43	31.24	Red	3.56	34152
				13.49	13.87	24.43	31.24	Red	3.56	34152
3/8	A			6.35	4.34	14.91	18.16	Blue	4.32	34157
				7.92	6.35	16.92	20.96	Blue	4.32	328527
12 - 10 (2.62 - 6.64)	1.07	8 / M4	A	8.71	7.14	17.70	22.12	Blue	3.68	32959
				8.71	7.14	17.70	22.12	Blue	4.32	34160
				11.91	11.10	21.67	27.69	Blue	3.68	32961
		1/4 M6	A	11.91	11.10	21.67	27.69	Blue	4.32	34162
		5/16 M8	A	11.91	11.10	21.67	27.69	Blue	4.32	34163
8 (6.64 - 10.5)	1.09	3/8	A	13.49	13.87	24.43	31.70	Blue	4.32	34164
				13.49	13.87	24.43	31.70	Blue	4.32	34164
		6 / M3.5	A	7.14	5.56	20.57	24.21	Yellow	6.35	34852
				9.53	7.67	22.68	27.89	Yellow	6.35	34854
6 (10.15 - 16.8)	1.22	10	A	13.49	11.89	26.90	33.71	Yellow	6.35	34855
				13.49	11.89	26.90	33.71	Yellow	6.35	34856
		1/2 M12	A	19.05	15.88	30.89	40.89	Yellow	6.35	34837
4 (16.8 - 26.7)	1.30	1/4 M6	B	12.14	11.10	34.49	40.64	Red	8.38	52041-3
				14.91	12.70	35.56	43.08	Red	9.14	52291
8 (6.64 - 10.5)	1.09	5/16 M8	C	14.91	12.70	35.56	43.08	Red	9.14	52291
				14.91	12.70	35.56	43.08	Red	9.14	52291
		10	B	11.89	10.69	37.64	43.66	Blue	11.07	52265
				11.89	10.69	37.64	43.66	Blue	11.07	52265
6 (10.15 - 16.8)	1.22	1/4 M6	C	12.70	13.08	40.41	47.47	Blue	9.14	52042-3
				12.70	13.08	40.41	47.47	Blue	9.14	52042-3
		5/16 M8	B	15.88	13.08	40.41	48.41	Blue	11.43	52264
4 (16.8 - 26.7)	1.30	3/8	B	15.88	13.08	40.41	48.41	Blue	11.43	52264-1
				15.88	13.08	40.41	48.41	Blue	11.43	52264-1
4 (16.8 - 26.7)	1.30	1/4 M6	B	13.87	13.49	42.47	49.48	Yellow	11.43	52043-3
				13.87	13.49	42.47	49.48	Yellow	11.43	52043-3

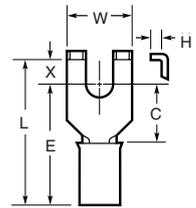
PLASTI-GRIP Terminals & Splices (continued)

Spade Tongue Terminals



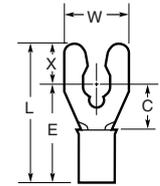
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension			Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
					E	L	X			
22 - 16 (0.26 - 1.65)	0.84	6 M3.5	6.35	7.92	18.49	21.79	3.18	Red	3.56	327043
		8 / M4	9.53	7.92	18.49	23.37	4.75	Red	3.56	34155
		10	9.53	7.92	18.49	23.37	4.75	Red	3.56	34156
16 - 14 (1.04 - 2.62)	0.84	6 M3.5	7.54	5.16	15.72	19.43	3.58	Blue	3.68	322994

Flanged Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension			H	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
					E	L	X				
22 - 16 (0.26 - 1.65)	0.84	6 M3.5	7.52	5.16	15.72	19.02	3.18	1.14	Red	3.56	322249
		8 M4	10.57	6.35	16.92	21.39	4.34	1.57	Red	3.56	324169
		10	7.52	5.16	15.72	19.02	3.18	1.14	Red	3.56	328516

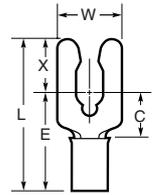
Short Spring Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension			Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
					E	L	X			
22 - 16 (0.26 - 1.65)	0.84	4	5.16	6.35	16.92	20.60	3.56	Red	3.56	52947
		6 / M3.5	5.94	6.35	16.92	20.60	3.56	Red	3.56	53240-1
			6.35	6.35	16.92	20.60	3.56	Red	3.56	52949
		10	7.47	7.14	17.70	23.37	5.54	Red	3.56	53242-1
16 - 14 (1.04 - 2.62)	0.84	6 / M3.5	6.35	6.35	16.92	20.60	3.56	Blue	4.32	52955
		8 / M4	6.20	7.14	17.70	22.15	4.32	Blue	4.32	53244-1
			9.53	7.14	17.70	22.15	4.32	Blue	4.32	52956
12 - 10 (2.62 - 6.64)	1.07	8 / M4	7.92	7.01	22.28	26.72	4.32	Yellow	6.35	53247-1
			9.53	7.01	22.28	26.72	4.32	Yellow	5.08	52962

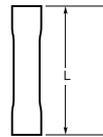
PLASTI-GRIP Terminals & Splices (continued)

Long Spring Spade Tongue Terminals



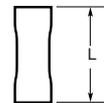
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension E	L	X	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.84	6 / M3.5	6.35	6.05	16.87	24.00	7.01	Red	3.56	52453
		8 / M4	7.14	6.86	17.68	25.17	7.37	Red	3.56	52454

Butt Splices



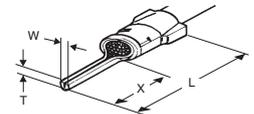
Wire Size (mm ²)	Dimension L	Splice Insulation Colour	Wire Insulation Diameter Max.	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	27.05	Red	4.32	34243
	27.05	Red	2.11 x 4.34	34203
16 - 14 (1.04 - 2.62)	27.05	Blue	3.56	34068
	27.05	Blue	5.46	35244
	27.05	Blue	3.43 x 6.22	34204
12 - 10 (2.62 - 6.64)	29.46	Yellow	6.35	34945

Parallel Splices



Wire Size (mm ²)	Dimension L	Splice Insulation Colour	Wire Insulation Diameter Max.	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	19.30	Red	3.05	34131
16 - 14 (1.04 - 2.62)	19.30	Blue	4.32	34134
12 - 10 (2.62 - 6.64)	22.10	Yellow	5.84	34136

Insulated Round Wire Pins from 0.25 - 6.6mm²



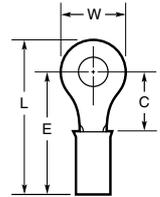
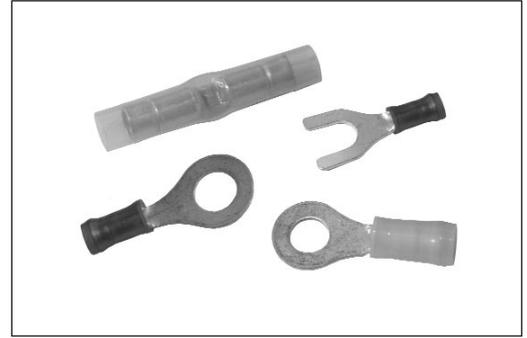
Wire Size (mm ²)	X	Dimension W	T	L	Splice Insulation Colour	Wire Insulation Diameter	Part Number
0.25 - 1.6	6.7	1.8	1.8	20.5	Red	3.7	165143
	9.9	1.8	1.8	23.8	Red	3.7	165167
2.7 - 6.6	9.9	2.6	2.6	29.2	Yellow	6.4	165085

PIDG (Pre-Insulated Diamond Grip) Terminals & Splices

- High conductivity fine grade copper
- Nylon sleeve has dielectric strength
- Serrated barrel for maximum conductor contact
- Temperature rating: 105°C
- Electrical rating: 300V

Material:

- Insulation** - Nylon UL94V-2
Terminal body & metallic sleeve - Copper per ASTM B-152
Plating - Tin per ASTM B-545

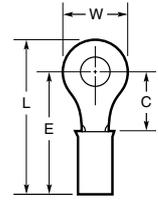


Ring Tongue Terminals - Nylon

Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension			Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
				C	E	L			
26 - 22 (0.10 - 0.41)	0.74	2 (M2)	5.56	5.36	13.77	15.62	Yellow	2.08	329951
22 - 16 (0.26 - 1.65)	0.84	2 (M2)	5.54	3.96	14.22	17.07	Red	3.18	328657
			4.62	4.37	14.63	16.99	Red/Green	3.18	327654
		4	4.62	4.37	14.63	16.99	Red	3.56	320882
			5.54	3.96	14.22	17.07	Red	3.56	36150
		6 (M3.5)	6.35	6.35	16.61	19.86	Red	3.18	51863
			8 (M4)	7.14	6.35	16.61	20.24	Red	3.18
		10	8.74	7.54	17.81	22.25	Red	3.18	32836
			8.74	7.54	17.81	22.25	Red	3.56	32837
		5/16 (M8)	11.91	11.10	21.36	27.38	Red	3.18	320572
			11.91	11.10	21.36	27.38	Red	3.56	31895
		3/8	13.49	13.87	24.13	30.94	Red	3.18	320573
			13.49	13.87	24.13	30.94	Red	3.56	31897
1/2 (M12)	18.11	13.46	23.72	32.84	Red	3.18	328975		
	4	6.35	4.34	14.61	17.86	Blue	3.81	324159	
16 - 14 (1.04 - 2.62)	0.84	6 (M3.5)	7.92	6.35	16.61	20.65	Blue	4.32	326882
			8.71	7.14	17.40	21.82	Blue	3.81	36157
		8 (M4)	8.71	7.14	17.40	21.82	Blue	3.81	320560
			10	8.71	7.14	17.40	21.82	Blue	3.81
		5/16 (M8)	11.91	11.10	21.36	27.38	Blue	3.81	320575
			11.91	11.10	21.36	27.38	Blue	4.32	328998
3/8	13.49	13.87	24.13	30.94	Blue	3.81	320564		
	6 (M3.5)	7.14	5.56	20.57	24.21	Yellow/Black	6.35	35634	
8 (M4)		8.71	7.14	22.15	26.57	Yellow/Black	5.84	320627	
	10	8.71	7.14	22.15	26.57	Yellow/Black	6.35	35106	
1/2 (M12)		19.05	15.88	30.89	40.49	Yellow/Black	5.84	320630	
	Yellow/Black	6.35	35316						
12 - 10 (2.62 - 6.64)		1.07	6 (M3.5)	7.14	5.56	20.57	24.21	Yellow	5.84
	7.14			5.56	20.57	24.21	Yellow	6.35	35149
	8 (M4)		7.92	7.14	22.15	26.19	Yellow	5.84	35787
			7.92	7.67	22.68	26.72	Yellow	5.84	324915
	10		7.92	7.67	22.68	26.72	Yellow	5.84	324918
			9.53	7.67	22.68	27.51	Yellow	5.84	36161
	1/4 (M6)		12.70	8.74	23.75	30.18	Yellow	5.84	35273
			13.49	11.89	26.77	33.58	Yellow	5.84	320569
	5/16 (M8)		13.49	11.89	26.77	33.58	Yellow	6.35	35111
			15.06	13.49	28.32	35.92	Yellow	5.84	320577
	3/8		15.06	13.49	28.32	35.92	Yellow	6.35	35112
			19.05	15.88	30.89	40.49	Yellow	6.35	35151

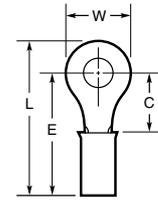
PIDG (Pre-Insulated Diamond Grip) Terminals & Splices (continued)

Ring Tongue Terminals - Vinyl



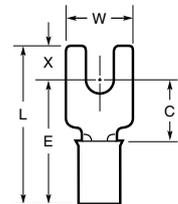
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	Dimension E	Dimension L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
12 - 10 (2.62 - 6.64)	1.07	8 (M4)	9.53	7.67	24.94	29.77	Yellow	7.62	35605
		10	9.53	7.67	24.94	29.77	Yellow	7.62	35364
		1/4 (M6)	13.49	11.89	29.16	35.97	Yellow	7.62	35345
		5/16 (M8)	13.49	11.89	29.16	35.97	Yellow	7.62	35346

Ring Tongue Terminals - Insulation Restricting



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	Dimension E	Dimension L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 (0.38)	0.84	4	5.54	3.96	15.80	18.64	Red/Green	0.97 - 2.79	52273
		6 (M3.5)	5.54	3.96	15.80	18.64	Red/Green	0.97 - 2.79	2-36149-3
	0.79	6 (M3.5)	6.35	6.35	18.19	21.44	Red/Green	0.97 - 2.79	51863-2
		8 (M4)	7.92	7.14	18.97	23.01	Red/Green	0.97 - 2.79	1-320551-2
20 (0.60)	0.84	10	7.92	7.14	18.97	23.01	Red/Green	0.97 - 2.79	2-36153-3
		4	5.54	3.96	15.80	18.64	Red/Red	1.17 - 2.79	52273-1
		6 (M3.5)	5.54	3.96	15.80	18.64	Red/Red	1.17 - 2.79	2-36149-4
		8 (M4)	7.92	7.14	18.97	23.01	Red/Red	1.17 - 2.79	1-320551-3
18 (1.42)	0.84	10	7.92	7.14	18.97	23.01	Red/Red	1.17 - 2.79	2-36153-4
		4	5.54	3.96	15.80	18.64	Red/White	1.42 - 2.79	52273-2
		6 (M3.5)	5.54	3.96	15.80	18.64	Red/White	1.42 - 2.79	2-36149-5
		6 (M3.5)	6.35	6.35	18.19	21.44	Red/White	1.42 - 2.79	51863-4
16 (1.42)	0.84	10	7.92	7.14	18.97	23.01	Red/White	1.42 - 2.79	2-36153-5
		6 (M3.5)	6.35	4.34	16.18	19.43	Blue/Blue	1.60 - 3.30	2-320561-3
		8 (M4)	7.92	7.14	18.97	23.01	Blue/Blue	1.60 - 3.30	1-51864-0
		10	7.92	7.14	18.97	23.01	Blue/Blue	1.60 - 3.30	51864-7
14 (2.15)	0.84	6 (M3.5)	7.92	7.14	18.97	23.01	Blue/Green	1.98 - 3.30	51864-8
		8 (M4)	7.92	7.14	18.97	23.01	Blue/Green	1.98 - 3.30	1-51864-1
		10	7.92	7.14	18.97	23.01	Blue/Green	1.98 - 3.30	51864-9
12 (3.37)	1.07	8 (M4)	9.53	7.67	24.33	29.16	Yellow/Yellow	2.41 - 5.08	2-320568-2
		10	9.53	7.67	24.33	29.16	Yellow/Yellow	2.41 - 5.08	2-36161-3
10 (6.11)	1.07	8 (M8)	9.53	7.67	24.33	29.16	Yellow/Brown	3.02 - 5.08	2-320568-3

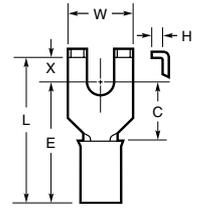
Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	C	Dimension E	Dimension L	X	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
26 - 22 (0.10 - 0.41)	0.51	4	5.16	5.36	13.77	15.93	1.93	Yellow	2.08	321035
		6 (M3.5)	7.54	5.16	15.42	19.13	3.58	Red	3.18	34080
22 - 16 (0.26 - 1.65)	0.84	8 (M4)	9.53	7.92	18.19	23.06	4.75	Red	3.18	32050
		10	9.53	7.92	18.19	23.06	4.75	Red	3.18	32051
			9.53	7.92	18.19	23.06	4.75	Red	3.56	32054
12 - 10 (2.62 - 6.64)	1.07	8 (M4)	10.31	7.52	22.53	27.81	5.16	Yellow	6.35	35152

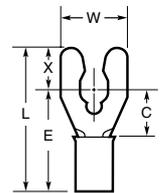
PIDG (Pre-Insulated Diamond Grip) Terminals & Splices (continued)

Flanged Spade Tongue Terminals



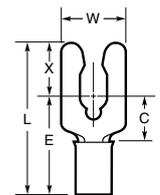
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	Dimension						Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
			W	C	E	L	X	H			
22 - 16 (0.26 - 1.65)	0.84	2 (M2)	4.62	5.16	15.42	18.47	2.92	1.04	Red	3.56	324608
		8 (M4)	10.57	6.35	16.61	21.08	4.34	1.57	Red	3.56	32498
16 - 14 (1.04 - 2.62)	0.84	8 (M4)	10.57	6.35	16.61	21.08	4.34	1.57	Blue	3.81	33155
		10	7.47	5.16	15.42	18.72	3.18	1.19	Blue	4.32	320863
12 - 10 (2.62 - 6.64)	1.07	8 (M4)	10.57	6.35	21.36	25.83	4.34	1.32	Yellow	5.84	32510
		10	10.57	6.35	21.36	25.83	4.34	1.32	Yellow	6.35	324015

Short Spring Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	Dimension					Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
			W	C	E	L	X			
22 - 16 (0.26 - 1.65)	0.84	5 (M3)	6.35	6.35	16.61	20.29	3.56	Red	3.18	52928
		6 (M3.5)	6.35	6.35	16.61	20.29	3.56	Red	3.18	52929
		8 (M4)	9.53	7.14	17.40	21.84	4.32	Red	3.18	52930
16 - 14 (1.04 - 2.62)	0.84	5 (M3)	6.35	6.35	16.61	20.29	3.56	Blue	4.32	52934
		6 (M3.5)	6.35	6.35	16.61	20.29	3.56	Blue	4.32	52935
		6 (M3.5)	6.35	6.35	16.61	20.29	3.56	Blue	4.62	52935-2
12 - 10 (2.62 - 6.64)	1.07	8 (M4)	9.53	7.01	22.28	26.72	4.32	Yellow	6.35	52942

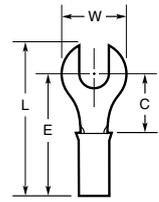
Long Spring Spade Tongue Terminals



Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	Dimension					Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
			W	C	E	L	X			
26 - 16 (0.26 - 1.65)	0.84	6 (M3.5)	6.35	6.05	16.56	23.70	7.01	Red	3.18	52409
16 - 14 (1.04 - 2.62)	0.84	6 (M3.5)	6.35	6.05	16.56	23.70	7.01	Blue	3.81	52420
			6.35	6.05	16.56	23.70	7.01	Blue	4.32	52420-1

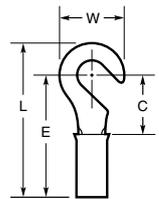
PIDG (Pre-Insulated Diamond Grip) Terminals & Splices (continued)

Slotted Ring Tongue Terminals



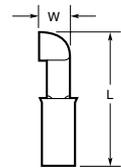
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.84	8 (M4)	7.14	6.35	16.61	19.56	Red	3.56	36954

Hook Tongue Terminals



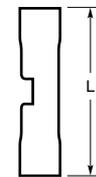
Wire Size (mm ²)	Tongue Material Thickness Max.	Stud Size	W	Dimension C	E	L	Terminal Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
16 - 14 (1.04 - 2.62)	0.84	8 (M4)	8.71	7.14	17.40	21.82	Blue	4.32	320306

Knife Disconnect Splices

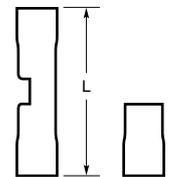


Wire Size (mm ²)	Material Thickness	Dimension C	L	Splice Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
22 - 16 (0.26 - 1.65)	0.79	5.16	22.30	Red	3.18	320555
		5.16	22.30	Red	3.56	32446
16 - 14 (1.04 - 2.62)	0.79	5.16	22.30	Blue	3.81	320566
		5.16	22.30	Blue	4.32	32448
12 - 10 (2.62 - 6.64)	1.02	7.14	31.34	Yellow	5.84	320620

Butt Splices



Standard and Radiation Resistant



Step Down Assembly¹

Wire Size (mm ²)	Style	Dimension L	Splice Insulation Colour	Wire Insulation Diameter	Part Number Loose Piece
26 - 22 (0.10 - 0.41)	Standard	22.61	Yellow	2.08	2-323994-2
12 - 10 (2.62 - 6.64)	Standard	42.06	Yellow	5.59	320570

FASTON Terminals

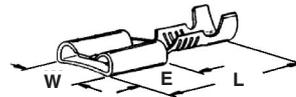
- Straight, right angle and receptacle-tab combinations available
- Receptacles available for 6.3, 4.8 and 2.8mm tab size
- Receptacles mate with 0.8 and 0.5mm thick tabs
- Low insertion force receptacles available

Specification:

- Housing** - Polyamide, polycarbonate, polyethylene, UL94V-0, UL94V-2
- Contacts** - Brass, phosphor bronze, steel
- Current Rating** - 20A max with 2.5mm² wire size.
For steel-nickel plated version use 16A max with 2.5mm² wire size



Size 6.3mm (.250 Series) - Straight Receptacles



A - Standard Series

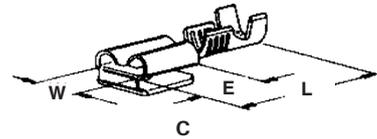


B - Low Insertion Force

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
A	0.5 - 1.5	2.3 - 3.3	0.8	Brass	7.6	19.1	7.7	5-160432-3
				Brass - tin plated				5-160432-4
				Phosphor bronze - tin plated				6-160432-0
				Steel - nickel plated				6-160432-3
				Nickel silver				160807-2
	1.0 - 2.5	3.0 - 4.3	0.8	Brass	7.6	19.1	7.7	2-160256-1
				Brass - tin plated				280001-9
				Brass - tin plated				2-160256-2
				Brass - silver plated				4-160256-7
				Phosphor bronze - tin plated				3-160256-1
B	0.5 - 1.5	2.3 - 3.3	0.8	Brass - tin plated	7.6	19.1	7.7	100495-2
				Brass - tin plated				100570-2

Related to DIN 46247

Size 6.3mm (.250 Series) - Receptacle and Tab Combinations

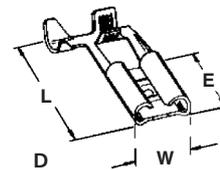


C

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
C	0.8 - 2.5	3.0 - 4.3	0.8	Brass - tin plated	7.6	20.1	7.7	160739-2

Related to DIN 46345

Size 6.3mm (.250 Series) - Flag Receptacles



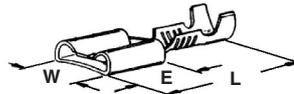
D

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
D	0.5 - 1.5	2.3 - 3.3	0.8	Brass - tin plated	7.6	15.5	7.6	280050-2
				Phosphor bronze - tin plated				280050-7
				Brass				180464-1
	1.0 - 2.5	2.4 - 3.8	0.8	Brass - tin plated	7.6	15.5	7.6	180464-2
				Phosphor bronze				2-180464-4
				Phosphor bronze - tin plated				180464-5

Related to DIN 46346 form A (D Style)

FASTON Terminals (continued)

Size 4.8mm (.187 Series) - Straight Receptacles



A - Standard Series

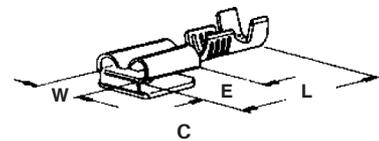


B - Low Insertion Force

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
A	0.5 - 1.5	2.3 - 3.3	0.8	Brass	5.6	15.0	6.3	6-160430-6
				Brass - tin plated				5-160430-7
				Phosphor bronze - tin plated				5-160430-6
				Steel - nickel plated				5-160430-4
	1.0 - 2.5	3.0 - 4.3	0.8	Brass	5.6	15.0	6.3	5-160429-1
				Brass - tin plated				5-160429-2
B	0.5 - 1.5	2.3 - 3.3	0.8	Brass - tin plated	5.6	15.0	6.3	5-160433-6
				Brass - tin plated				5-160431-2
	0.5 - 1.5	2.3 - 3.3	0.8	Brass - tin plated	5.6	15.0	6.3	100494-2

Related to DIN 46247

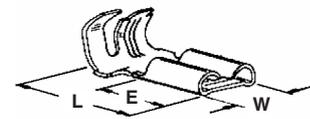
Size 4.8mm (.187 Series) - Receptacle and Tab Combinations



C

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
C	0.5 - 1.5	2.3 - 3.3	0.5	Brass	5.7	15.6	5.7	62026-1
				Brass - tin plated				62026-2

Size 4.8mm (.187 Series) - Flag Receptacles



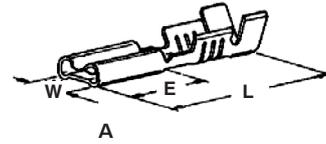
D

Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	W	Dimension L	E	Part Number
D	0.5 - 1.5	2.8 - 4.3	0.8	Brass	5.6	13.5	6.3	150699-1
				Brass - tin plated				150699-2



FASTON Terminals (continued)

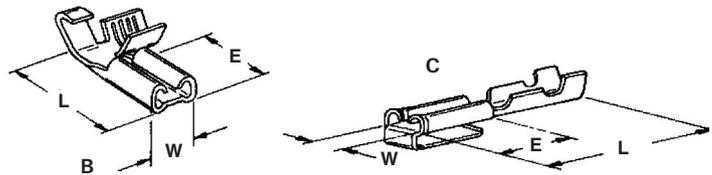
Size 2.8mm (.110 Series) - Straight Receptacles



Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	Dimension			Part Number
					W	L	E	
A	0.05 - 0.15	0.8 - 1.3	0.5	Brass - tin plated	3.7	14.0	6.3	160597-4
	0.15 - 0.35	0.9 - 1.6	0.5	Brass - tin plated	3.7	11.7	4.0	160666-5
	0.20 - 0.35	1.0 - 1.5	0.8	Brass - tin plated	3.7	14.0	6.3	160772-3
	0.20 - 0.35	1.0 - 1.5	0.5	Brass - tin plated	3.7	16.1	6.3	140716-2
	0.20 - 0.56	2.0 - 3.0	0.5	Brass - tin plated	3.7	15.4	6.3	150500-2
	0.20 - 0.56	2.0 - 3.0	0.8	Brass - tin plated	3.7	15.4	6.3	150545-2
	0.3 - 0.5	1.3 - 2.0	0.5	Brass - tin plated	3.7	14.0	6.3	5-160316-2
	0.3 - 0.5	1.3 - 2.0	0.5	Brass - tin plated	3.7	14.0	6.3	5-160303-2
	0.3 - 0.8	1.5 - 2.5	0.5	Brass	3.7	16.1	6.3	140717-1
	0.3 - 0.8	1.5 - 2.5	0.5	Brass - tin plated	3.7	16.1	6.3	140717-2
0.5 - 1.0	2.0 - 3.0	0.5	Brass - tin plated	3.7	14.0	6.3	160484-4	
			Brass - tin plated	3.7	14.0	6.3	5-160555-2	

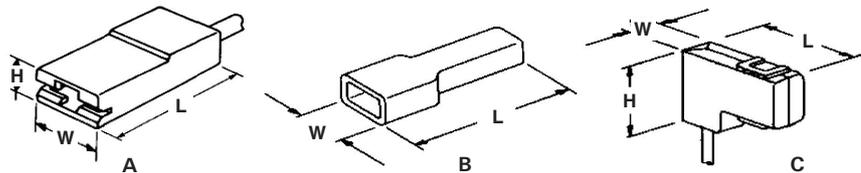
Related to DIN 46247

Size 2.8mm (.110 Series) - Flag Receptacle & Receptacle and Tab Combinations



Style	Wire Size (mm ²)	Insulation Diameter (mm)	Tab Thk (mm)	Material and Finish	Dimension			Part Number
					W	L	E	
B	0.3 - 0.8	1.7 - 2.6	0.8	Brass - tin plated	3.8	11.7	4.6	141352-4
C	0.3 - 0.8	1.5 - 2.5	0.5	Brass	3.8	16.0	6.3	62003-1

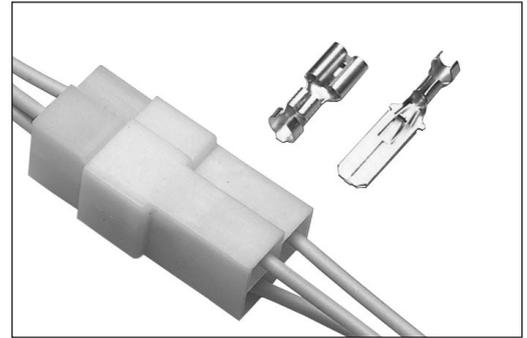
Housings & Insulation Sleeves for FASTON Receptacles



Style	Series	Insulation Diameter (mm)	Material	UL 94	Colour	Note	Dimension			Part Number
							W	L	H	
A	2.8	3.1	Polyamide	-	Natural	-	5.0	18.0	5.0	926410-1
		3.2	Polyamide	-	Natural	-	5.0	20.0	5.0	925387-1
			Polycarbonate	V0	Natural	-	5.0	20.0	5.0	925387-2
	4.8	Polyamide	V2	Natural	-	5.8	20.0	5.7	1-480417-0	
			V2	Natural	-	7.8	19.7	5.5	1-480435-0	
		Polyamide	V2	Natural	-	9.0	25.3	4.8	280232	
			V2	Natural	-	9.2	24.4	6.0	926539-1	
			V2	Red	-	9.2	24.4	6.0	926539-2	
			V2	Black	-	9.2	24.4	6.0	926539-3	
			V2	Natural	170° Max Temp.	9.2	24.4	6.0	1-926539-7	
PBT	V0	Black	140° Max Temp.	9.2	24.4	6.0	926539-5			
B	6.3	2.5	Polyethylene	-	Natural	-	9.0	22.5	5.0	2-180930-0
		3.0	Polyethylene	-	Natural	-	9.0	21.6	5.0	1-925017-0
C	4.8	4.5	Polyamide	V2	Natural	for Tab-Lok Flag FASTON	5.8	10.9	8.1	1-480487-2
	6.3	3.3	Polyamide	V2	Black	-	5.6	18.5	14.2	180984-5

FASTIN-FASTON Connection System

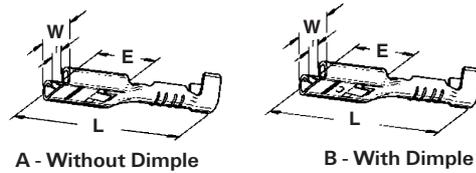
- Used for single and multiple connections
- Receptacles and tabs available from 2.8 to 6.3mm size
- Receptacles mate with 0.5 and 0.8mm thick tabs



Specification:

- Housing** - Polyamide UL94V-2
Contacts - Brass, phosphor bronze
Current Rating - 20A max with 2.5mm² wire size

Size 6.3mm (.250 Series) - Straight Receptacles with Locking Lance for Single & Multiple Connections



Style	Tab Thk (mm)	Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	Dimension			Part Number	
					W	L	E		
A	0.8	0.5 - 1.0	1.4 - 2.3	Brass - tin plated	7.4	19.2	7.8	160928-2	
				Phosphor bronze - tin plated				160928-4	
		0.5 - 1.5	2.3 - 3.3	Brass - tin plated				5-160526-7	
				Brass - silver plated				6-160526-1	
		0.8 - 2.5	3.1 - 4.1	Phosphor bronze - tin plated				5-160526-9	
				Brass				42100-1	
	0.8	1.0 - 2.5	3.4 - 5.1	Brass - tin plated				42100-2	
				Brass - silver plated				6-160448-5	
		Phosphor bronze - tin plated	6-160448-6						
		Phosphor bronze - silver plated	6-160448-2						
		2.1 - 3.1	2.1 - 3.1	Brass - tin plated				6-160448-3	
				Phosphor bronze				160927-2	
	0.8	4.0 - 6.0	3.4 - 5.1	Phosphor bronze - tin plated				160927-3	
				Phosphor bronze - tin plated				160927-4	
		0.5 - 1.0	1.4 - 2.3	Brass - tin plated				180351-2	
				Phosphor bronze				180351-3	
		0.8	1.0 - 1.5	2.3 - 3.3				Phosphor bronze - tin plated	180351-5
								Phosphor bronze - silver plated	160860-2
0.8 - 2.5	3.1 - 4.1		Brass	160860-3					
			Brass - tin plated	160860-4					
1.0 - 2.5	2.1 - 3.1		Brass - silver plated	5-160558-1					
			Phosphor bronze	5-160558-2					
B	0.5 - 1.0	1.4 - 2.3	Phosphor bronze - tin plated	5-160558-9					
			Phosphor bronze - tin plated	6-160558-0					
	0.8 - 2.5	3.1 - 4.1	Brass	42281-1					
			Brass - tin plated	42281-2					
	1.0 - 2.5	2.1 - 3.1	Brass - silver plated	5-160446-5					
			Phosphor bronze	5-160446-6					
2.5 - 4.0	3.3 - 4.5	Phosphor bronze - tin plated	5-160446-2						
		Phosphor bronze - tin plated	160917-3						
			Phosphor bronze - tin plated	160917-4					
			Phosphor bronze - tin plated	160913-4					

Related to DIN 46340
 Type B suggested for connection with less than 4 contacts

Size 2.8mm (.110 Series) - Straight Receptacles with Locking Lance for Single & Multiple Connections

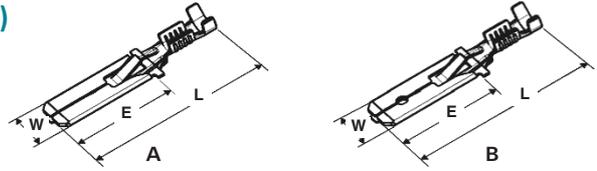


Style	Tab Thk (mm)	Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	Dimension			Part Number
					W	L	E	
A	0.5	0.3 - 0.6	1.3 - 2.0	Brass - tin plated	3.7	14.0	6.3	160366-2
		0.5 - 1.0	2.0 - 3.1	Brass - tin plated				160684-4
	0.8	0.3 - 0.6	1.3 - 2.0	Brass - tin plated				160173-2
		0.5 - 1.0	1.4 - 2.3	Brass - tin plated				160864-2
	0.5 - 1.5	2.0 - 3.1	2.0 - 3.1	Brass - tin plated				160655-2
				Phosphor bronze				160655-3
			Phosphor bronze - tin plated	160655-4				

Related to DIN 46340

FASTIN-FASTON Connection System (continued)

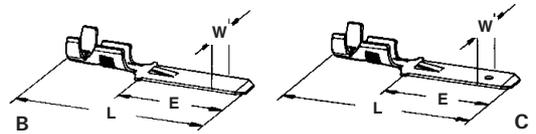
Size 6.3mm (.250 Series) - Tabs with Locking Lance for Single & Multiple Connections



Style	Tab Thk (mm)	Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	W	Dimension L	E	Part Number
A	0.8	0.8 - 2.5	3.0 - 4.0	Brass	6.3	28.0	15.8	42098-1
				Brass - tin plated				42098-2
				Phosphor bronze - tin plated				160450-2
				Phosphor bronze - silver plated				160450-3
B	0.8	0.3 - 1.0	2.3 max	Brass	6.3	27.0	15.8	293041-1
				Brass - tin plated				293041-2
				Phosphor bronze				160859-6
				Phosphor bronze - tin plated				160859-4
		0.5 - 1.0	1.4 - 2.3	Phosphor bronze - tin plated	6.3	28.0	15.8	160859-5
				Phosphor bronze - silver plated				160859-5
				Phosphor bronze				928962-3
				Phosphor bronze - tin plated				928962-4

Related to DIN 46343

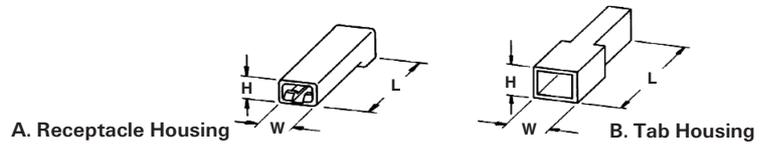
Size 2.8mm (.110 Series) - Tabs with Locking Lance for Single & Multiple Connections



Style	Tab Thk (mm)	Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	W	Dimension L	E	Part Number
B	0.8	0.5 - 1.0	1.4 - 2.3	Brass - tin plated	2.8	22.0	12.7	160887-4
		0.5 - 1.5	2.3 - 3.1	Brass - tin plated	3.7	14.0	6.3	160743-4
C	0.8	0.5 - 1.5	2.3 - 3.1	Phosphor bronze - tin plated	2.8	22.0	12.7	160762-2

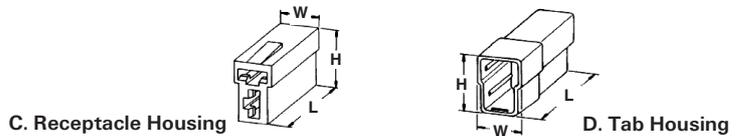
Related to DIN 46340

Size 6.3mm (.250 Series) - Receptacle and Tab Housings - Single Connection



Style	Material	UL 94	Colour	W	Dimension L	H	Part Number
A	Polyamide	V2	Natural	9.9	24.1	6.5	925324-2
B	Polyamide	V2	Natural	12.5	31.0	9.4	180916

Size 6.3mm (.250 Series) - Receptacle and Tab Housings - 2 positions



Style	Material	UL 94	Colour	W	Dimension L	H	Part Number
C	Polyamide	V2	Natural	10.2	22.9	16.6	180907
			Black				180907-5
D	Polyamide	V2	Natural	12.7	31.5	20.1	180908
			Black				180908-5

Positive Lock Connection System Size 6.3mm (.250 Series)

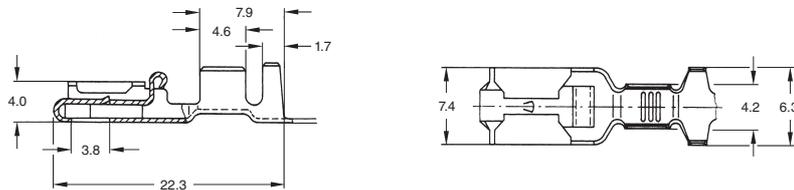
- Locks onto tabs containing holes
- Reduced insertion force
- Housing insulates and serves as removal tool
- "Snap" action tells assembler receptacles are mated properly
- Receptacles mate with 0.8mm thick tabs

Specification:

Housing - Polyamide UL94V-2
Contacts - Brass, phosphor bronze
Current Rating - 25A max with 4.0mm² wire size



180° Receptacle Contacts

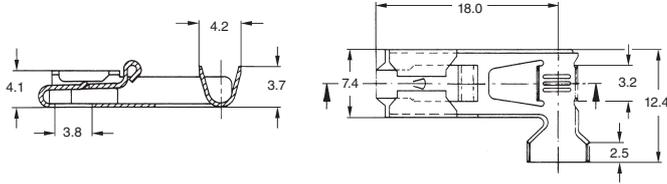


Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	Strip Form	Part Number	
					Loose Piece
0.5 - 1.0	1.4 - 2.3	CuZn, plain	927852-1	-	-
		CuSn, plain	927852-2	-	-
		CuZn, pre-tin plated	927852-6	-	-
		CuSn, pre-tin plated	927852-7	-	-
		CuSn, pre-tin plated	927852-8	-	-
0.5 - 1.5	2.3 - 3.3	CuZn, plain	160759-1	160773-1	-
		CuZn, tin plated	160759-3	160773-3	-
		CuSn, tin plated	160759-4	160773-4	-
		CuZn, tin plated	281827-2 ²	-	-
		CuZn, pre-tin plated	1-160759-1	-	-
		CuSn, pre-tin plated	1-160759-2	160773-7	-
0.7 - 2.0	2.3 - 3.3	CuZn, plain	154718-1	341002-1	-
		CuSn, tin plated	154718-4	-	-
		CuZn, pre-tin plated	154718-6	341002-6	-
		CuSn, pre-tin plated	154718-7	-	-
1.0 - 2.5	3.0 - 4.3	CuZn, tin plated	160831-3	-	-
		CuSn, tin plated	160831-4	-	-
1.0 - 2.5	2.1 - 3.1	CuSn, plain	927854-2	-	-
		CuZn, pre-tin plated	927854-6	-	-
		CuSn, pre-tin plated	927854-7	-	-
		CuSn, silver plated	927854-8	-	-
2.5 - 4.0	3.6 - 4.3	CuZn, plain	154717-1	-	-
		CuZn, tin plated	154717-3	-	-
		CuSn, tin plated	154717-4	-	-
		CuZn, pre-tin plated	154717-6	-	-
		CuSn, pre-tin plated	154717-7	-	-
		CuZn, tin plated	281828-2 ²	-	-
2.5 - 4.0	3.3 - 4.7	CuSn, plain	928958-2	-	-
		CuSn, silver plated	928958-8	-	-
4.0 - 6.0	3.4 - 5.1	CuZn, pre-tin plated	790319-3	-	-
		CuSn, plain	790319-4	-	-

² With ant-overstress

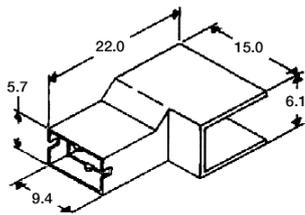
Positive Lock Connection System
Size 6.3mm (.250 Series) (continued)

90° Receptacle Contacts (Flag Type)



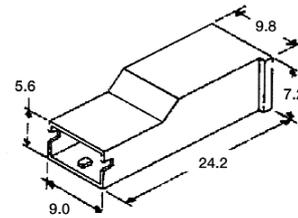
Wire Size (mm ²)	Insulation Diameter (mm)	Material and Finish	Part Number Strip Form
0.5 - 1.5	2.2 - 3.1	CuSn, pre-tin plated	926820-1
		CuSn, plain	926820-2
		CuZn, pre-tin plated	926820-4
		CuZn, plain	926820-5
1.0 - 2.5	3.1 - 4.3	CuZn, pre-tin plated	926790-4

90° Receptacle Housing (Flag Type)



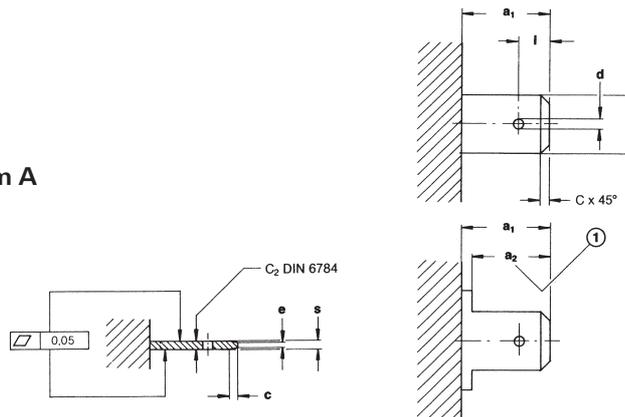
Material	UL94	Colour	Part Number
Polyamide	V2	Black	926291-1

180° Receptacle Housing



Material	UL94	Colour	Part Number
Polyamide	V2	Black	154719
Polyamide	V2	Natural	154719-1

180° Mating Tabs according DIN 46244, Form A



Nominal Size b - s	Dimensions (mm)								
	a1 min.	a2 min.	b ±0.1	c Tolerance	d +0.2 0.0	e Tolerance	l Tolerance	s Tolerance	
6.3 - 0.8	9.0	8.0	6.3	1.0 ± 0.3	1.65	0.4 ± 0.15 0.0	4.0 ± 0.5	0.8 ± 0.03	

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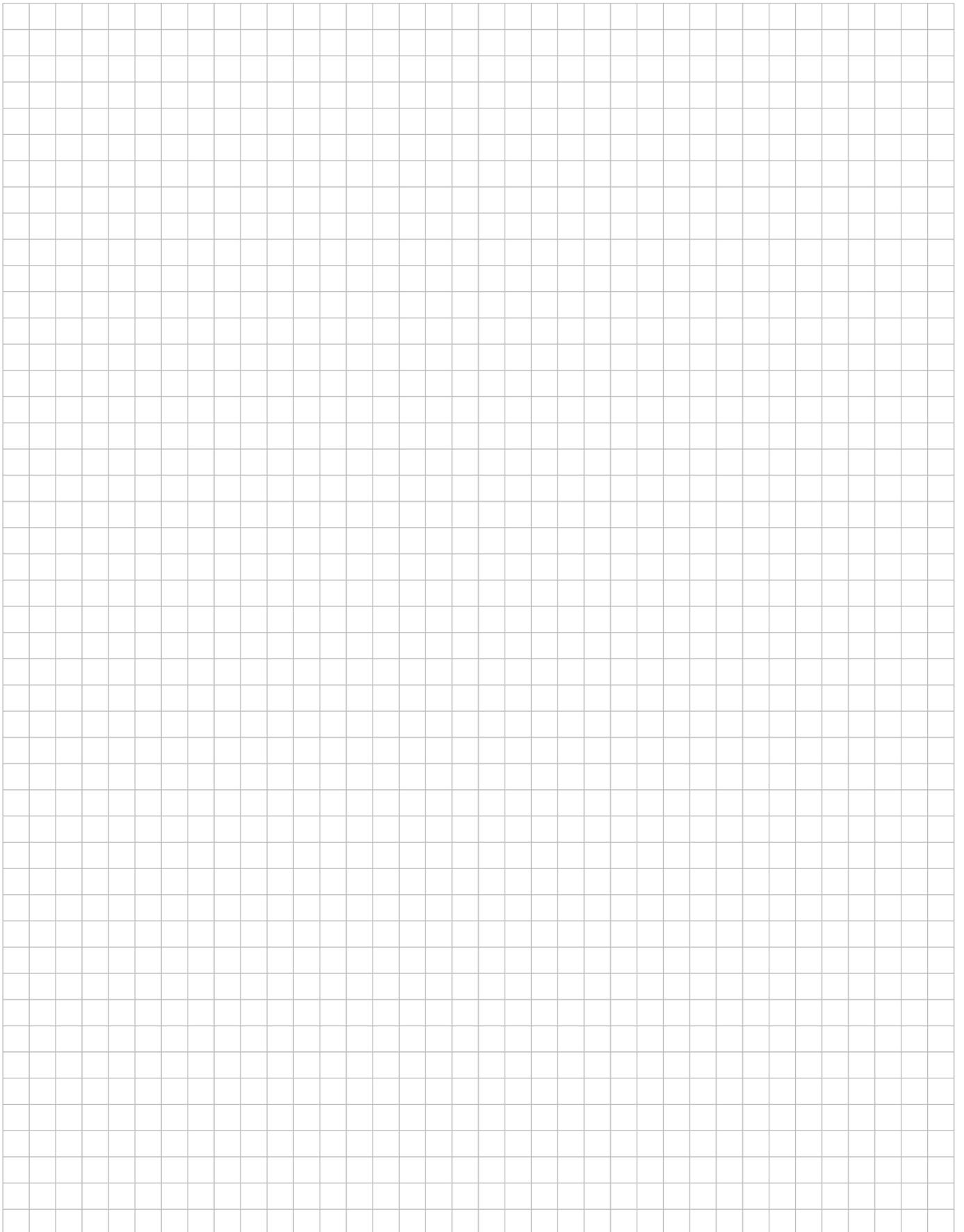
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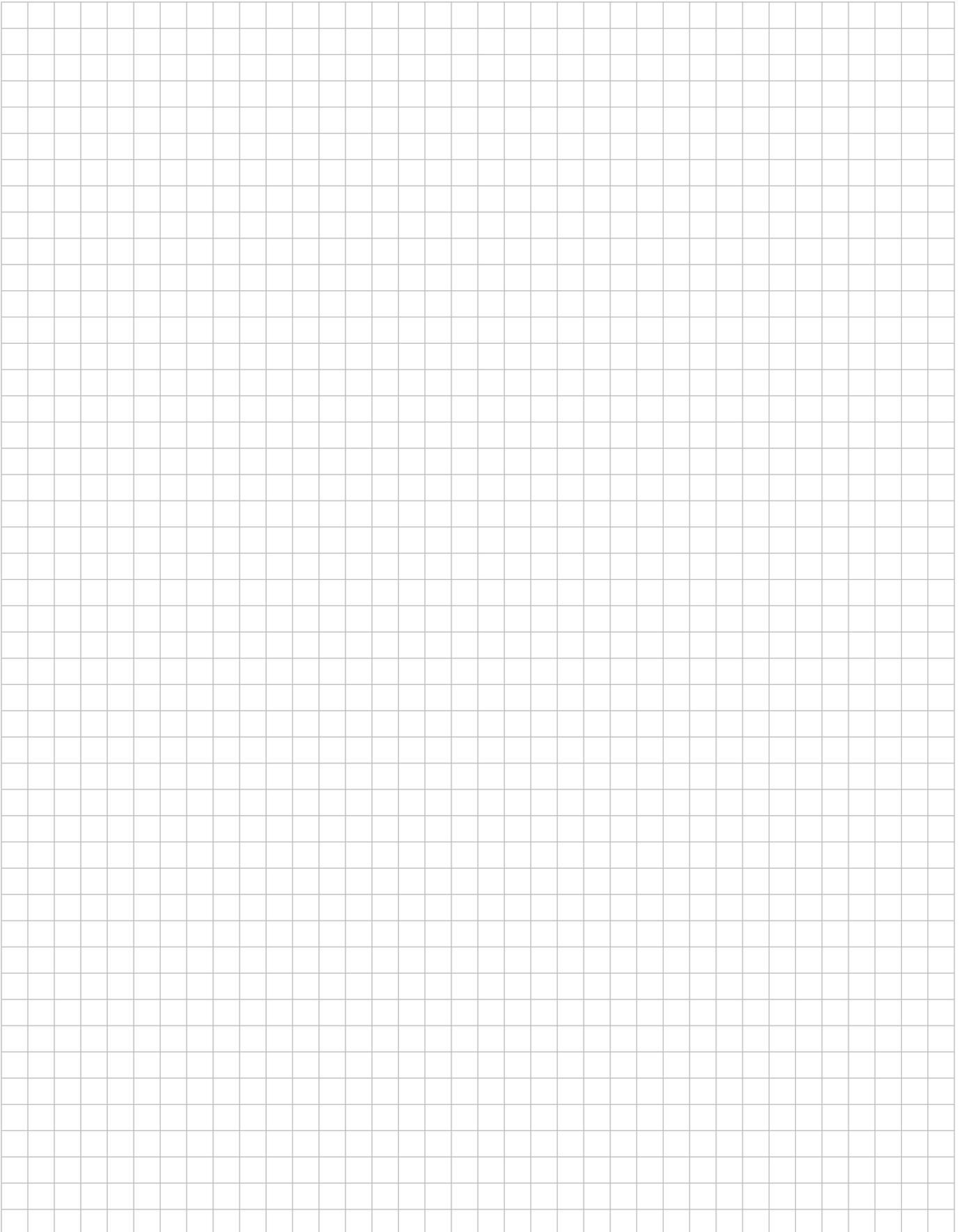
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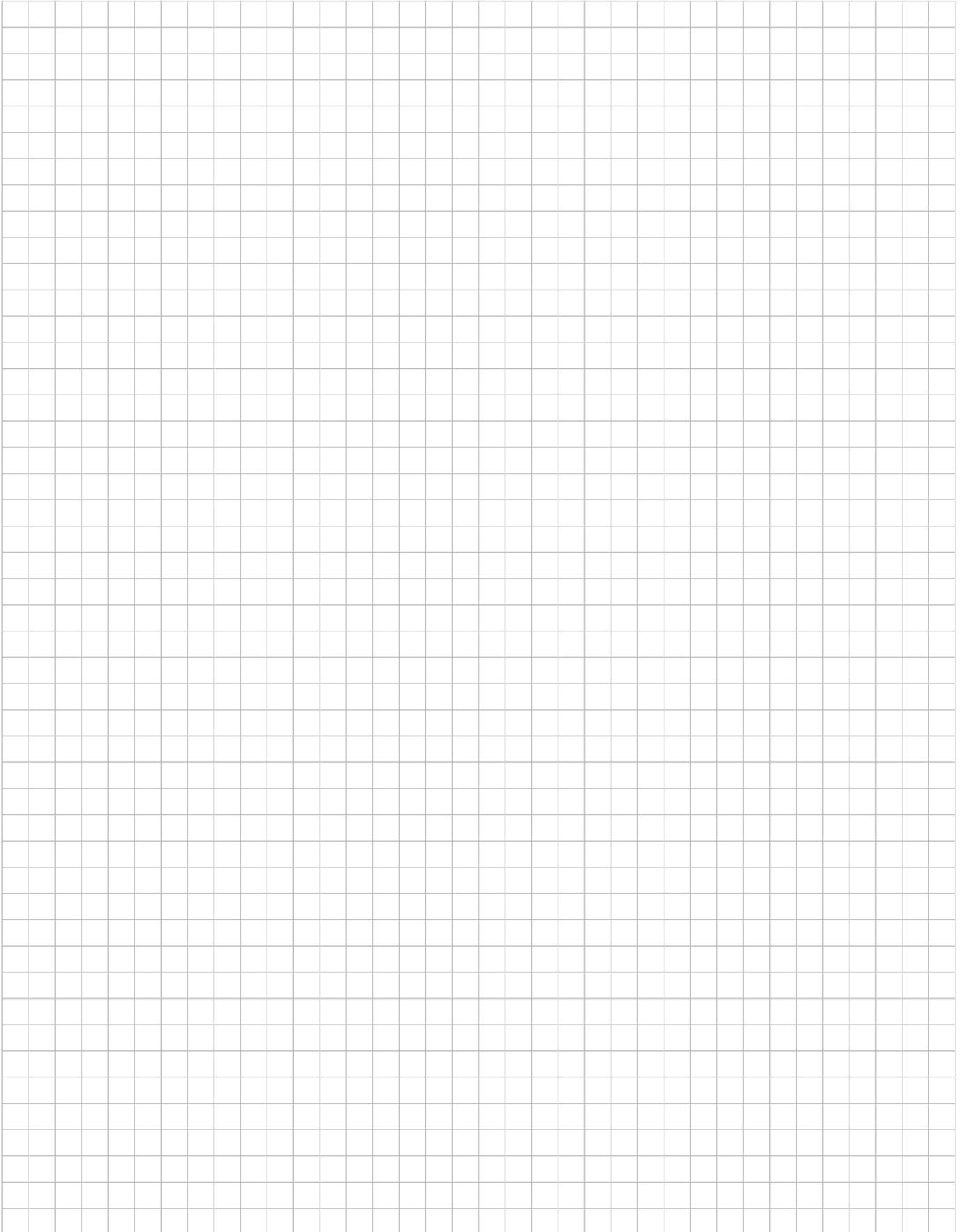
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