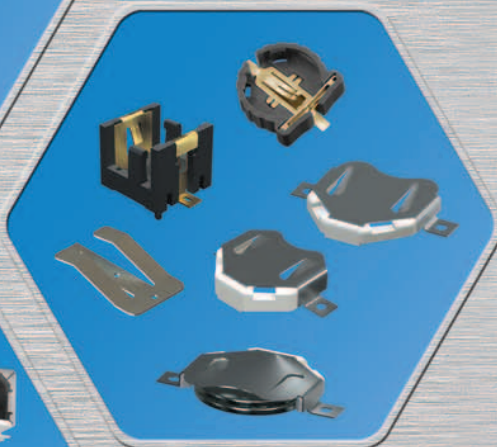
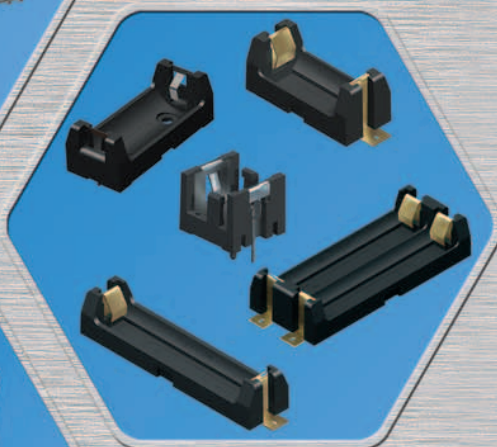
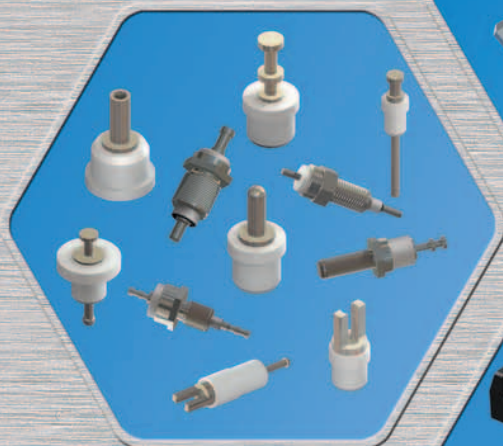
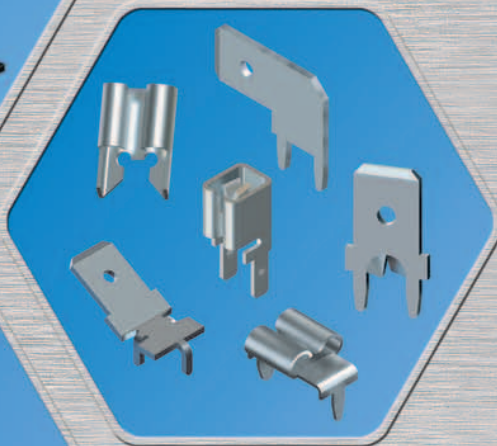
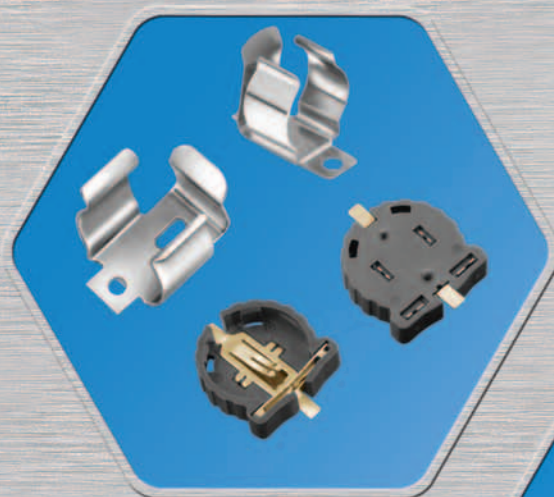




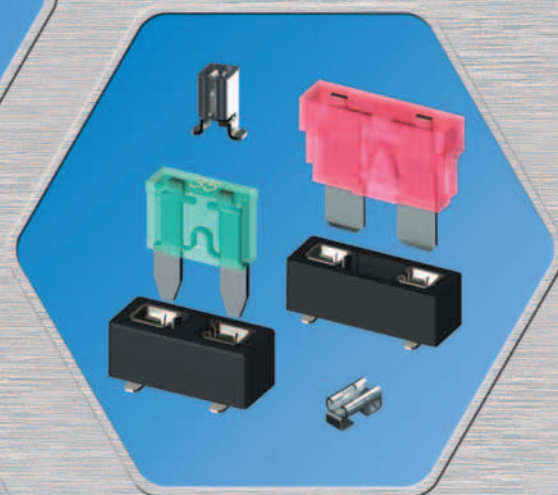
NEW PRODUCTS *for 2010*

DESIGNERS AND MANUFACTURERS
KEYSTONE[®]
ELECTRONICS CORP.
RoHS COMPLIANT - ISO 9001 CERTIFIED

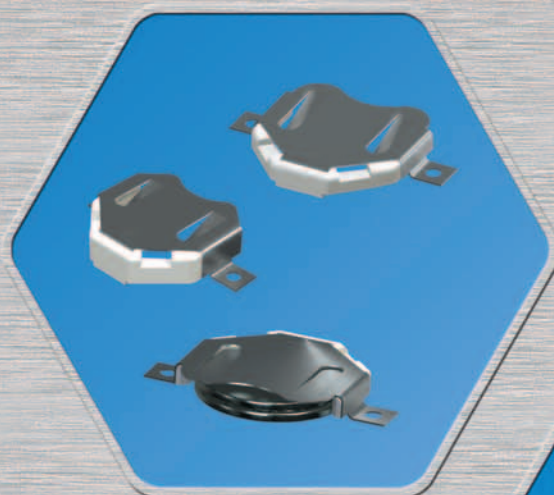
PRODUCT SPOTLIGHT



**Low Profile Surface Mount
Battery Clips & Holders**
Pages 1 - 3



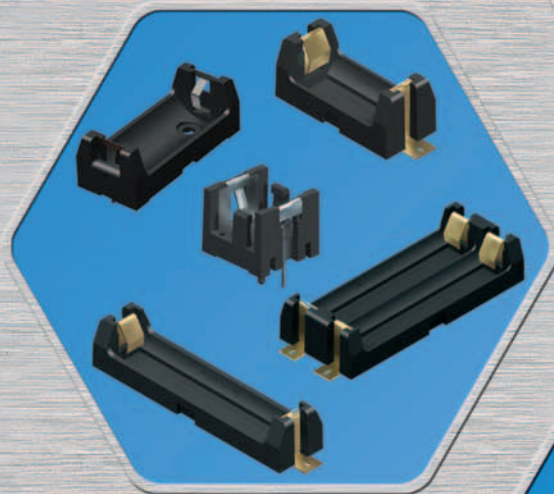
**Surface Mount
Fuse Clips & Holders**
Page 7



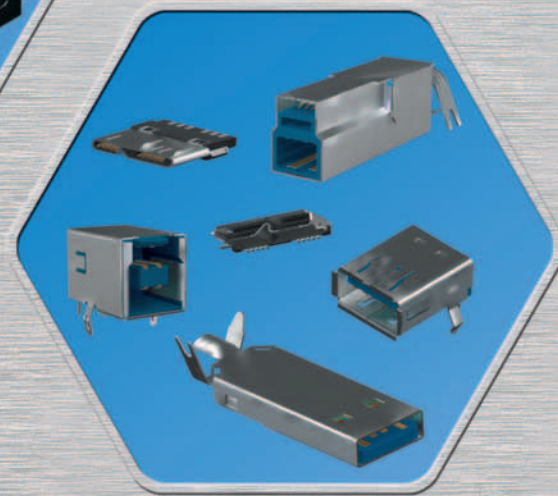
**6V Coin Cell
Battery Retainers**
Page 2



**UL Recognized Quick-fit
Terminals - E201546**
Pages 8 & 9



**Low Profile SMT & THM
Battery Holders**
Pages 4 & 5



3.0 USB Plugs & Sockets
Pages 10

SURFACE MOUNT BATTERY CLIPS/CONTACTS

AVAILABLE ON TAPE AND REEL

- "Flow-Hole" SMT solder tail design for increased joint strength
- Tin-Nickel plating is ideal for lead free, high temperature soldering
- Matte Tin plating is ideal for lower soldering temperatures for other temperature sensitive components

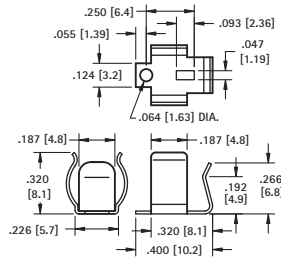
"AAAA"



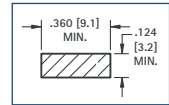
MATERIAL: .010 (.25) Spring Steel

TIN-NICKEL PLATE	MATTE TIN PLATE
CAT. NO.	CAT. NO.
BULK	TAPE
50	50TR
BULK	TAPE
550	550TR

Tape & Reel Spec's: 24mm wide; 16mm pitch; 13 inch reel, (500 pieces per reel)



Pad Layout



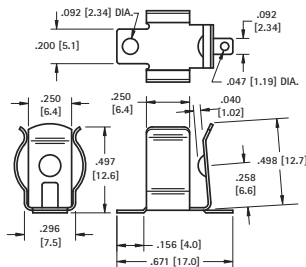
"AAA" "N"



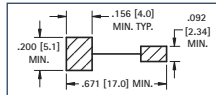
MATERIAL: .010 (.25) Spring Steel

TIN-NICKEL PLATE	MATTE TIN PLATE
CAT. NO.	CAT. NO.
BULK	TAPE
55	55TR
BULK	TAPE
555	555TR

Tape & Reel Spec's: 32mm wide; 16mm pitch; 13 inch reel, (300 pieces per reel)



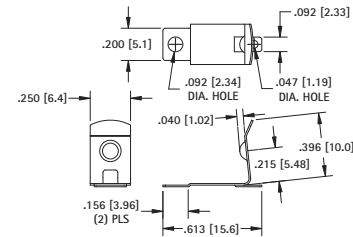
Pad Layout



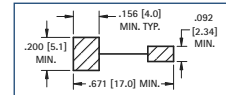
MATERIAL: .010 (.25) Spring Steel

TIN-NICKEL PLATE	MATTE TIN PLATE
CAT. NO.	CAT. NO.
BULK	TAPE
56	56TR
BULK	TAPE
556	556TR

Tape & Reel Spec's: 32mm wide; 12mm pitch; 13 inch reel, (500 pieces per reel)



Pad Layout



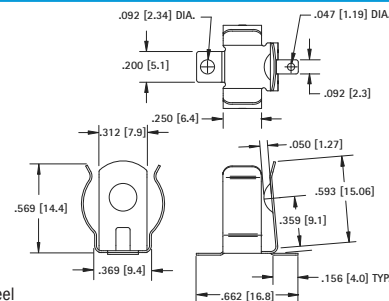
"A" "AA"



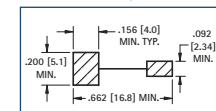
MATERIAL: .012 (.30) Spring Steel

TIN-NICKEL PLATE	MATTE TIN PLATE
CAT. NO.	CAT. NO.
BULK	TAPE
53	53TR
BULK	TAPE
553	553TR

Tape & Reel Spec's: 44mm wide; 24mm pitch; 13 inch reel, (150 pieces per reel)



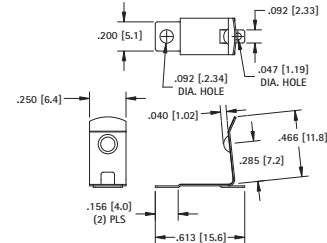
Pad Layout



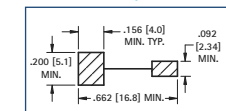
MATERIAL: .010 (.25) Spring Steel

TIN-NICKEL PLATE	MATTE TIN PLATE
CAT. NO.	CAT. NO.
BULK	TAPE
57	57TR
BULK	TAPE
557	557TR

Tape & Reel Spec's: 32mm wide; 12mm pitch; 13 inch reel, (400 pieces per reel)



Pad Layout



SURFACE MOUNT LEAF-SPRING CONTACTS

AVAILABLE ON TAPE AND REEL

- Economical & reliable contacts are ideal for surface mount applications
- Unique spring tension contacts adjust to variations in battery length
- Reliable spring tension contacts assure low contact resistance
- SMT solder tail with "flow-hole" design for increased joint strength

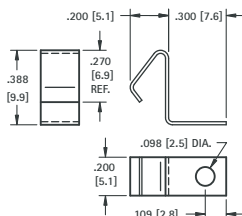
"AAA" "AAAA" "12V" "N"



MATERIAL: .010 (.25) Spring Steel

TIN-NICKEL PLATE	MATTE TIN PLATE
CAT. NO.	CAT. NO.
BULK	TAPE
5230	5230TR
BULK	TAPE
5330	5330TR

Tape and Reel Spec's: 24mm wide; 12mm pitch; 13 inch reel (400 pieces per reel)



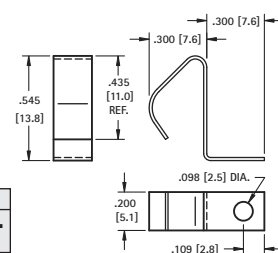
"A" "AA" "9V"



MATERIAL: .010 (.25) Spring Steel

TIN-NICKEL PLATE	MATTE TIN PLATE
CAT. NO.	CAT. NO.
BULK	TAPE
5231	5231TR
BULK	TAPE
5331	5331TR

Tape and Reel Spec's: 32mm wide; 16mm pitch; 13 inch reel (250 pieces per reel)



LOW PROFILE SURFACE MOUNT COIN CELL HOLDERS

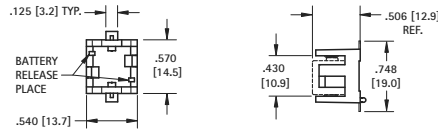
AVAILABLE ON TAPE AND REEL

- Surface mount coin cell holders designed for reflow or wave soldering.
- Battery can be installed and replaced with ease.

- Solder tails are viewable for quick inspection of the solder joint.
- All holders are available on tape and reel for pick and place applications.

- All conductive polystyrene carrier tape meets ANSI/EIA - 481 standard.

1/3N CELL



MATERIAL:

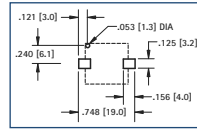
Contacts: .012 (.30) Phosphor Bronze, Gold Plate (Flash)
Base: High Temperature Nylon 46, UL94V-0

CAT. NO. 498 (Bulk)

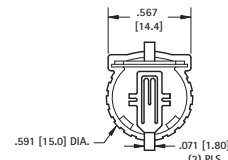
CAT. NO. 498TR (Tape & Reel)

Tape & Reel Spec's: 44mm wide; 24mm pitch; 13 inch reel (150 pieces per reel)

Pad Layout



TOP LOADING



MATERIAL:

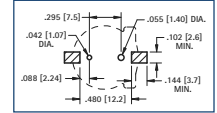
Contacts: .008 (.20) Phosphor Bronze, Gold Plate (Flash)
Base: Glass filled PPS, UL 94V-0

CAT. NO. 1056 (Bulk)

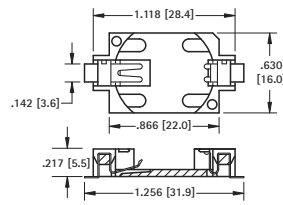
CAT. NO. 1056TR (Tape & Reel)

Tape & Reel Spec's: 32mm wide; 20mm pitch; 13 inch reel (500 pieces per reel)

Pad Layout



2025 / 2032 CELL



MATERIAL:

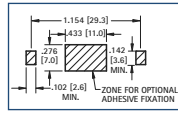
Contacts: .006 (.15) Phosphor Bronze, Gold Plate (Flash)
Base: Glass Filled LCP, UL 94V-0

CAT. NO. 1060 (Bulk)

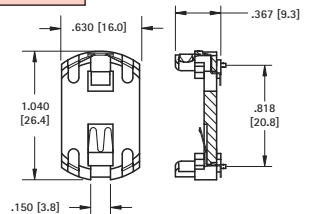
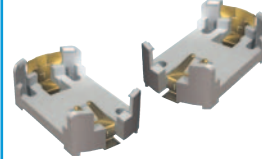
CAT. NO. 1060TR (Tape & Reel)

Tape & Reel Spec's: 44mm wide; 24mm pitch; 13 inch reel (500 pieces per reel)

Pad Layout



2450 CELL



MATERIAL:

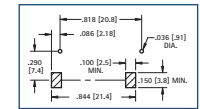
Contacts: .008 (.20) Phosphor Bronze, Gold Plate (Flash)
Base: High Temperature Nylon 46, UL94V-0

CAT. NO. 1054 (Bulk)

CAT. NO. 1054TR (Tape & Reel)

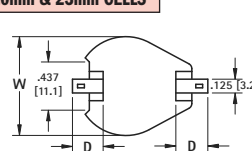
Tape & Reel Spec's: 44mm wide; 24mm pitch; 13 inch reel (200 pieces per reel)

Pad Layout



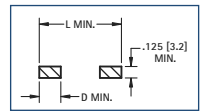
SIDE LOADING

20mm & 23mm CELLS



MATERIAL: **Contacts:** .015 (.38) Steel **Base:** High Temperature, Nylon 46, UL 94V-0
Tape & Reel Spec's: 44mm wide; 32mm pitch; 13 inch reel (200 pieces per reel)

Pad Layout



SMALL PAD PATTERN

Contacts: Tin Nickel-Plate

CAT. NO. BULK	CAT. NO. TAPE	CELLS	H	W	L	D	CELL	BATTERY
1061	1061TR	1	.290 (7.4)	.896 (22.8)	1.015 (25.8)	.156 (4.0)	20mm	2016*, 2020, 2025, 2032
1062	1062TR	2	.391 (9.9)	.896 (22.8)	1.015 (25.8)	.156 (4.0)	20mm	2016*, 2020, 2025, 2032
1071	1071TR	1	.290 (7.4)	1.000 (25.4)	1.015 (25.8)	.156 (4.0)	23mm	2320, 2325, 2330

*Cat. No. 1061 (1 or 2 cells); Cat. No. 1062 (3 cells)

Contacts: Gold Plate (Flash)

CAT. NO. BULK	CAT. NO. TAPE	CELLS	H	W	L	D	CELL	BATTERY
1081	1081TR	1	.290 (7.4)	.896 (22.8)	1.015 (25.8)	.156 (4.0)	20mm	2016*, 2020, 2025, 2032
1082	1082TR	2	.391 (9.9)	.896 (22.8)	1.015 (25.8)	.156 (4.0)	20mm	2016*, 2020, 2025, 2032
1091	1091TR	1	.290 (7.4)	1.000 (25.4)	1.015 (25.8)	.156 (4.0)	23mm	2320, 2325, 2330

*Cat. No. 1081 (1 or 2 cells); Cat. No. 1082 (3 cells)

LARGE PAD PATTERN

Contacts: Tin-Nickel-Plate

CAT. NO. BULK	CAT. NO. TAPE	CELLS	H	W	L	D	CELL	BATTERY
1063	1063TR	1	.290 (7.4)	.896 (22.8)	1.250 (31.8)	.278 (7.1)	20mm	2016*, 2020, 2025, 2032
1064	1064TR	2	.391 (9.9)	.896 (22.8)	1.250 (31.8)	.278 (7.1)	20mm	2016*, 2020, 2025, 2032
1073	1073TR	1	.290 (7.4)	1.000 (25.4)	1.250 (31.8)	.278 (7.1)	23mm	2320, 2325, 2330

*Cat. No. 1063 (1 or 2 cells); Cat. No. 1064 (3 cells)

Contacts: Gold Plate (Flash)

CAT. NO. BULK	CAT. NO. TAPE	CELLS	H	W	L	D	CELL	BATTERY
1093	1093TR	1	.290 (7.4)	.896 (22.8)	1.250 (31.8)	.278 (7.1)	20mm	2016*, 2020, 2025, 2032
1094	1094TR	2	.391 (9.9)	.896 (22.8)	1.250 (31.8)	.278 (7.1)	20mm	2016*, 2020, 2025, 2032
1083	1083TR	1	.290 (7.4)	1.000 (25.4)	1.250 (31.8)	.278 (7.1)	23mm	2320, 2325, 2330

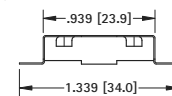
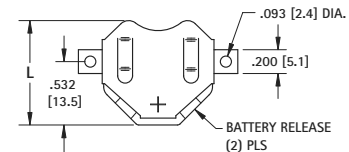
*Cat. No. 1093 (1 or 2 cells); Cat. No. 1094 (3 cells)

INSULATED RETAINERS

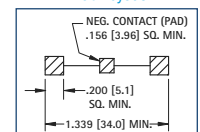
20mm CELLS



- Ideal for 6 volt or 3 volt applications.
- Two coin cell batteries can be installed in series.
- Plastic insulator prevents shorting of battery, within the holder, if installed improperly.
- Low profile.
- Battery release ports for easy battery replacement.



Pad Layout



MATERIAL: **Contacts:** .010 (.25) Phosphor Bronze

Insulator: High Temperature, Nylon 46, UL 94V-0

Tape & Reel Spec's: 44mm wide; 28mm pitch; 13 inch reel

3020TR, 3070TR 500 pieces per reel

3022TR, 3072TR 250 pieces per reel

TIN-NICKEL PLATE		MATTE TIN PLATE		BATTERY REFERENCE			
CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	L	H	6 volt (2) Cells	3 volt (1) Cell
BULK	TAPE	BULK	TAPE				
3020	3020TR	3070	3070TR	.890(22.6)	.156(4.0)	2012, 2016	2020, 2025
3022	3022TR	3072	3072TR	.877(22.3)	.240(6.1)	2020, 2025	2032

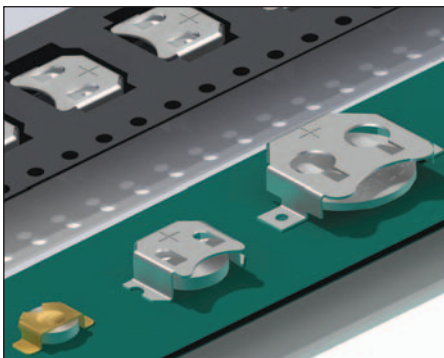
KEYSTONE®

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www.keyelco.com

31-07 20th Road - Astoria, NY 11105-2017

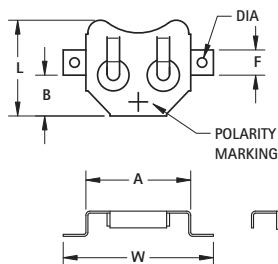
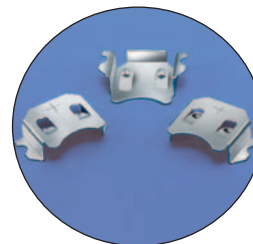
POSITIVE SURFACE MOUNT COMPACT CONTACTS



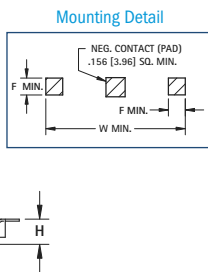
AVAILABLE ON TAPE AND REEL

SMT battery retainers are suited for high density PCB packaging. These contacts are ideal for automated placement in SMT applications. Engineered with reliable spring tension, these contacts assure low resistance while firmly securing the battery within the retainer.

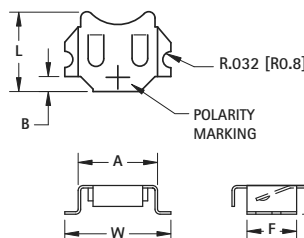
- Compatible with all wave and reflow operations
- Solder tails located outside of retainer body which facilitates visual inspection of the solder joints.
- Flow-hole solder tail designed for increased joint strength
- Compatible with most vacuum and mechanical pick & place assembly systems
- Matte Tin Finish for lower soldering temperatures needed for other temperature sensitive components
- Tin Nickel plated retainers are ideal for lead free, high temperature soldering applications
- All conductive polystyrene carrier tape meets ANSI/EIA-481 standards



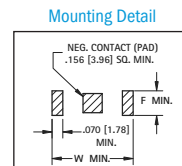
DWG. 1



Mounting Detail

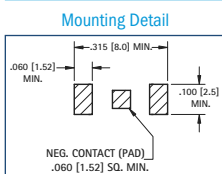


DWG. 2

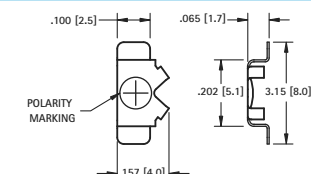


Mounting Detail

TIN-NICKEL PLATE		MATTE TIN PLATE		MATERIAL: .010 (.25) Phosphor Bronze										
CAT. NO. BULK	CAT.NO. TAPE	CAT. NO.	CAT.NO. TAPE	DWG. NO.	A	B	F	DIA	L	W	H	CELL DIA.	BATTERY REFERENCE	TAPE & REEL SPEC'S SUPPLIED ON 13" REELS
2998	2998TR	3098	3098TR	2	.315 (8.0)	.060 (1.5)	.197 (5.0)	NO HOLE	.315 (8.0)	.421 (10.7)	.114 (2.9)	6.8mm	MC621, V364, SC621	24mm wide; 12mm pitch; 1250/reel
2996	2996TR	3096	3096TR	1	.520 (13.2)	.203 (5.1)	.125 (3.2)	.052 (1.3)	.475 (12.1)	.700 (17.8)	.235 (6.0)	11.6mm	SR44, LR44, 357, MS76, PX76A, G-13, 303, V313	32mm wide; 16mm pitch; 600/reel
3000	3000TR	3080	3080TR	1	.520 (13.2)	.203 (5.1)	.125 (3.2)	.047 (1.2)	.475 (12.1)	.745 (18.9)	.125 (3.2)	12mm	BR1216, CR1216, BR1220, CR1220, DL1225	32mm wide; 16mm pitch; 1000/reel
3012	3012TR	3092	3092TR	1	.664 (16.9)	.281 (7.1)	.125 (3.2)	.047 (1.2)	.594 (15.1)	.914 (23.2)	.156 (4.0)	16mm	BR1612, BR1616, CR1616, CR1620, DL1632	44mm wide; 24mm pitch; 600/reel
3026	3026TR	3078	3078TR	1	.831 (21.1)	.317 (8.0)	.200 (5.1)	.093 (2.4)	.782 (19.9)	1.210 (30.7)	.085 (2.2)	20mm	BR2016, CR2016, DL2016	44mm wide; 24mm pitch; 1000/reel
3002	3002TR	3082	3082TR	1	.831 (21.1)	.317 (8.0)	.200 (5.1)	.093 (2.4)	.782 (19.9)	1.210 (30.7)	.156 (4.0)	20mm	BR2016, CR2016, DL2020, CR2025, DL2025	44mm wide; 24mm pitch; 500/reel
3004	3004TR	3084	3084TR	1	.939 (23.9)	.375 (9.5)	.200 (5.1)	.093 (2.4)	.832 (21.1)	1.339 (34.0)	.156 (4.0)	23mm	BR2320, CR2320, BR2325, CR2325, DL2325	56mm wide; 32mm pitch; 400/reel
3010	3010TR	3090	3090TR	1	.939 (23.9)	.375 (9.5)	.200 (5.1)	.093 (2.4)	.819 (20.8)	1.339 (34.0)	.240 (6.1)	23mm	CR2354, DL2354	56mm wide; 32mm pitch; 200/reel
3006	3006TR	3086	3086TR	1	1.000 (25.4)	.406 (10.3)	.200 (5.1)	.093 (2.4)	.918 (23.3)	1.400 (35.6)	.156 (4.0)	24mm	CR2430, DL2430	56mm wide; 32mm pitch; 400/reel
3008	3008TR	3088	3088TR	1	1.000 (25.4)	.406 (10.3)	.200 (5.1)	.093 (2.4)	.890 (22.6)	1.400 (35.6)	.230 (5.8)	24mm	CR2450, DL2450	56mm wide; 32mm pitch; 200/reel

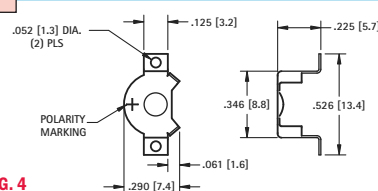


4.8mm CELL

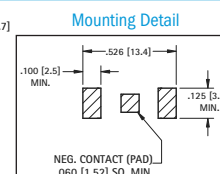


DWG. 3

HEARING AID CELL



DWG. 4



7.9mm CELL

CAT. NO.	CAT. NO. TAPE	DWG. NO.	MATERIAL	FINISH	CELL DIA.	BATTERY REFERENCE	TAPE & REEL SPEC'S SUPPLIED ON 13" REELS
2994	2994TR	3	.006 (.15) Phosphor Bronze	Gold Plate	4.8mm	ML414, SR416	16mm wide; 8mm pitch; 1500/reel
2988	2988TR	4	.010 (.25) Phosphor Bronze	(Flash)	7.9mm	DA13, AZ13E, PR13H, V13AT	24mm wide; 12mm pitch; 1000/reel

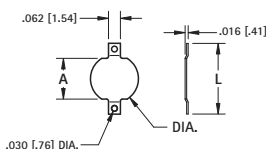
NEGATIVE SURFACE MOUNT COMPACT CONTACTS

- Economical
- Space saving
- Ideal for self-contained battery compartments
- Contact us for modifications and custom design
- Assures proper contact

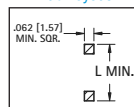


MATERIAL:
.008 (.20) Brass

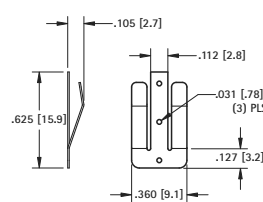
COMPACT



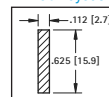
Pad Layout



SPRING CONTACT



Pad Layout



TIN-NICKEL PLATE		MATTE TIN PLATE		L	A	DIA.	TAPE & REEL SPECS SUPPLIED ON 7" REELS
CAT. NO.	CAT. NO. TAPE	CAT. NO.	CAT. NO. TAPE				
2991	2991TR	2981	2981TR	.368 (9.4)	.212 (5.4)	.250 (6.4)	16mm wide, 8mm pitch, 1500 pieces per reel
2992	2992TR	2982	2982TR	.289 (7.4)	.133 (3.4)	.186 (4.7)	16mm wide, 12mm pitch, 1000 pieces per reel

TIN-NICKEL PLATE		MATTE TIN PLATE	
CAT. NO.	CAT. NO. TAPE	CAT. NO.	CAT. NO. TAPE
2993	2993TR	2983	2983TR

MATERIAL: .010 (.25) Brass
Tape & Reel Spec's: 32mm wide; 20mm pitch; 13 inch reel (1500 pieces per reel)

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THM LOW PROFILE LITHIUM & ALKALINE CELL HOLDERS

"1/2AA" "AA", "2/3A"

FEATURES

- Snap-In PC contact holds in position for wave soldering
- Tin Nickel Plated contacts for excellent solderability and durability
- Polarity clearly marked for orientation
- Snap-on retainer cover (optional) retains battery securely to withstand shock and vibration. Helps protect against shorting. Tamper-proof.

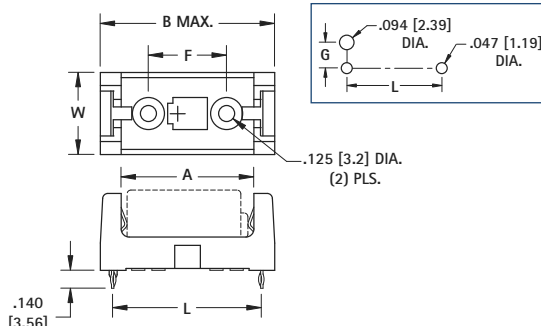
APPLICATIONS

- Computer memory, power backup systems.
- Telecommunications
- Residential, industrial and commercial security systems
- PLC and industrial controls

LOW PROFILE



Mounting Detail



SPECIFICATIONS

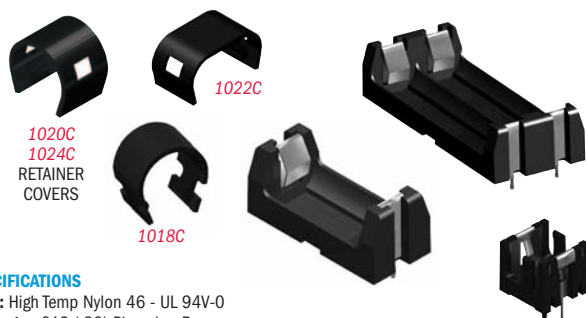
Base/Retainer Cover: PBT, UL 94V-0

Contacts: .012 (.30) Spring Steel, Tin-Nickel Plate

Operating Temp Range: -60°F to 290°F (-50°C to 145°C)

HOLDER	COVER	CAT. NO.	CAT. NO.	L	W	H (Ref. Dim)	A	B (MAX)	F	G	CELL SIZE	BATTERY CROSS REFERENCE
108	108C			1.160 (29.5)	.640 (16.3)	.633 (16.1)	1.030 (26.2)	1.360 (34.5)	.610 (15.5)	.279 (7.1)	"1/2 AA"	Energizer 544, Duracell PX28L, Kodak K28A & KS28, Panasonic CR14250, Saft LCP3, Maxell 4LR44, Sanyo CR14250SE
1028	1024C 1028C			2.160 (54.9)	.640 (16.3)	.633 (16.1)	2.030 (51.6)	2.360 (59.9)	1.610 (40.9)	.279 (7.1)	"AA"	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
1029	1029C 1029LC			1.500 (38.1)	.720 (18.3)	.712 (18.1)	1.375 (34.9)	1.700 (43.2)	.950 (24.1)	.32 (8.1)	"2/3 A"	Duracell DL2/3A, Kodak K123L, Panasonic CR123A, Saft 450SC & VR0450, Sanyo CR17335SE

ULTRA LOW PROFILE



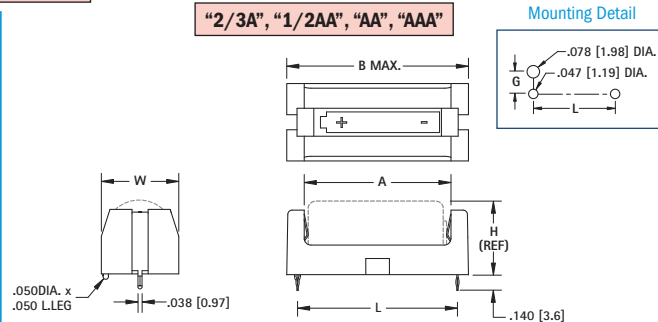
SPECIFICATIONS

Base: High Temp Nylon 46 - UL 94V-0

Contacts: .012 (.30) Phosphor Bronze

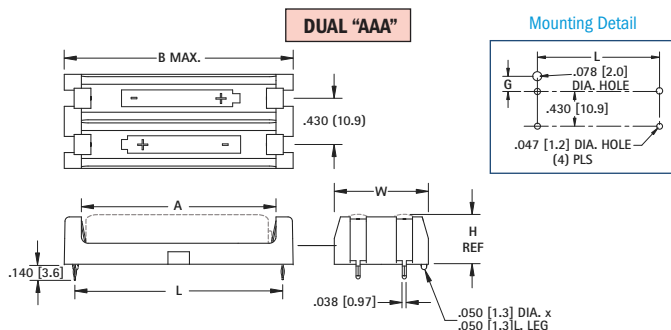
Operating Temp Range: -60°F to 290°F (-50°C to 145°C)

Mounting Detail



Finish: Tin-Nickel Plate

DWG. 1



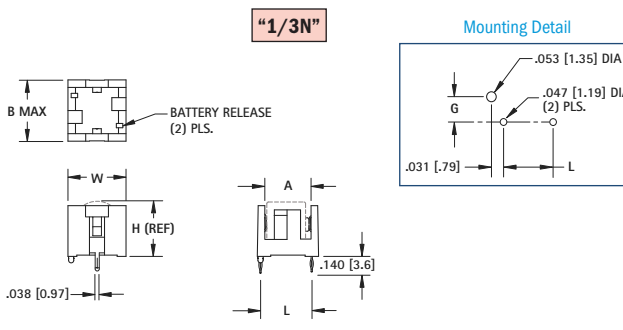
Finish: Tin-Nickel Plate

DWG. 2

HOLDER	COVER	CAT. NO.	CAT. NO.	DWG NO.	L	W	H (Ref. Dim)	A	B (MAX)	G	CELL SIZE	BATTERY CROSS REFERENCE
1019	1018C			1	1.487 (37.8)	.720 (18.3)	.682 (17.3)	1.365 (34.7)	1.690 (42.9)	.319 (8.1)	"2/3 A"	Duracell DL2/3A, Kodak K123L, Panasonic CR123A, Saft 450SC & VR0450, Sanyo CR17335SE
1017	1024C			1	1.156 (29.4)	.612 (15.5)	.603 (15.3)	1.030 (26.2)	1.360 (34.5)	.265 (6.7)	"1/2 AA"	Energizer 544, Duracell PX28L, Kodak K28A & KS28, Saft LCP3, Maxell 4LR44, Sanyo CR14250SE
1015	1024C			1	2.145 (54.5)	.612 (15.5)	.603 (15.3)	2.040 (51.8)	2.359 (59.9)	.265 (6.7)	"AA"	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
1021	1020C			1	1.933 (49.1)	.500 (12.7)	.445 (11.3)	1.810 (46.0)	2.140 (54.4)	.209 (5.3)	"AAA"	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
1023	1022C			2	1.933 (49.1)	.875 (22.2)	.445 (11.3)	1.810 (46.0)	2.140 (54.4)	.182 (4.6)	"AAA" (2)	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
503	—			3	.450 (11.4)	.540 (13.7)	.506 (12.9)	.430 (10.9)	.570 (14.5)	.240 (6.1)	"1/3 N"	Duracell DL1/3N, Sanyo K58L, Energizer CR1/3N

Finish: Tin Plate

DWG. 3



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electronic components distributor

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SMT LOW PROFILE LITHIUM & ALKALINE CELL HOLDERS

FEATURES

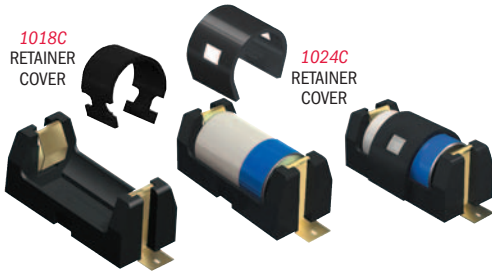
- Low profile surface mount Holders for Cylindrical Lithium and Alkaline batteries.
- UL 94V-0 Heat resistant Nylon Housings well suited for reflow soldering.
- Designed for vacuum pick and place assembly.
- Gold-plated Phosphor Bronze contacts assure low contact resistance and are readily solderable.

"1/2 AA" • "AA" • "2/3 A"

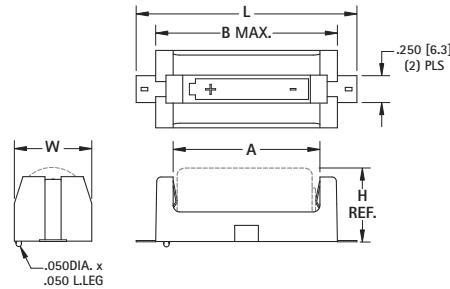
- Ideal for both lead free solder and traditional solder process.
- Battery installation and removal does not require tools.
- Securely holds battery in place.
- Polarity clearly marked for orientation.
- Operating temp range: -60°F to 290°F (-50°C to 145°C).

APPLICATIONS

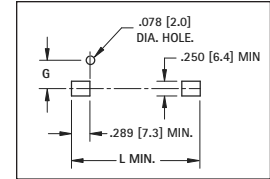
- Computer memory, power backup systems.
- Telecommunications
- Residential, industrial and commercial security systems
- PLC and industrial controls



ULTRA LOW PROFILE



Mounting Detail



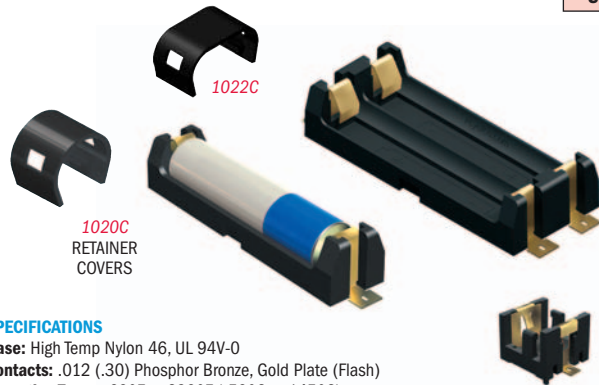
SPECIFICATIONS

Base: High Temp Nylon 46, UL 94V-0

Contacts: .012 (.30) Phosphor Bronze, Gold Plate (Flash)

CAT. NO. BULK	CAT. NO. TAPE	COVER	L	W	H (REF)	A	B (MAX)	G	CELL SIZE	TAPE & REEL SPECS PACKED ON 13" REEL	BATTERY CROSS REFERENCE
1016	1016TR	1024C	1.723 (43.8)	.612 (15.5)	.603 (15.3)	1.030 (26.2)	1.360 (34.5)	.265 (6.7)	"1/2 AA"	56mm wide, 24mm pitch, 125 pcs/reel	Energizer 544, Duracell PX28L, Kodak K28A & KS28, Panasonic CR14250, Saft LCP3, Maxell 4LR44, Sanyo CR14250SE
1024	1024TR	1024C	2.711 (68.9)	.612 (15.5)	.603 (15.3)	2.040 (51.8)	2.359 (59.9)	.265 (6.7)	"AA"	88mm wide, 24mm pitch, 125 pcs/reel	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
1018	1018TR	1018C	2.053 (52.2)	.720 (18.3)	.682 (17.3)	1.365 (34.7)	1.690 (42.9)	.319 (8.1)	"2/3 A"	72mm wide, 32mm pitch, 100 pcs/reel	Duracell DL2/3A, Kodak K123L, Panasonic CR123A, Saft 450SC & VR0450, Sanyo CR17335SE

ULTRA LOW PROFILE

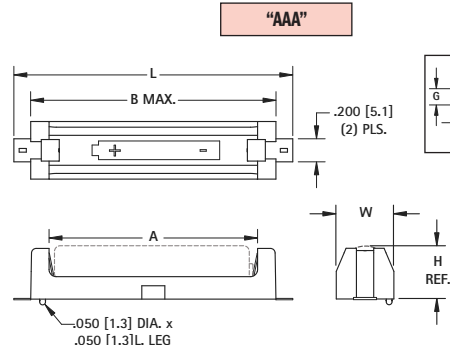


SPECIFICATIONS

Base: High Temp Nylon 46, UL 94V-0

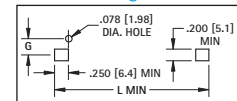
Contacts: .012 (.30) Phosphor Bronze, Gold Plate (Flash)

Operating Temp: -60°F to 290°F (-50°C to 145°C)

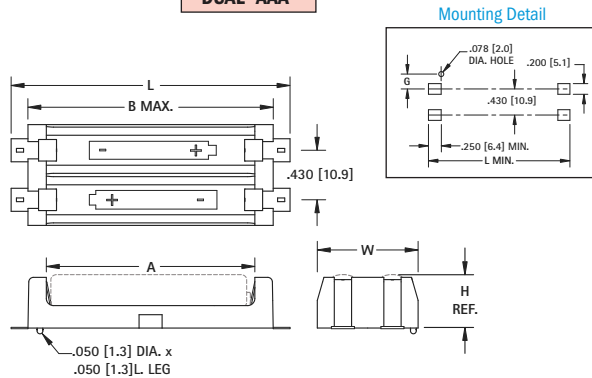


DWG 1

Mounting Detail

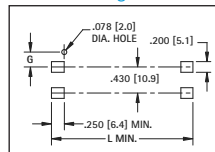


DUAL "AAA"

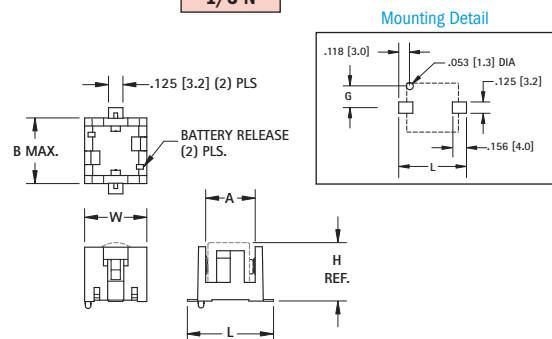


DWG 2

Mounting Detail

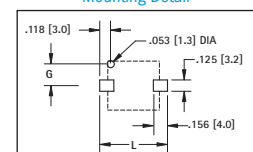


1/3 N



DWG 3

Mounting Detail



CAT. NO. BULK	CAT. NO. TAPE	COVER	DWG NO.	L	W	H (REF)	A	B (MAX)	G	CELL SIZE	TAPE AND REEL SPECS PACKED ON 13" REEL	BATTERY CROSS REFERENCE
1020	1020TR	1020C	1	2.421 (61.5)	.500 (12.7)	.445 (11.3)	1.810 (46.0)	2.140 (54.4)	.209 (5.3)	"AAA"	88mm Wide, 24mm pitch, 200 pcs/reel	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
1022	1022TR	1022C	2	2.421 (61.5)	.875 (22.2)	.445 (11.3)	1.810 (46.0)	2.140 (54.4)	.182 (4.6)	"AAA" (2)	88mm Wide, 32mm pitch, 125 pcs/reel	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
498	498TR	—	3	.748 (19.0)	.540 (13.7)	.506 (12.9)	.430 (10.9)	.570 (14.5)	.240 (6.1)	"1/3 N"	44mm Wide, 24mm pitch, 125 pcs/reel	Duracell DL1/3N, Sanyo K58L, Energizer CR1/3N

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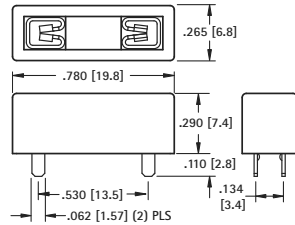
THM "AUTO" BLADE FUSE HOLDERS

- Accepts Standard Auto Fuses or Low Profile Mini Fuses
- Low insertion force
- Fuse holder fully insulates clips to protect fuse from shorting



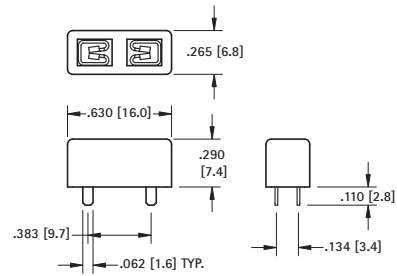
2 IN 1 FUSE HOLDER

For Standard: Littelfuse: ATO series/Bussmann ATC series.
For Low Profile: Littelfuse: 891 series/
Bussmann ATM-LP series



MINI FUSE HOLDER

For Mini: Littelfuse: MIN series/
Bussmann ATM series or equivalent

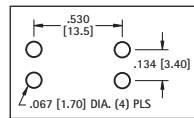


SPECIFICATIONS

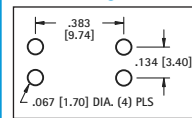
Contacts: .016 (.41) Brass,
Tin-Nickel Plate
Insulator: High Temp Nylon 46 - UL 94V-0
Current Rating: 20 Amps @ 500V AC
Temperature Rating: -58°F to +292°F
(-50°C to +145°C)

CAT. NO. 3557-2

Mounting Detail



Mounting Detail



SPECIFICATIONS

Contacts: .016 (.41) Brass,
Tin-Nickel Plate
Insulator: High Temp Nylon 46 - UL 94V-0
Current Rating: 20 Amps @ 500V AC
Temperature Rating: -58°F to +292°F
(-50°C to +145°C)

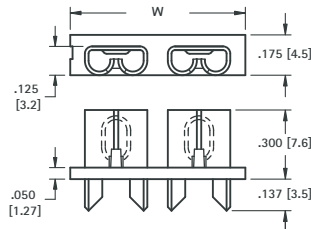
CAT. NO. 3568

STANDARD "AUTO" BLADE FUSE HOLDERS

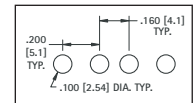
For Standard: Littelfuse ATO series/Bussmann ATC series or equivalent

VERTICAL FUSE ENTRY

- Thru hole PC mountable, maintains position during wave soldering
- Holder design prevents solder wicking
- Withstands the rigors of shock and vibration
- Holds fuse securely, even after multiple insertions

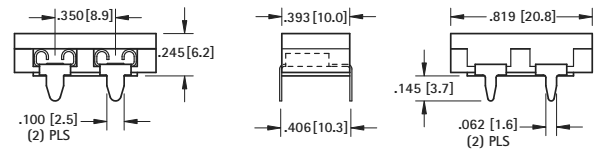


Mounting Detail

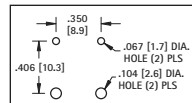


HORIZONTAL FUSE ENTRY

- Designed for low height clearance applications
- Fuse will be inserted parallel to board
- Thru hole PC mountable, maintains position during wave soldering
- Fuse holder fully insulates clips to protect fuse from shorting
- Holder assures proper spacing and reduces assembly time
- Polarized legs assure proper orientation of clips onto board



Mounting Detail



SPECIFICATIONS

Contacts: .012 (.30) Brass, Nickel Plate
Insulator: PBT, UL 94V-0
Current Rating: 30 Amps @ 500V AC
Temperature Rating: -58°F to +292°F
(-50°C to +145°C)

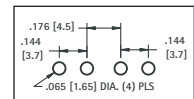
CAT. NO. 3550-2

MINI "AUTO" BLADE FUSE HOLDER

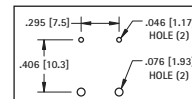
For Mini: Littelfuse Mini series/Bussmann ATM series or equivalents

VERTICAL FUSE ENTRY

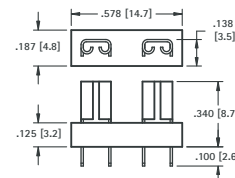
Mounting Detail



Mounting Detail



HORIZONTAL FUSE ENTRY



SPECIFICATIONS

Material: .012 (.30) Brass, Tin Plate
Insulator: Glass filled Nylon, UL 94V-0
Current Rating: 30 Amps @ 500V AC
Temperature Rating: -58°F to +292°F (-50°C to +145°C)

CAT. NO. 3544-2

SPECIFICATIONS

Contacts: .012 (.30) Brass, Nickel Plate
Insulator: PBT, UL 94V-0
Current Rating: 30 Amps @ 500V AC
Temperature Rating: -58°F to +292°F (-50°C to +145°C)

CAT. NO. 3549-2

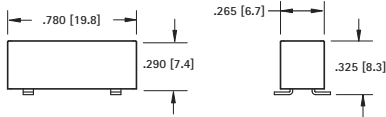
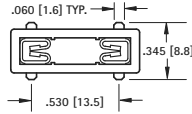
SMT "AUTO" BLADE FUSE HOLDERS

- Compatible with most vacuum and mechanical pick and place assembly systems.
- Fully insulated clips to protect fuses against shorting.

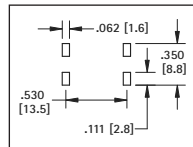
- One piece assembly reduces assembly time
- Withstands shock and vibration.

2 in 1 FUSE HOLDER

For Standard: Littelfuse: ATO series/
Bussmann ATC series.
For Low Profile: Littelfuse: 891 series/
Bussmann ATM-LP series



Mounting Detail



SPECIFICATIONS

Contacts: .016 (.41) Brass, Tin-Nickel Plate

Insulator: High Temperature Nylon 46, UL 94V-0

Temperature Rating: -58°F to +292°F (-50°C to +145°C)

Current Rating: 20 Amps @ 500V AC

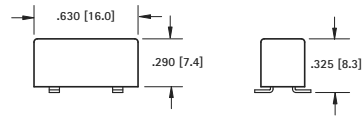
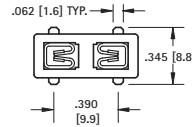
CAT. NO. 3587 (Bulk)

CAT. NO. 3587TR (Tape & Reel)

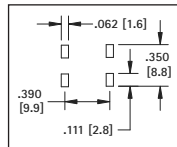
Tape & Reel Spec's: 32mm wide, 16mm pitch, 13 inch reel (750 pieces per reel)

MINI FUSE HOLDER

For Mini: Littelfuse: MIN series/
Bussmann ATM series or equivalent



Mounting Detail



SPECIFICATIONS

Contacts: .016 (.41) Brass, Tin-Nickel Plate

Insulator: High Temperature Nylon 46, UL 94V-0

Temperature Rating: -58°F to +292°F (-50°C to +145°C)

Current Rating: 20 Amps @ 500V AC

CAT. NO. 3588 (Bulk)

CAT. NO. 3588TR (Tape & Reel)

Tape & Reel Spec's: 32mm wide, 16mm pitch, 13 inch reel (500 pieces per reel)

SMT "AUTO" BLADE FUSE CLIPS

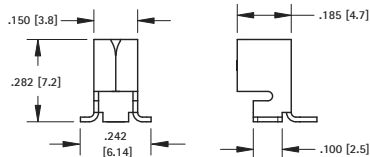
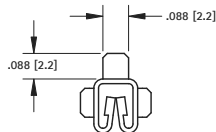
- Compatible with most vacuum and mechanical pick and place assembly systems.
- Three low profile designs - Thru board - Vertical entry - Horizontal entry.

- Accepts standard and mini blade automotive fuses.
- Clip with Matte-Tin plate is ideal for low temperature soldering applications, for other temperature sensitive components.

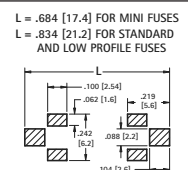
- Clips with Tin-Nickel plate are ideal for lead free, high temperature soldering applications.

VERTICAL ENTRY

For Mini: Littelfuse: MIN series/Bussmann ATM series.
For Standard: Littelfuse: ATO series/Bussmann ATC series.
For Low Profile: Littelfuse: 891 series/Bussmann ATM-LP series



Mounting Detail For Two Clips



SPECIFICATIONS

Material: .016 (.41) Brass, Tin-Nickel Plate

Current Rating: 20 Amps @ 500V AC

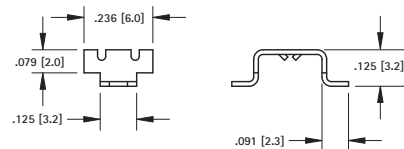
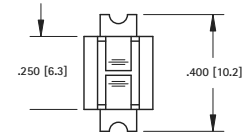
CAT. NO. 3586 (Bulk)

CAT. NO. 3586TR (Tape & Reel)

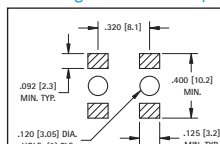
Tape & Reel Spec's: 16mm wide, 12mm pitch, 13 inch reel (750 pieces per reel)

VERTICAL ENTRY

For Mini: Littelfuse: MIN series/Bussmann ATM series or equivalent



Mounting Detail For Two Clips



SPECIFICATIONS

Material: .016 (.41) Brass, Matte Tin Plate

Current Rating: 30 Amps @ 500V AC

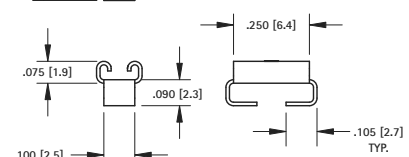
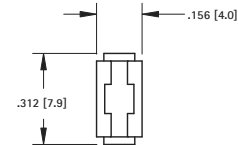
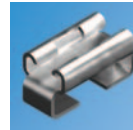
CAT. NO. 3563 (Bulk)

CAT. NO. 3563TR (Tape & Reel)

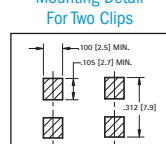
Tape & Reel Spec's: 24mm wide, 12mm pitch, 13 inch reel (1500 pieces per reel)

HORIZONTAL ENTRY

For Mini: Littelfuse: MIN series/Bussmann ATM series or equivalent



Mounting Detail For Two Clips



SPECIFICATIONS

Material: .012 (.30) Brass, Tin-Nickel Plate

Current Rating: 15 Amps @ 500V AC

CAT. NO. 3569 (Bulk)

CAT. NO. 3569TR (Tape & Reel)

Tape & Reel Spec's: 24mm wide, 8mm pitch, 13 inch reel (2000 pieces per reel)

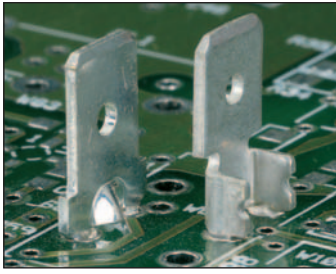
PC QUICK-FIT MALE TERMINALS



Underwriters Laboratories, Inc.
Recognized Component Program — UL File Number E201546

UL file number E201546 has been assigned to Keystone Electronics' "Quick-Fit" terminals (on this page) indicating recognition by Underwriters Laboratories Inc. that they are in compliance with their component program.

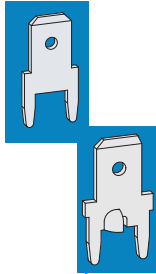
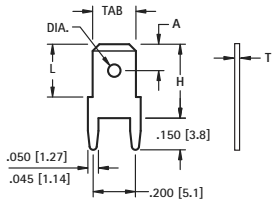
Underwriters Laboratories Inc. component program assures that "Quick-Fit" terminals meet the dimensional and performance requirements of the National Electrical Manufacturers Association specification number NEMA2-1982-(1988) and UL310.



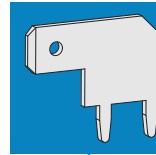
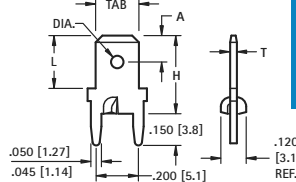
.110 (2.8), .187 (4.8), .205 (5.2) MALE TABS



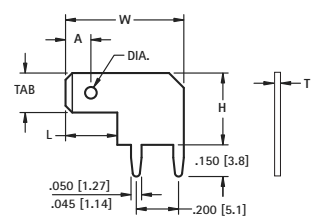
VERTICAL



STURDI-MOUNT



HORIZONTAL



T	MTG. HOLES
.020 (.51)	.046 (1.2) Dia.
.032 (.81)	.052 (1.3) Dia.

MATERIAL:
Brass, Matte Tin Plate

CAT. NO.	T	H	L	A	TAB
1285	.020 (.51)	.350 (8.9)	.250 (6.4)	.125 (3.2)	.187 (4.8)
1212	.032 (.81)	.350 (8.9)	.250 (6.4)		
1216	.032 (.81)	.710 (18.0)	.610 (15.5)		
1286	.020 (.51)	.350 (8.9)	.250 (6.4)	.125 (3.2)	.205 (5.2)
1213	.032 (.81)	.350 (8.9)	.250 (6.4)		
1287	.032 (.81)	.402 (10.2)	.312 (7.9)		
1289	.032 (.81)	.631 (16.0)	.540 (13.7)	.178 (4.5)	.250 (6.4)
1292	.032 (.81)	.764 (19.4)	.710 (18.0)		
1281	.032 (.81)	1.070 (27.2)	.312 (7.9)		

MATERIAL: Brass, Matte Tin Plate

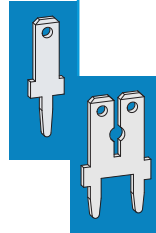
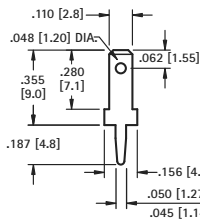
CAT. NO.	T	H	L	A	TAB
1285-ST	.020 (.51)	.350 (8.9)	.250 (6.4)	.125 (3.2)	.187 (4.8)
1212-ST	.032 (.81)				
1286-ST	.020 (.51)	.350 (8.9)	.250 (6.4)	.125 (3.2)	.205 (5.2)
1213-ST	.032 (.81)				
1287-ST	.032 (.81)	.402 (10.2)	.312 (7.9)	.178 (4.5)	.250 (6.4)
1289-ST	.032 (.81)	.631 (16.0)	.540 (13.7)		

T	MTG. HOLES
.020 (.51)	.046 (1.2) Dia.
.032 (.81)	.052 (1.3) Dia.

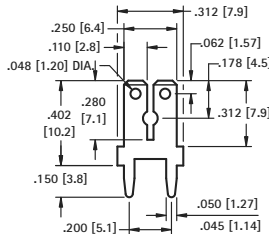
MATERIAL: Brass, Matte Tin Plate

CAT. NO.	T	W	H	L	A	TAB
4903	.020 (.51)	.525 (13.4)	.260 (6.6)	.280 (7.1)	.057 (1.5)	.110 (2.8)
4906	.032 (.81)					
4904	.020 (.51)		.340 (8.7)	.245 (6.2)	.120 (3.1)	.187 (4.8)
4907	.032 (.81)	.560 (14.2)				
4966	.032 (.81)	.590 (15.0)	.350 (8.9)	.312 (7.9)	.178 (4.5)	.250 (6.4)
1266	.032 (.81)	.789 (20.0)				

.187 (4.8) TAB

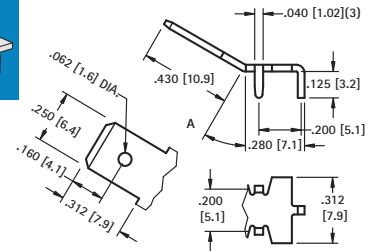


DUAL .110 (2.8)/.250 (6.4) TAB



.250 (6.4) TAB

STURDI-MOUNT



MATERIAL:
Brass, Matte Tin Plate

CAT. NO.	MATL THICK	MTG. HOLE
1267	.020 (.51)	.046 (1.2) Dia.
1211	.032 (.81)	.052 (1.3) Dia.

MATERIAL:
.032 (.81) Brass, Matte Tin Plate

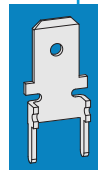
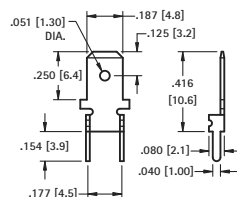
CAT. NO.	MTG. HOLES
1282	.052 (1.3) Dia.

MATERIAL:
.032 (.81) Brass, Matte Tin Plate

CAT. NO.	ANGLE A	MTG. HOLES
4910	0°	
4908	30°	.052 (1.3) Dia.
4912	60°	

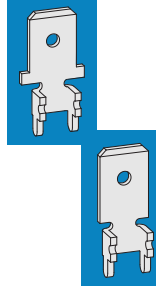
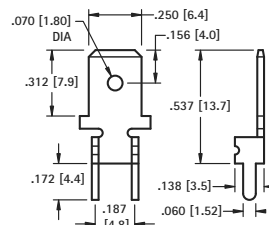
.187 (4.8) TAB

STURDI-MOUNT



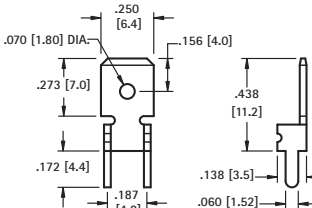
.250 (6.4) TAB

STURDI-MOUNT



.250 (6.4) TAB

STURDI-MOUNT



MATERIAL: .020 (.51) Brass, Matte Tin Plate

CAT. NO.	MTG. HOLES
4900	.043 (1.1) Dia.

MATERIAL: .032 (.81) Brass, Matte Tin Plate

CAT. NO.	MTG. HOLES
4901	.067 (1.7) Dia.

MATERIAL: .032 (.81) Brass, Matte Tin Plate

CAT. NO.	MTG. HOLES
4902	.067 (1.7) Dia.

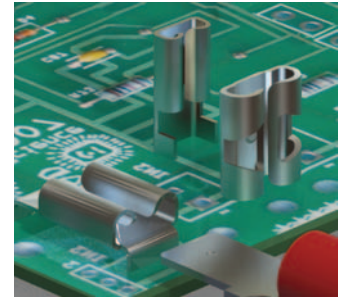
PC QUICK-FIT FEMALE TERMINALS



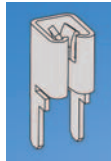
Underwriters Laboratories, Inc.
Recognized Component Program — UL File Number E201546

UL file number E201546 has been assigned to Keystone Electronics' "Quick-Fit" Female terminals (On this page) indicating recognition by Underwriters Laboratories Inc. that they are in compliance with their component program.

Underwriters Laboratories Inc. component program assures that "Quick-Fit" terminals meet the dimensional and performance requirements of the National Electrical Manufacturers Association specification number NEMA2-1982-(1988) and UL310.

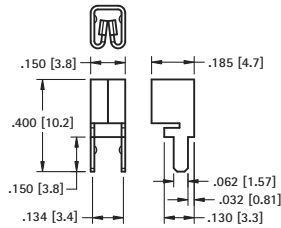


FEMALE PC QUICK-FIT TERMINALS

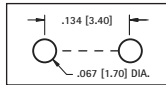


ACCEPTS ALL TABS

VERTICAL OR HORIZONTAL ENTRY



Mounting Detail

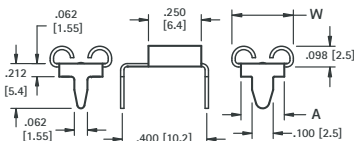


MATERIAL: .016 (.41) Brass, Tin-Nickel Plate

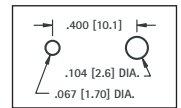
CAT. NO.	ACCEPTS TAB
3557	.110 (2.8) to .250 (6.4) x .020 (.51) to .032 (.81)

ACCEPTS .187 (4.8), .205 (5.2), .250 (6.4) TAB

HORIZONTAL ENTRY



Mounting Detail

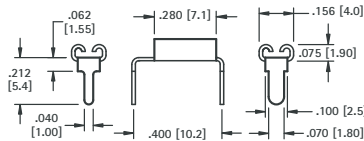


MATERIAL: Brass, Tin-Nickel Plate

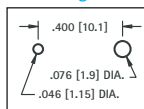
CAT. NO.	ACCEPTS TAB	"W"	"A"	MATERIAL THICKNESS
3571	.187 (4.8) x .020 (.51)	222 (5.6)	.162 (4.1)	.012 (.30)
3546	.205 (5.2) x .020 (.51)	240 (6.1)	.180 (4.6)	.012 (.30)
3550	.205 (5.2) x .032 (.81)	240 (6.1)	.180 (4.6)	.012 (.30)
3547	.250 (6.4) x .032 (.81)	291 (7.4)	.205 (5.2)	.016 (.40)

ACCEPTS .110 (2.8) TAB

HORIZONTAL ENTRY



Mounting Detail

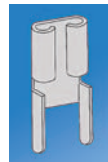
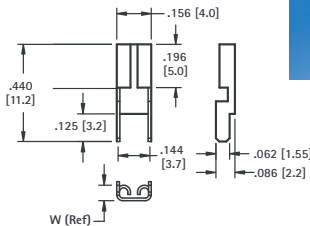


MATERIAL:
.012 (.30) Brass, Tin-Nickel Plate

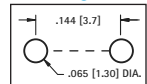
CAT. NO.	ACCEPTS TAB
3545	.110 (2.8) x .020 (.51)
3549	.110 (2.8) x .032 (.81)

ACCEPTS .110 (2.8) TAB

VERTICAL ENTRY



Mounting Detail

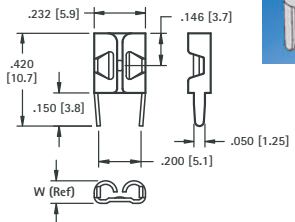


MATERIAL:
.012 (.30) Brass, Tin-Nickel Plate

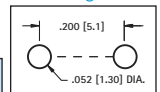
CAT. NO.	ACCEPTS TAB	W
3534	.110 (2.8) x .020 (.51)	.070 (1.80)
3544	.110 (2.8) x .032 (.81)	.075 (1.92)

ACCEPTS .187 (4.8) TAB

VERTICAL ENTRY



Mounting Detail

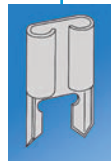
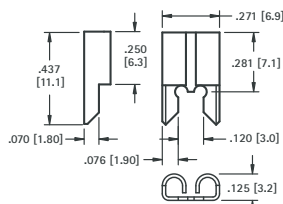


MATERIAL:
.016 (.41) Brass, Tin-Nickel Plate

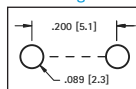
CAT. NO.	ACCEPTS TAB	W
3548	.187 (4.8) x .020 (.51)	.093 (2.36)
3551	.187 (4.8) x .032 (.81)	.102 (2.59)

ACCEPTS .205 (5.2) TAB

VERTICAL ENTRY



Mounting Detail

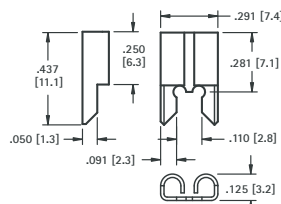


MATERIAL:
.016 (.41) Brass, Tin-Nickel Plate

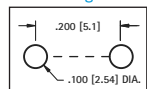
CAT. NO.	ACCEPTS TAB
3525	.205 (5.2) x .020 (.51)
3575	.205 (5.2) x .032 (.81)

ACCEPTS .250 (6.4) TAB

VERTICAL ENTRY



Mounting Detail

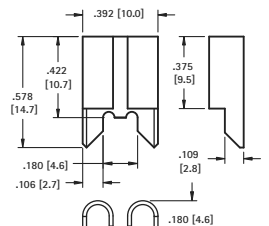


MATERIAL:
.016 (.41) Brass, Tin-Nickel Plate

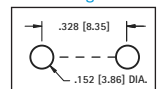
CAT. NO.	ACCEPTS TAB
3528	.250 (6.4) x .032 (.81)

ACCEPTS .312 (7.9) TAB

OVER SIZED



Mounting Detail



MATERIAL:
.020 (.51) Copper, Tin-Nickel Plate

CAT. NO.	3555
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USB 3.0 PLUGS & SOCKETS

ELECTRICAL CHARACTERISTICS:

Rated Voltage: 30V (RMS)
Contact Current Rating: 1 Amp DC max.
Contact Resistance: 15 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 750V AC for 1 minute

MECHANICAL CHARACTERISTICS:

Operating Temperature: -13°F (-25°C) to 176°F (+80°C)
Durability: 1500 Cycles min.

USB 3.0 DESIGN ADVANTAGES:

Port Expansion: Alleviates restriction of limited COM Ports and available IRQ's
Compatibility: Backward compatible with USB 2.0 devices
Fast Data Transfer: Up to 480 Gbps; 10 times faster than USB 2.0 devices and 200 times faster than serial ports.

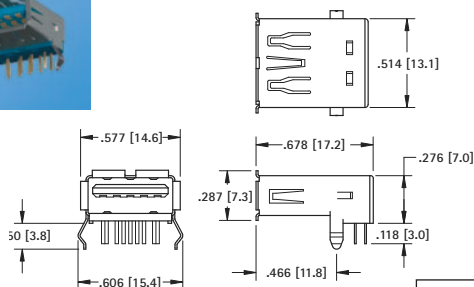
USB 3.0 (SUPER SPEED) DEVICE APPLICATIONS:

- External hard drives
- High resolution web & video cameras
- Digital video cameras & still cameras
- Multi-channel audio interfaces
- External media such as Blu-Ray drives
- High-definition video content
- Multi-gigabyte mobile phones
- Portable media players

USB TYPE A SOCKETS/PLUGS



THRU-HOLE MOUNT SOCKET



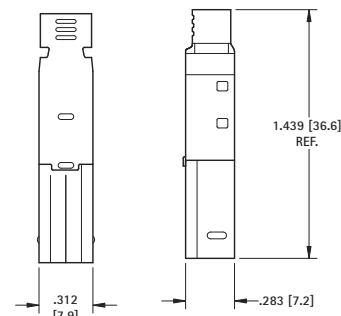
SOCKET SPECIFICATIONS:

Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 945



CABLE PLUG



PLUG SPECIFICATIONS:

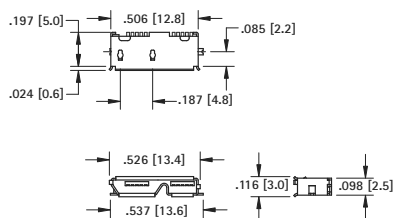
Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 947

MICRO-USB TYPE B SOCKETS/PLUGS



SURFACE MOUNT SOCKET



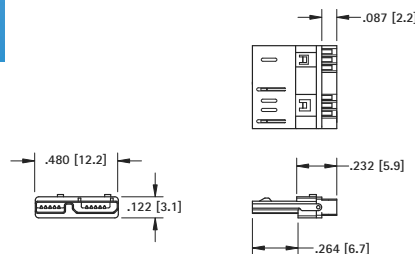
SOCKET SPECIFICATIONS:

Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 955



CABLE PLUG



PLUG SPECIFICATIONS:

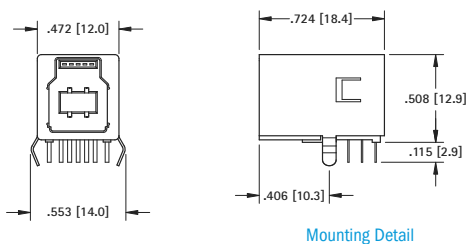
Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 957

USB TYPE B SOCKETS/PLUGS



THRU-HOLE MOUNT SOCKET



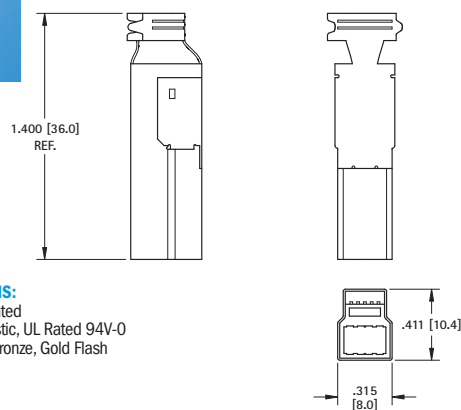
SOCKET SPECIFICATIONS:

Shell: Phosphor Bronze, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel
Contact Area: Gold Flash over Nickel
Solder Tails: Tin over Nickel

CAT. NO. 950



CABLE PLUG



PLUG SPECIFICATIONS:

Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 952

USB 2.0 PLUGS & SOCKETS

SOCKET SPECIFICATIONS:

Shell: Phosphor Bronze
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze
Contact Area: Gold Flash over Nickel
Solder Trails: Tin over Nickel

PLUG SPECIFICATIONS:

Shell: Steel, Nickel Plate
Insulator: Thermoplastic, Rated UL 94V-0
Contact: Bronze, Gold Flash over Nickel

ELECTRICAL CHARACTERISTICS

Rated Voltage: 30V (RMS)
Contact Current Rating: 1 Amp DC max.
Contact Resistance: 15 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 750V AC for 1 minute

MECHANICAL CHARACTERISTICS

Operating Temperature: -13°F (-25°C) to 176°F (+80°C)
Durability: 1500 Cycles min.

DEVICE APPLICATIONS

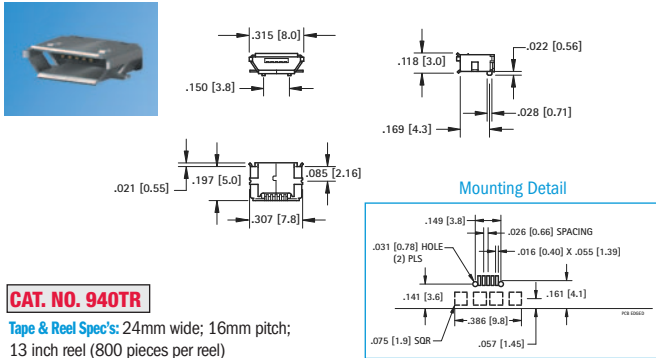
Ability to daisy chain more than one input device

- Memory Sticks
- Mouse/Keyboards
- Printers/Scanners/Docking Stations
- MP3/Audio Devices
- Digital Video Cameras & Still Cameras
- Portable Media Players
- Gaming Headsets
- Smart Phones/PDA's

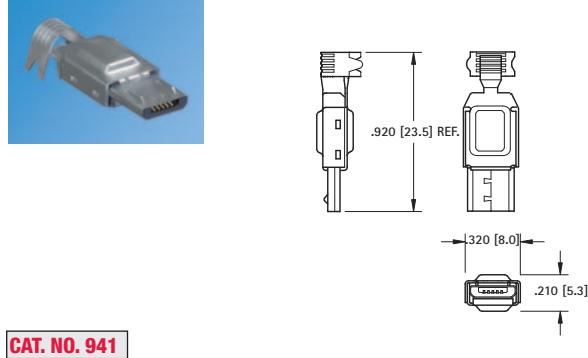
MICRO-USB TYPE B SOCKETS/PLUGS

- Ideal for Miniature applications

SURFACE MOUNT SOCKET

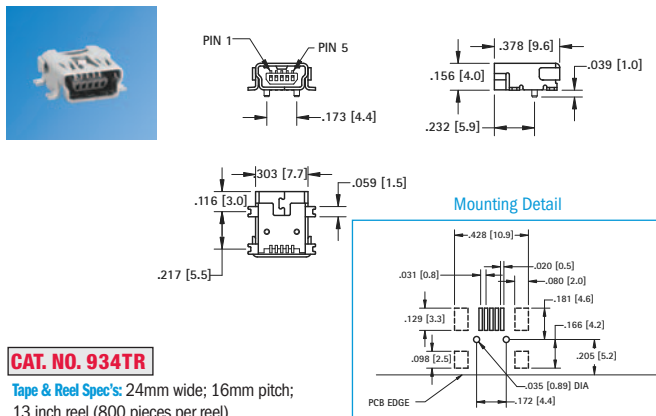


CABLE PLUG

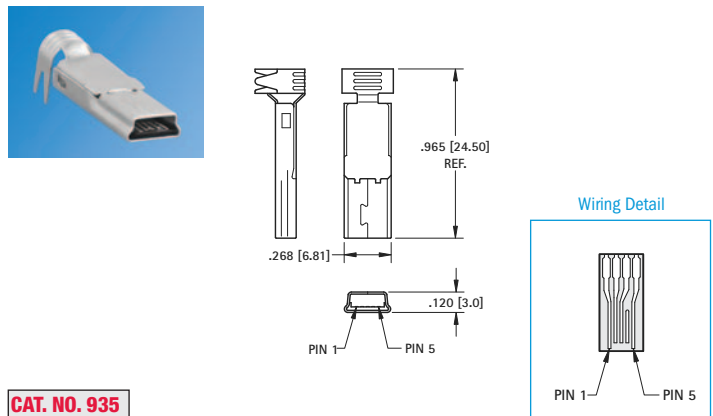


MINI-USB TYPE B SOCKETS/PLUGS

SURFACE MOUNT SOCKET

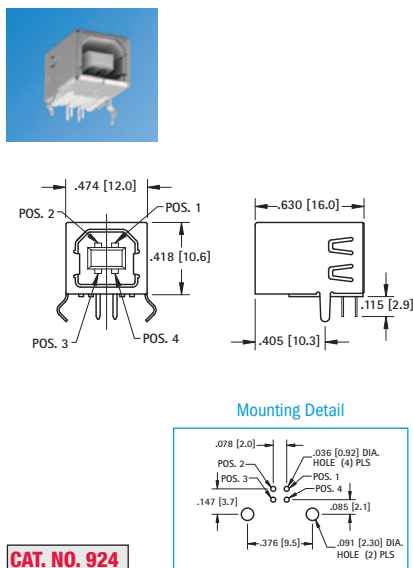


CABLE PLUG

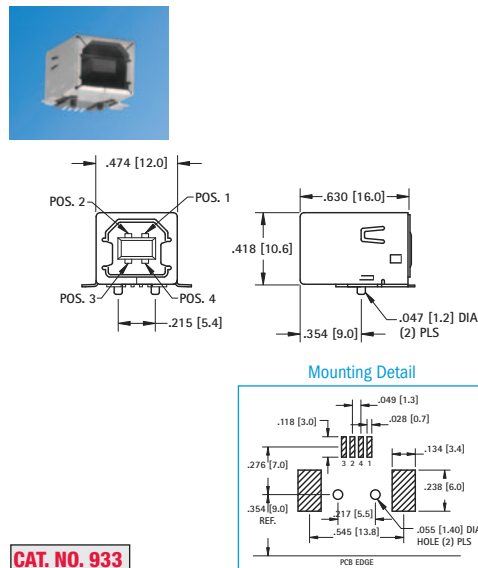


USB TYPE B SOCKETS/PLUGS

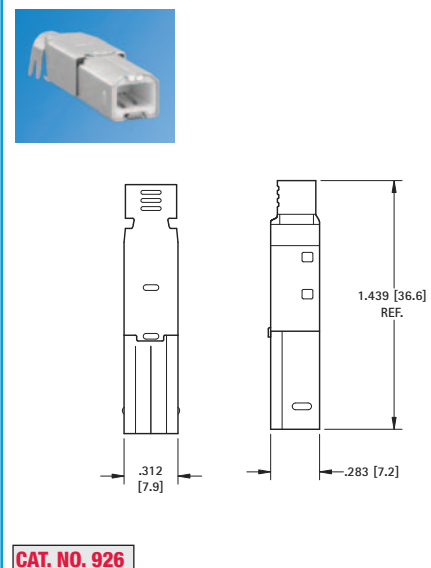
THRU HOLE SOCKET



SURFACE MOUNT SOCKET



CABLE PLUG



PTFE INSULATED TERMINALS & PINS



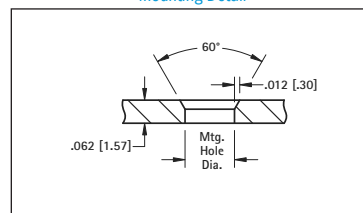
- Space saving design for high density packaging
- Outstanding Electrical, Mechanical, Thermal and Chemical properties
- Provides greater pull-out strength and high torque resistance
- Ideal for high quality terminal and connector applications
- Custom PTFE jacks manufactured to your specifications
- Other platings and bushing colors available upon request

SPECIFICATIONS

Terminal: Brass, Tin Plate

Bushing: White PTFE **RoHS**

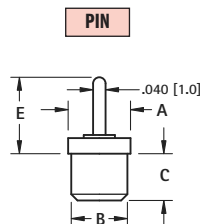
Mounting Detail



PINS



Top Mount

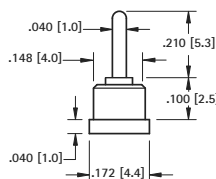


CAT. NO.	A	B	C	E	Mtg. Hole Dia.
11065	.125 (3.2)	.104 (2.6)	.089 (2.3)	.161 (4.1)	.091 (2.3)
11066	.125 (3.2)	.093 (2.4)	.100 (2.5)	.925 (23.5)	.086 (2.2)
11067	.172 (4.4)	.148 (3.8)	.100 (2.5)	.150 (3.8)	
11068	.172 (4.4)	.148 (3.8)	.075 (1.9)	.185 (4.7)	
11069	.172 (4.4)	.148 (3.8)	.050 (1.3)	.260 (6.6)	
11070	.172 (4.4)	.148 (3.8)	.075 (1.9)	.260 (6.6)	
11071	.172 (4.4)	.148 (3.8)	.100 (2.5)	.250 (6.4)	
11072	.172 (4.4)	.148 (3.8)	.160 (4.1)	.250 (6.4)	
11073	.172 (4.4)	.148 (3.8)	.100 (2.5)	.490 (12.4)	
11074	.172 (4.4)	.148 (3.8)	.100 (2.5)	.585 (14.9)	

PIN



Bottom Mount



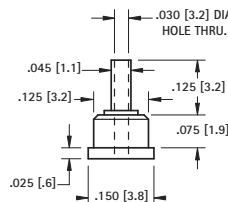
CAT. NO. 11075

Mtg. Hole
.136 (3.5) Dia.

HOLLOW PIN



Bottom Mount



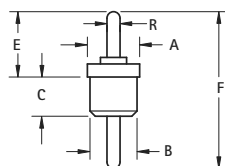
CAT. NO. 11076

Mtg. Hole
.113 (2.9) Dia.

PIN-TO-PIN



Feed-Thru



CAT. NO.	A	B	C	E	F	R	Mtg. Hole Dia.
11150	.093 (2.4)	.075 (1.9)	.100 (2.5)	.315 (8.0)	.550 (13.9)	.030 (7.6)	.069 (1.8)
11151	.125 (3.2)	.093 (2.4)	.100 (2.5)	.196 (5.0)	.453 (11.5)	.040 (1.0)	
11152	.125 (3.2)	.093 (2.4)	.100 (2.5)	.250 (6.4)	.515 (13.1)	.040 (1.0)	.086 (2.2)
11153	.125 (3.2)	.093 (2.4)	.100 (2.5)	.250 (6.4)	.443 (11.3)	.040 (1.0)	
11154	.150 (3.8)	.125 (3.2)	.100 (2.5)	.250 (6.4)	.443 (11.3)	.040 (1.0)	.113 (2.9)
11155	.172 (4.4)	.148 (3.8)	.100 (2.5)	.250 (6.4)	.515 (13.1)	.040 (1.0)	
11156	.172 (4.4)	.148 (3.8)	.110 (2.8)	.260 (6.6)	.535 (13.6)	.040 (1.0)	
11157	.172 (4.4)	.148 (3.8)	.250 (6.4)	.250 (6.4)	.710 (18.0)	.040 (1.0)	
11158	.172 (4.4)	.148 (3.8)	.250 (6.4)	.303 (7.7)	.719 (18.3)	.040 (1.0)	
11159	.172 (4.4)	.148 (3.8)	.160 (4.1)	.250 (6.4)	.725 (18.4)	.040 (1.0)	
11160	.172 (4.4)	.148 (3.8)	.170 (4.3)	.250 (6.4)	.630 (16.0)	.040 (1.0)	

SOLDER TERMINALS



Top Mount

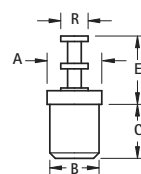


FIG. 1

TURRET



Bottom Mount

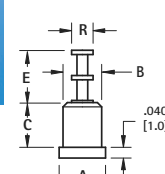


FIG. 3

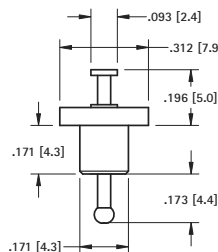
CAT. NO.	FIG.	A	B	C	E	R	Mtg. Hole Dia.
11300	1	.125 (3.2)	.093 (2.4)	.100 (2.5)	.210 (5.3)	.060 (1.5)	.086 (2.2)
11301	1	.125 (3.2)	.093 (2.4)	.080 (2.0)	.250 (6.4)	.080 (2.0)	.086 (2.2)
11302	1	.125 (3.2)	.093 (2.4)	.100 (2.5)	.250 (6.4)	.080 (2.0)	.086 (2.2)
11303	1	.172 (4.4)	.148 (3.8)	.140 (3.6)	.194 (4.9)	.093 (2.4)	.136 (3.5)
11304	1	.172 (4.4)	.148 (3.8)	.110 (2.8)	.250 (6.4)	.080 (2.0)	.136 (3.5)
11305	1	.172 (4.4)	.148 (3.8)	.125 (3.2)	.303 (7.7)	.080 (2.0)	.136 (3.5)
11306	1	.172 (4.4)	.148 (3.8)	.165 (4.2)	.290 (7.4)	.093 (2.4)	.136 (3.5)
11307	1	.172 (4.4)	.148 (3.8)	.250 (6.4)	.290 (7.4)	.093 (2.4)	.136 (3.5)
11308	1	.172 (4.4)	.148 (3.8)	.165 (4.2)	.437 (11.1)	.093 (2.4)	.136 (3.5)
11320	2	.172 (4.4)	.148 (3.8)	.100 (2.5)	.150 (3.8)	.080 (2.0)	.136 (3.5)
11321	2	.187 (4.8)	.165 (4.2)	.150 (3.8)	.370 (9.4)	.090 (2.3)	.152 (3.9)
11322*	2	.150 (3.8)	.125 (3.2)	.110 (2.8)	.180 (4.6)	.090 (2.3)	.113 (2.9)
11310	3	.125 (3.2)	.093 (2.4)	.100 (2.5)	.170 (4.3)	.060 (1.5)	.086 (2.2)
11311	3	.172 (4.4)	.148 (3.8)	.100 (2.5)	.210 (5.3)	.080 (2.0)	.136 (3.5)
11312	3	.187 (4.8)	.171 (4.3)	.155 (3.9)	.210 (5.3)	.080 (2.0)	.158 (4.0)

*Hollow Turret

TURRET-TO-TURRET



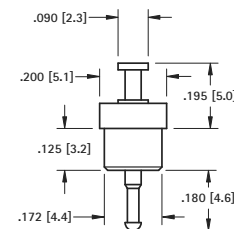
Feed-Thru



CAT. NO. 11250

Mtg. Hole
.158 (4.0) Dia.

Feed-Thru



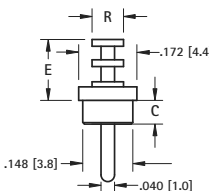
CAT. NO. 11251

Mtg. Hole
.158 (4.0) Dia.

TURRET-TO-PIN



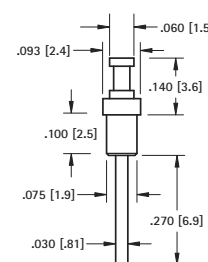
Feed-Thru



CAT. NO.	C	E	R	Mtg. Hole Dia.
11216	.100 (2.5)	.250 (6.4)	.080 (2.0)	.136 (3.5)
11217	.230 (5.8)	.375 (9.5)	.093 (2.4)	



Feed-Thru



CAT. NO. 11218

Mtg. Hole
.066 (1.7) Dia.

SPLIT-TYPE FORK TURRETS

SPECIFICATIONS

FORK

Terminal: Brass, Tin Plate

Bushing: White PTFE

RoHS

FORK-TO-TURRET

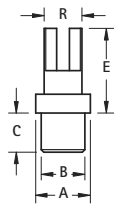


FIG. 1

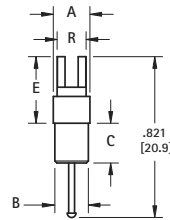


FIG. 2

CAT. NO.	FIG. NO.	A	B	C	E	R	Mtg. Hole Dia.
11100	1	.172 (4.4)	.148 (3.8)	.125 (3.2)	.250 (6.4)	.125 (3.2)	.136 (3.5)
11111	1	.187 (4.8)	.171 (4.3)	.150 (3.8)	.390 (9.9)		
11112	1	.187 (4.8)	.171 (4.3)	.150 (3.8)	.453 (11.5)		
11113	1	.187 (4.8)	.171 (4.3)	.150 (3.8)	.328 (8.3)		
11114	1	.187 (4.8)	.171 (4.3)	.150 (3.8)	.390 (9.9)	.148 (3.8)	.158 (4.0)
11115	1	.187 (4.8)	.171 (4.3)	.150 (3.8)	.453 (11.5)		
11116	2	.187 (4.8)	.171 (4.3)	.212 (5.4)	.390 (9.9)		

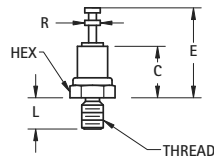
THREADED TURRET TERMINALS

SPECIFICATIONS

Terminal: Brass, Tin Plate

Bushing: White PTFE

RoHS



CAT. NO.	Thread	Hex	C	E	L	R
11350	2-56	.156 (3.9)	.206 (5.2)	.360 (9.1)	.125 (3.2)	.062 (1.6)
11351	4-40	.250 (6.4)	.270 (6.9)	.510 (12.9)	.250 (6.4)	.094 (2.4)
11352	6-32	.250 (6.4)	.270 (6.9)	.510 (12.9)	.375 (9.5)	.094 (2.4)

THREADED FEED-THRU TERMINALS

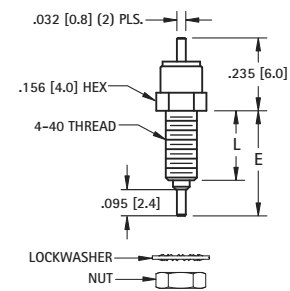
SPECIFICATIONS

Terminal: Brass, Tin Plate

Bushing: White PTFE

Body: Brass, Nickel Plate

RoHS



Nut and washer supplied unassembled



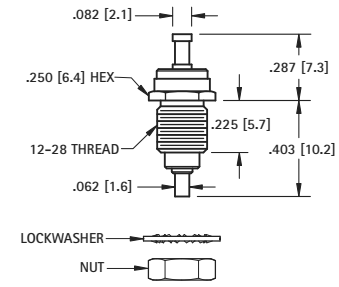
SPECIFICATIONS

Terminal: Brass, Tin Plate

Bushing: White PTFE

Body: Brass, Nickel Plate

RoHS



Nut and washer supplied unassembled



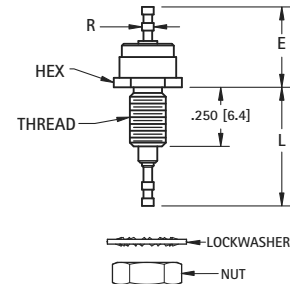
SPECIFICATIONS

Terminal: Brass, Tin Plate

Bushing: White PTFE

Body: Brass, Nickel Plate

RoHS



Nut and washer supplied unassembled

CAT. NO.	Thread	Hex	E	L	R
11363	10-32	.312 (7.9)	.425 (10.8)	.565 (14.3)	.062 (1.6)
11364	6-32	.188 (4.8)	.368 (9.3)	.510 (12.9)	.040 (1.0)

TEST POINT JACKS

SPECIFICATIONS

Terminal Jack: Beryllium Copper (QQ-C-533)

Plating: Gold per MIL-G-45204, Type II

Bushing:

White PTFE **RoHS** RoHS Compliant)

Red or Black PTFE **RoHS** (Non-RoHS Compliant)



FIG. 3

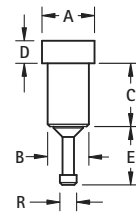


FIG. 4

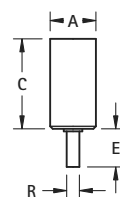
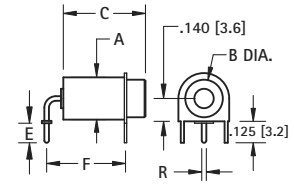


FIG. 5



RoHS	NON-RoHS		FIG.	A	B	C	D	E	R	Probe Dia. ± .001 (.03)	Probe Length
White	Red	Black									
11001	11001-R	11001-B	3	.142 (3.6)	.120 (3.0)	.244 (6.2)	.046 (1.2)	.120 (3.0)	.060 (1.5)	.040 (1.0)	.205 (5.2)
11002	11002-R	11002-B	3	.142 (3.6)	.120 (3.0)	.283 (7.2)	.046 (1.2)	.120 (3.0)	.060 (1.5)	.040 (1.0)	.245 (6.2)
11003	11003-R	11003-B	3	.172 (4.4)	.140 (3.6)	.142 (3.6)	.050 (1.3)	.060 (1.5)	.080 (2.0)	.040 (1.0)	.125 (3.2)
11004	11004-R	11004-B	3	.172 (4.4)	.148 (3.8)	.179 (4.5)	.046 (1.2)	.120 (3.0)	.060 (1.5)	.040 (1.0)	.140 (3.6)
11005	11005-R	11005-B	3	.218 (5.5)	.185 (4.7)	.301 (7.6)	.050 (1.3)	.105 (2.7)	.125 (3.2)	.080 (2.0)	.315 (8.0)
11006	11006-R	11006-B	3	.218 (5.5)	.185 (4.7)	.271 (6.9)	.046 (1.2)	.120 (3.0)	.074 (1.9)	.080 (2.0)	.195 (4.9)
11007	11007-R	11007-B	3	.218 (5.5)	.185 (4.7)	.271 (6.9)	.046 (1.2)	.120 (3.0)	.074 (1.9)	.090 (2.3)	.195 (4.9)
11008	11008-R	11008-B	3	.218 (5.5)	.185 (4.7)	.301 (7.6)	.046 (1.2)	.120 (3.0)	.074 (1.9)	.080 (2.0)	.225 (5.7)
11009	11009-R	11009-B	3	.218 (5.5)	.185 (4.7)	.400 (10.2)	.050 (1.3)	.187 (4.8)	.074 (1.9)	.080 (2.0)	.280 (7.1)
11010	11010-R	11010-B	3	.218 (5.5)	.185 (4.7)	.271 (6.9)	.046 (1.2)	.136 (3.5)	.074 (1.9)	.080 (2.0)	.340 (8.6)
11011	11011-R	11011-B	4	.218 (5.5)	-	.430 (10.9)	-	.150 (3.8)	.050 (1.3)	.080 (2.0)	.200 (5.1)
11012	11012-R	11012-B	4	.218 (5.5)	-	.500 (12.7)	-	.150 (3.8)	.050 (1.3)	.080 (2.0)	.280 (7.1)
11013	11013-R	11013-B	5	.218 (5.5)	.187 (4.8)	.689 (17.5)	.500 (12.7)	.125 (3.2)	.050 (1.3)	.080 (2.0)	.500 (12.7)
11014	11014-R	11014-B	5	.218 (5.5)	.187 (4.8)	.378 (9.6)	.400 (10.2)	.125 (3.2)	.050 (1.3)	.080 (2.0)	.250 (6.4)
11015	11015-R	11015-B	5	.218 (5.5)	.187 (4.8)	.378 (9.6)	.400 (10.2)	.187 (4.7)	.035 (.89)	.080 (2.0)	.250 (6.4)
11016	11016-R	11016-B	5	.218 (5.5)	.187 (4.8)	.378 (9.6)	.500 (12.7)	.125 (3.2)	.050 (1.3)	.080 (2.0)	.250 (6.4)

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