INTRODUCTION:
Adam Tech MTJ series Modular Jacks are a complete line of PCB and wire leaded jacks which are UL and CSA approved and meet all required FCC rules and regulations. Adam Tech offers a multitude of sizes (4P2C thru 10P10C) with styles including single, ganged and stacked versions with options of ferrite or magnetic filtering and or metal shielding. Jacks with integral LED's and combination hybrids such as MTJ/USB jacks are also available. These jacks are available in thru-hole or SMT mounting.

FEATURES:
UL 1863 recognized versions
FCC compliant to No. 47 CFR part 68
Magnetic and Ferrite filtered types
4,6,8 and 10 positions available
Single, stacked or ganged
Hi-Temp and LED options
Unshielded or Metal Shielded
Thru-Hole or SMT mounting
Cat. 5 & 5e ANSI/TIA/EIA 568.2

MATING PLUGS:
Adam Tech modular plugs and all industry standard telephone plugs.

SPECIFICATIONS:

Material:
Standard Insulator: PBT, or ABS, rated UL94V-0
Optional Hi-Temp Insulator: Nylon 6T rated UL94V-0
Insulator Colors: Black or medium gray
Contacts: Phosphor Bronze
Shield: Phosphor Bronze, Nickel plated

Contact Plating:
Flat contacts: Gold over Nickel underplate on contact area, Tin over Copper underplate on solder tails.
Round contacts: Gold over Nickel underplate overall

Electrical:
Operating voltage: 150V AC max.
Current rating: 1.5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 500 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

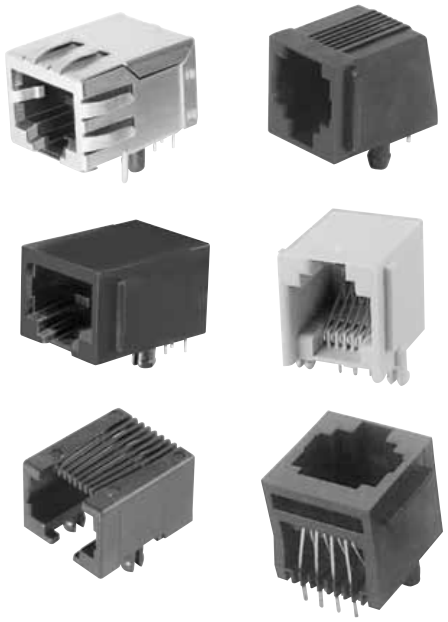
Mechanical:
Insertion force: 4 contacts: 17.6N
6 contacts: 20.6N
8 contacts: 22.5N
10 contacts: 24.5N
Durability: 500 Cycles

Temperature Rating:
Operating temperature: -40°C to +85°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260C

PACKAGING:
Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:
UL Recognized & CSA Certified,
File no. E224049

RoHS COMPLIANT
HI-TEMP INSULATOR AVAILABLE



ORDERING INFORMATION

MTJ	6	4	0	2	1

SERIES INDICATOR
MTJ = Modular telephone jack

HOUSING PLUG SIZE
4, 6, 8 or 10

NO. OF CONTACT POSITIONS FILLED
2, 4, 6, 8 or 10

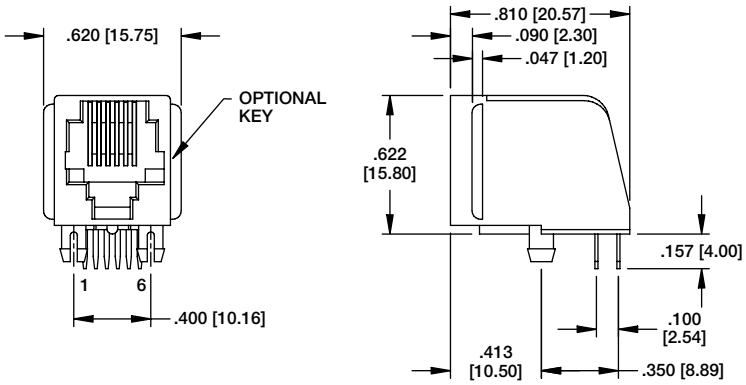
HOUSING TYPE
0, 1, 2, 2B, 2C, 3, 5, 7, 9, A, E, F, G, H, K, M, T, V, W, WA, WB, Y, Q

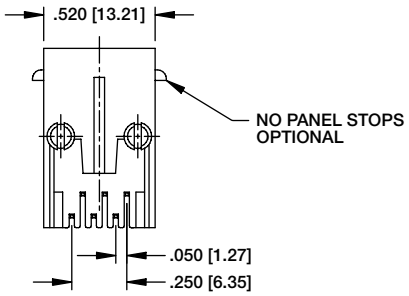
PLATING
X = Gold Flash over Nickel underplate
Consult factory for additional plating options

BODY COLOR
1 = Black
2 = Gray

OPTIONS:
Add designator(s) to end of part number
S = Face shielded jack (Body type 0 only)
FSX = Full metal shield (Use FSA, FSB, FSD, FSE)
SMT = Surface mount tails, housings 0, 5, 9, G & W with Hi-Temp insulator
N = No panel stops (Types: 1, 0, 2, 3, D)
K = Keyed telephone jack
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260C *(Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)*
PG = Panel ground tabs
KT = Kapton Tape pickup when applicable

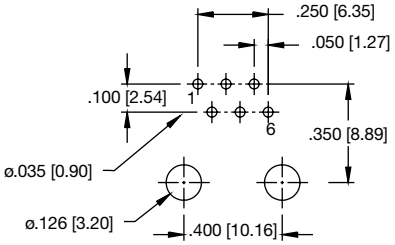
TYPE 1
6P6C
6P4C





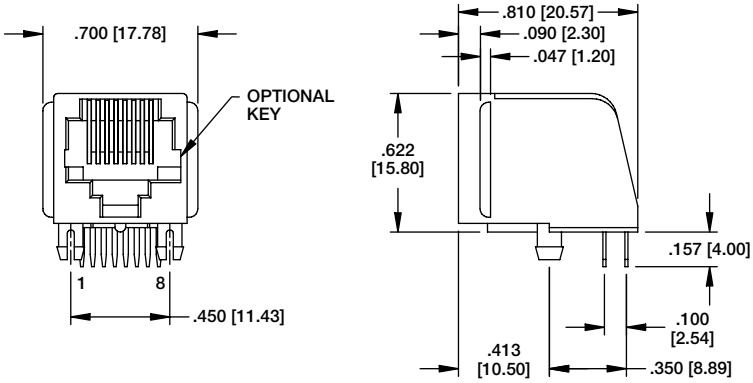
MTJ-661X1

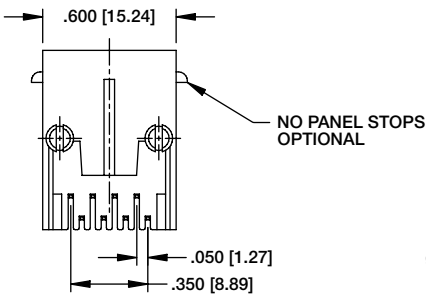
Ordering Information pg. 9



Recommended PCB Layout

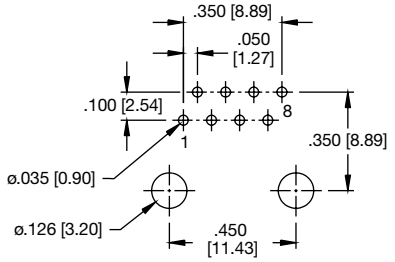
TYPE 1
8P8C





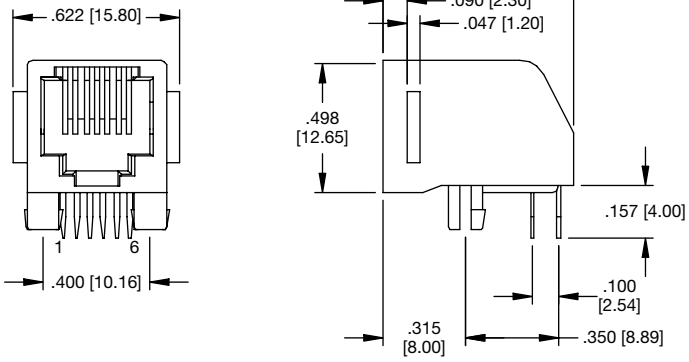
MTJ-881X1

Ordering Information pg. 9



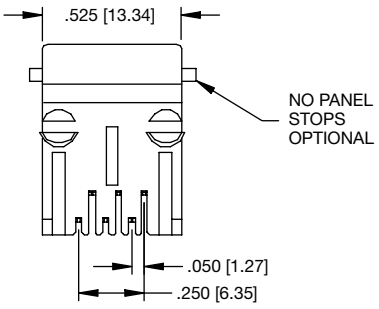
Recommended PCB Layout

TYPE 0
6P6C
6P4C

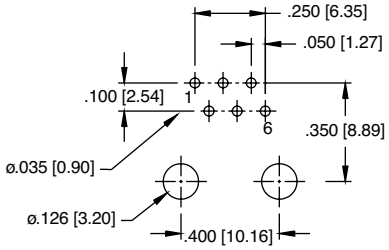


MTJ-660X1

Ordering Information pg. 9

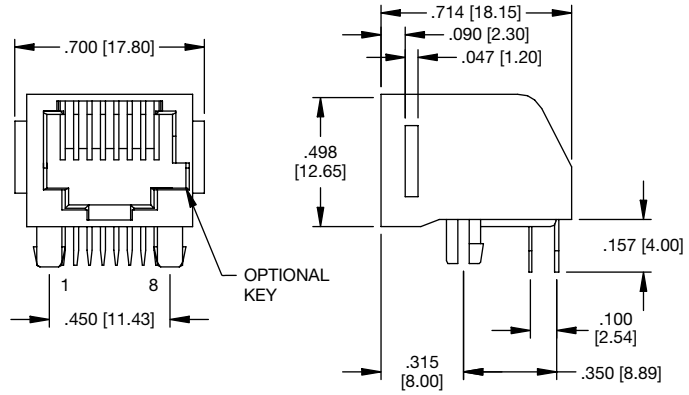


Face Shield Option



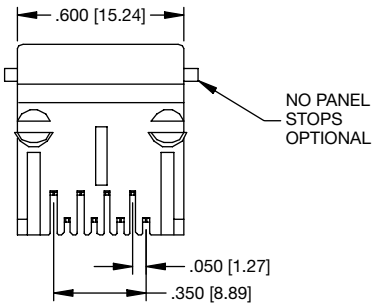
Recommended PCB Layout

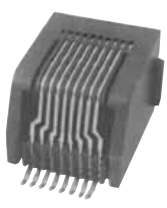
TYPE 0
8P8C



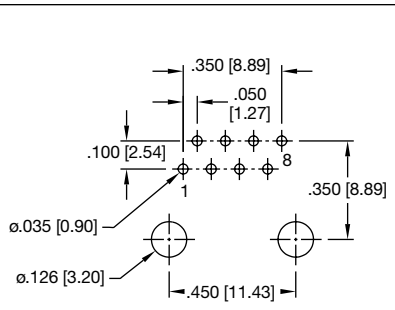
MTJ-880X1

Ordering Information pg. 9





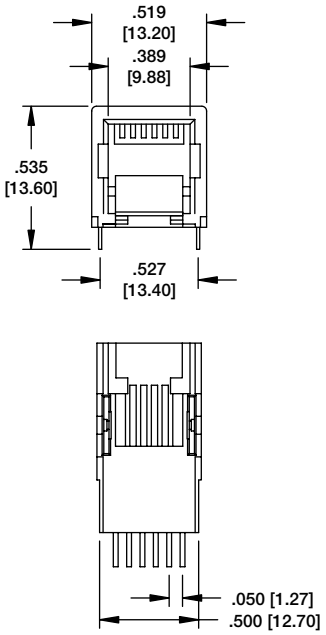
SMT Option

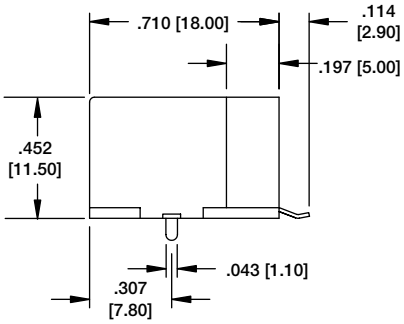


Recommended PCB Layout

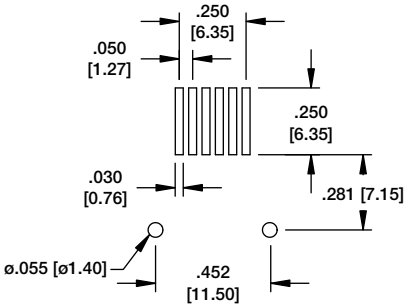
Ordering Information pg. 9

TYPE Y
6P6C
6P4C



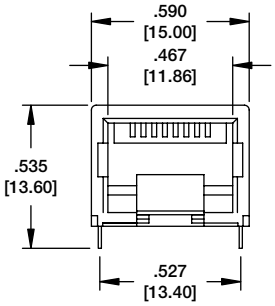


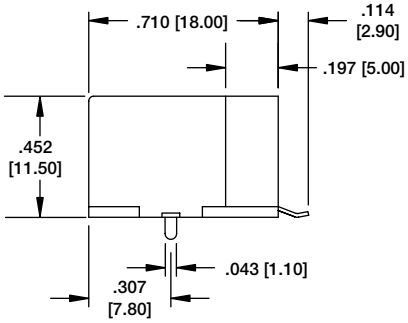
MTJ-66YX1



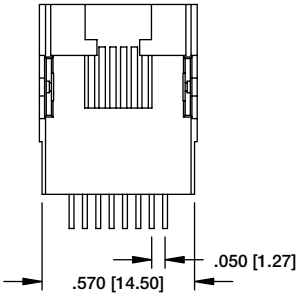
Recommended PCB Layout

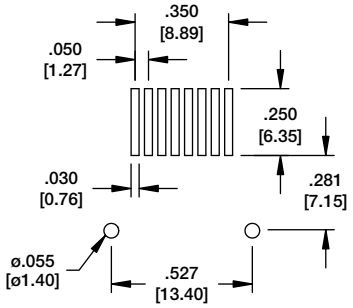
TYPE Y
8P8C





MTJ-88YX1

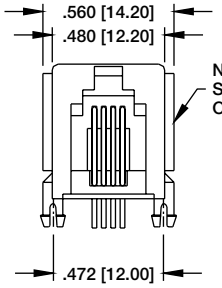


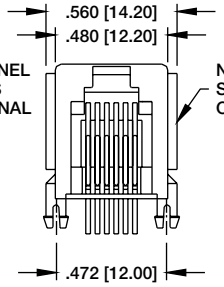


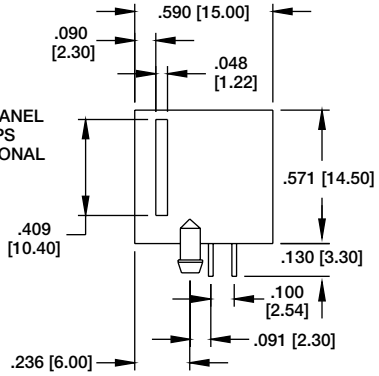
Recommended PCB Layout

Ordering Information pg. 9

TYPE 2
4P4C
6P6C
6P4C





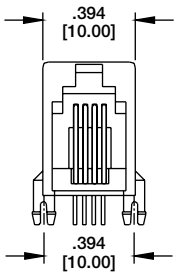


MTJ-662X2

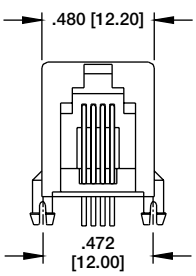
MTJ-442X2

TYPE 2B & 2C
4P4C
6P6C
6P4C
8P8C

TYPE 2B 4 POS

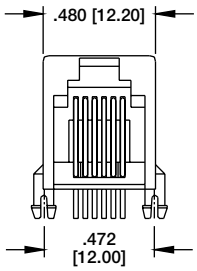


TYPE 2C 4 POS

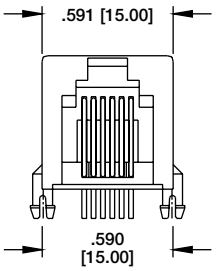


MTJ-442BX2

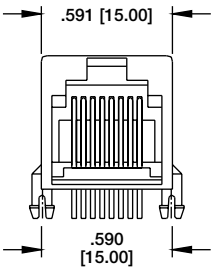
MTJ-642BX2



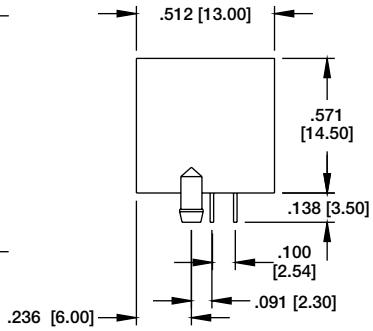
TYPE 2B 6 POS



TYPE 2C 6 POS

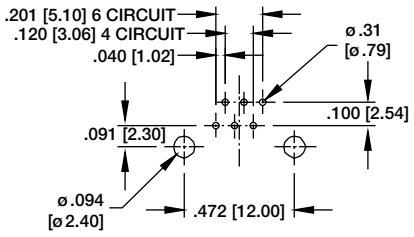


TYPE 2B 8 POS

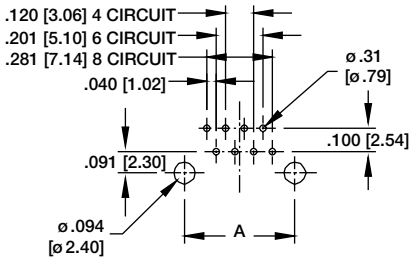


MTJ-882BX1

TYPE 2



TYPE 2B & 2C



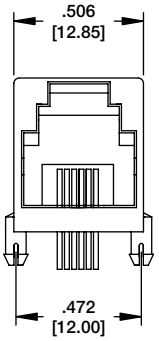
Recommended PCB Layout

DIM. "A"	
TYPE 2B 4P4C	.394 [10.00]
TYPE 2C 4P4C	.472 [12.00]
TYPE 2B 6P6C	.472 [12.00]
TYPE 2C 6P6C	.591 [15.00]
TYPE 2B 8P8C	.590 [15.00]

Ordering Information pg. 9

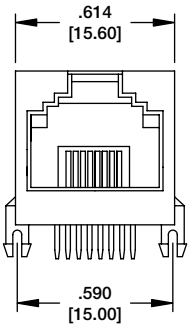
TYPE 2B
SHIELDED
6P6C
6P4C
8P8C

MTJ-662BX1-FS

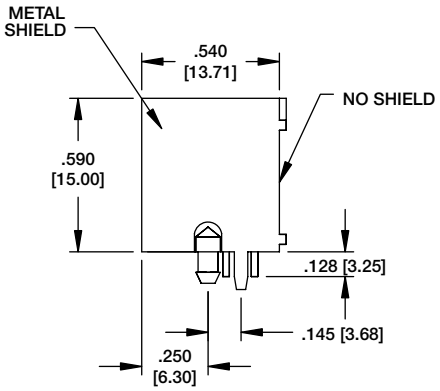


6 POS
2B SHIELDED

MTJ-882BX1-FS

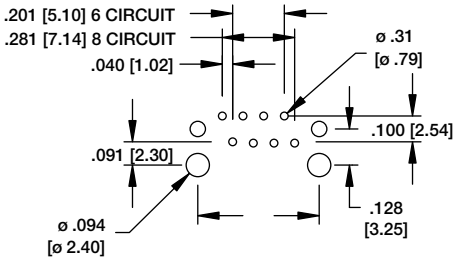


8 POS
2B SHIELDED



MTJ-662BX1-FS

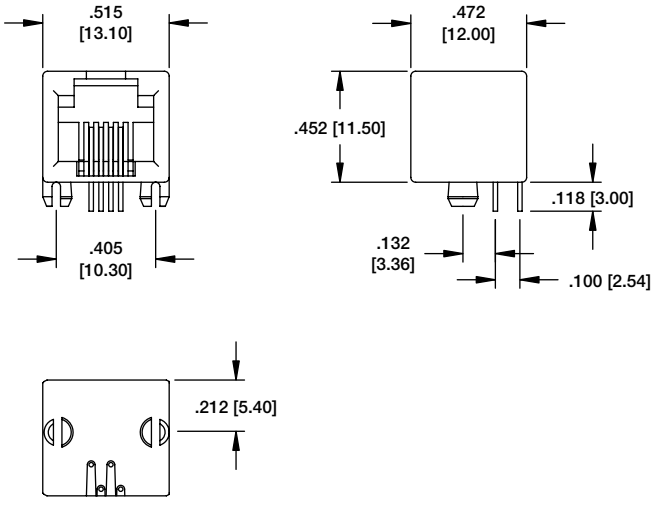
MTJ-882BX1-FS



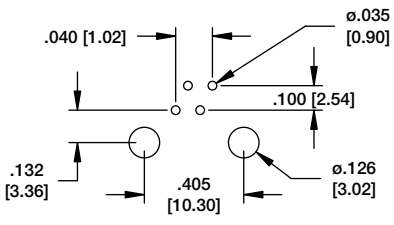
Recommended PCB Layout

DIM. "A"	
TYPE 2B 6P6C	.472 [12.00]
TYPE 2B 8P8C	.590 [15.00]

TYPE Q
COMPACT JACK
4P4C



MTJ-44QX1



Recommended PCB Layout

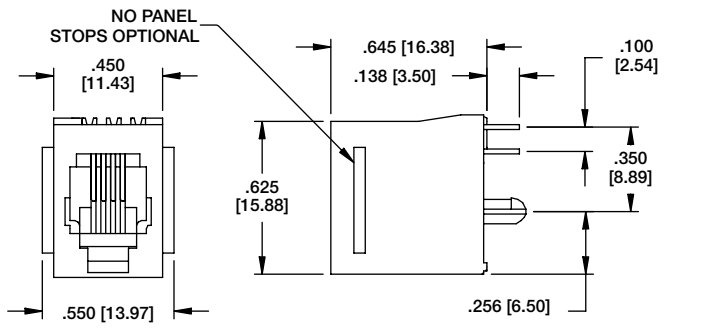
MODULAR JACKS

.645" HEIGHT, TOP ENTRY, OPEN BODY - TYPE 3

MTJ SERIES

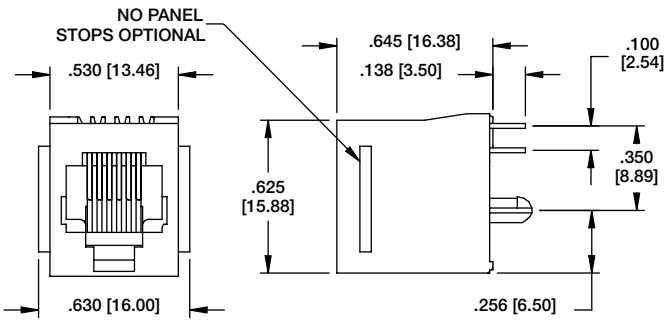
Ordering Information pg. 9

TYPE 3
4P4C



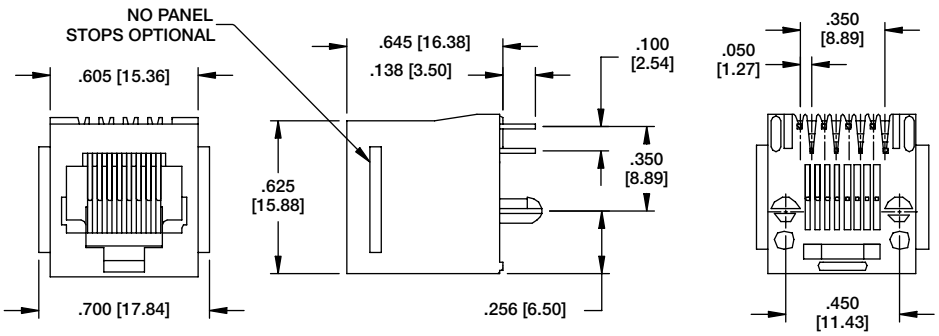
MTJ-443X1

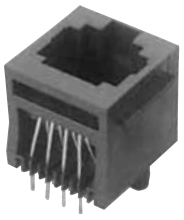
TYPE 3
6P4C



MTJ-663X1

TYPE 3
8P8C

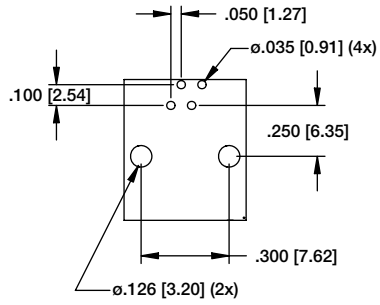




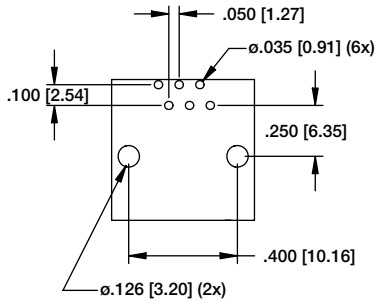
MTJ-883X1

Recommended PCB Layout

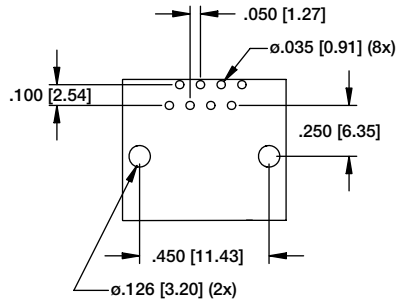
4p4c



6p4c
6p6c

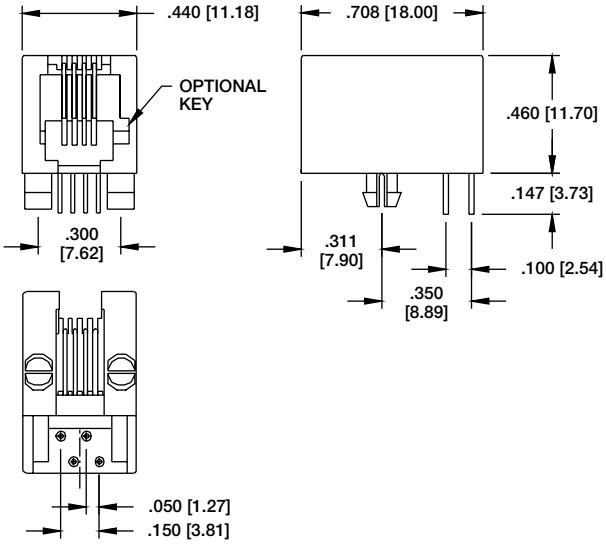


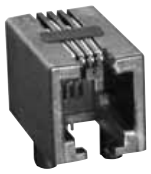
8p8c



Ordering Information pg. 9

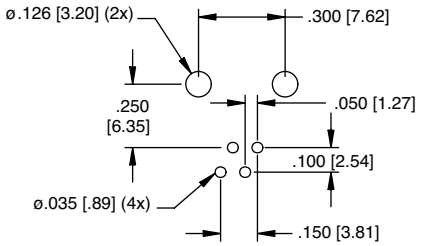
TYPE 5
4P4C



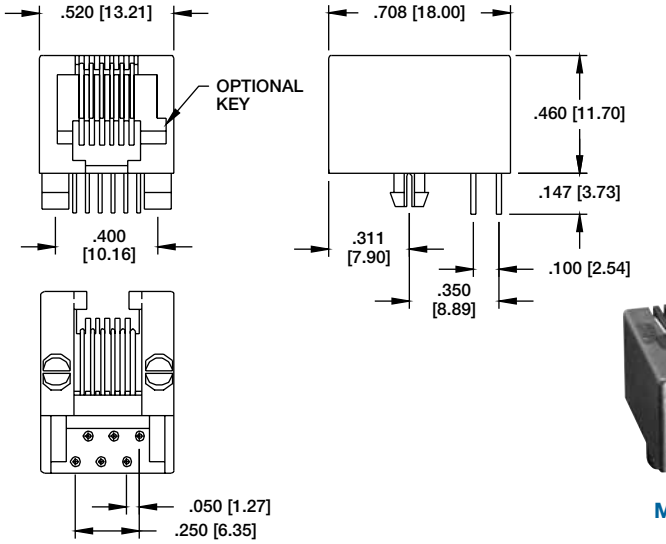


MTJ-445X1

Recommended PCB Layout

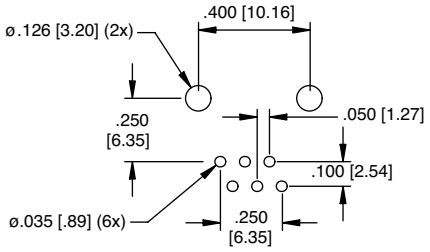


TYPE 5
6P4C
6P6C

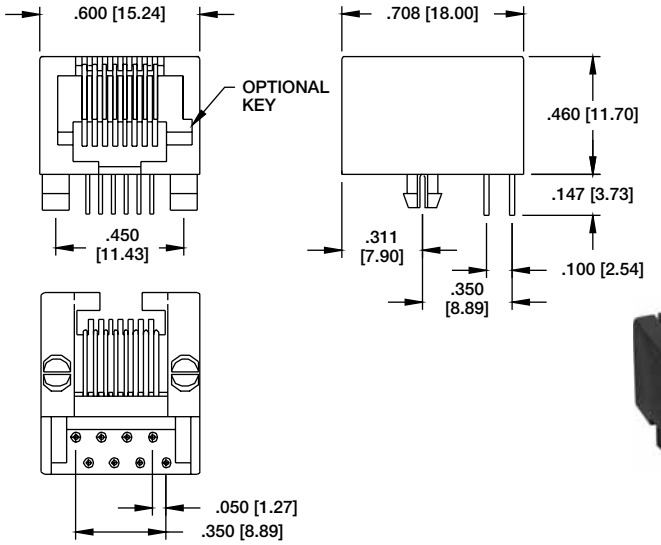


MTJ-665X1

Recommended PCB Layout



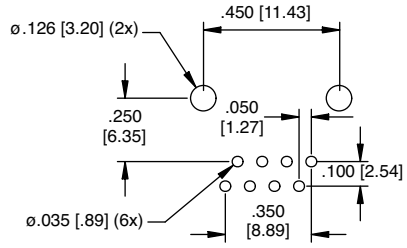
TYPE 5
8P8C



MTJ-885X1

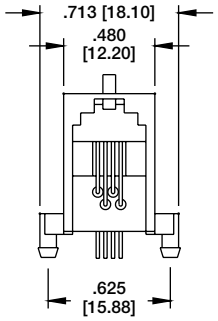
MT Option

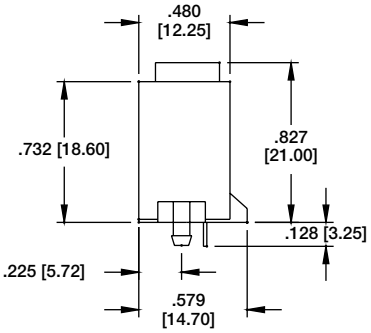
Recommended PCB Layout



Ordering Information pg. 9

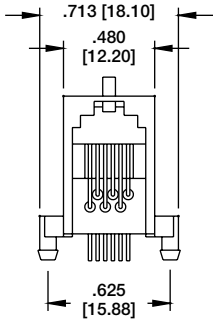
TYPE 7
4P4C

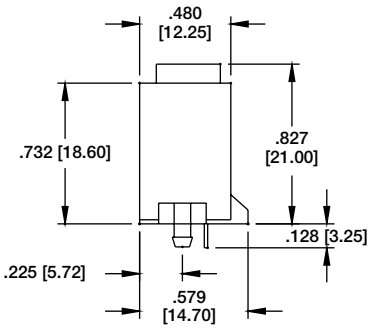




MTJ-447X1

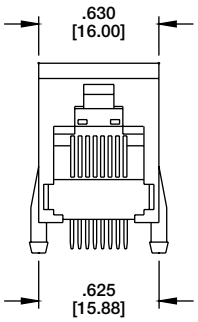
TYPE 7
6P4C
6P6C

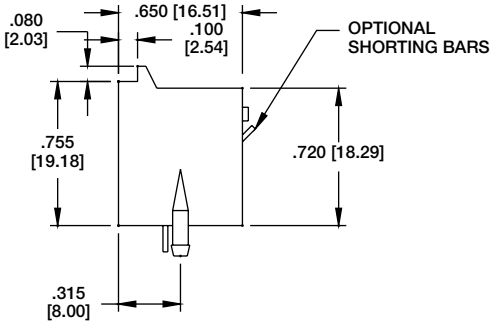




MTJ-647X1

TYPE 7
8P8C

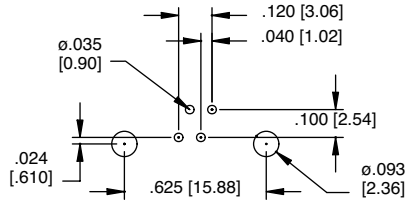




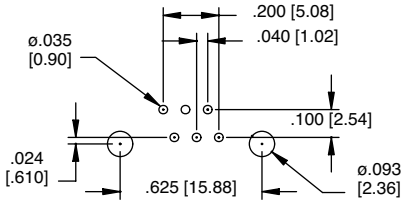
MTJ-887X1

Recommended PCB Layout

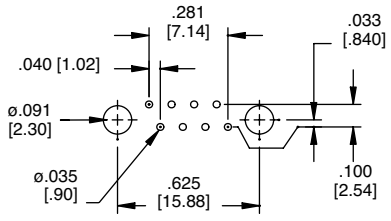
4p4c



6p4c
6p6c

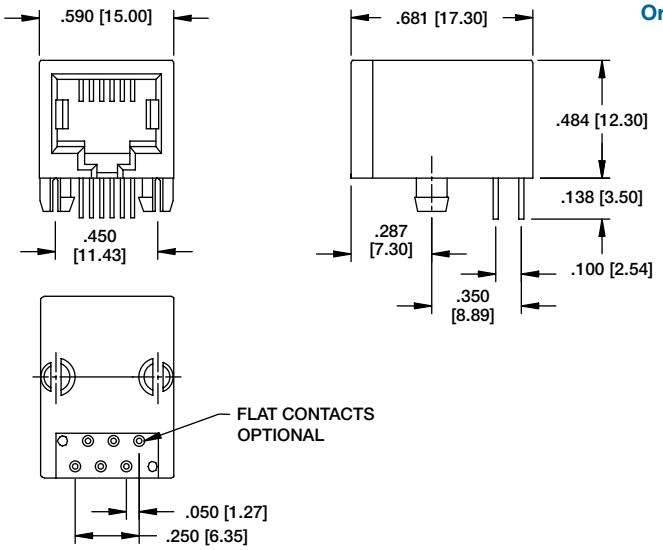


8p8c

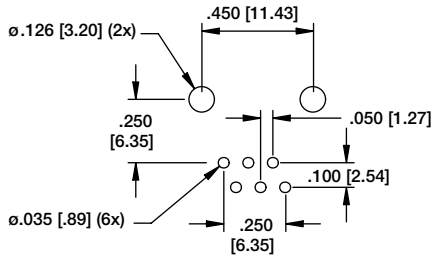


Ordering Information pg. 9

TYPE 9
6P4C
6P6C

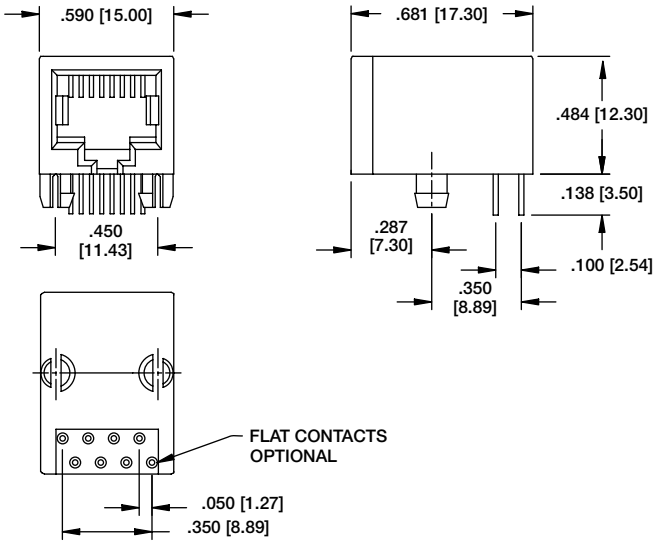


MTJ-669X1

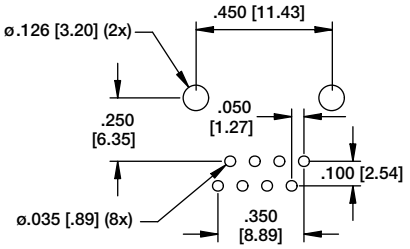


Recommended PCB Layout

TYPE 9
8P8C

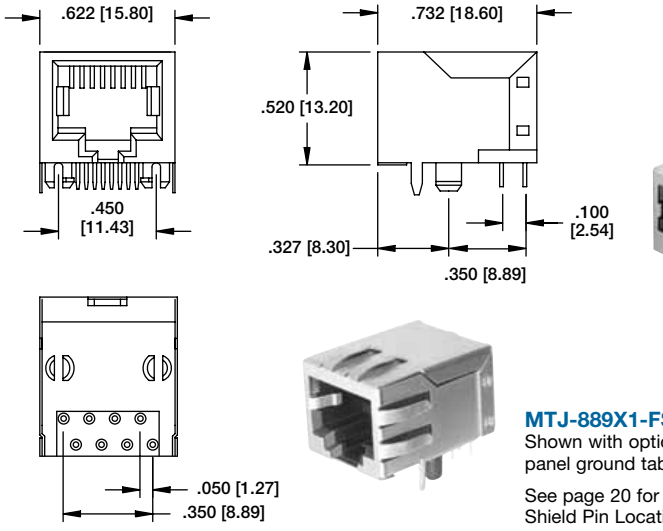


MTJ-889X1



Recommended PCB Layout

TYPE 9
8P8C
SHIELDED

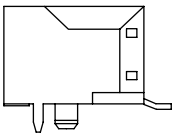


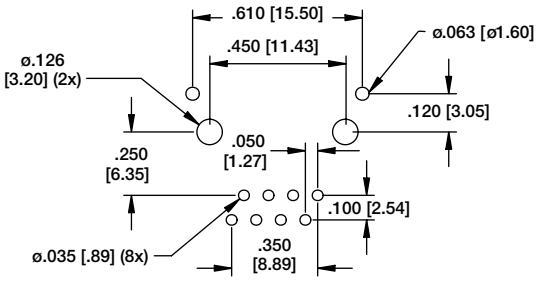
MTJ-889X1-FSE

MTJ-889X1-FSE-PG
Shown with optional panel ground tabs

See page 20 for other Shield Pin Location Options

SMT Option

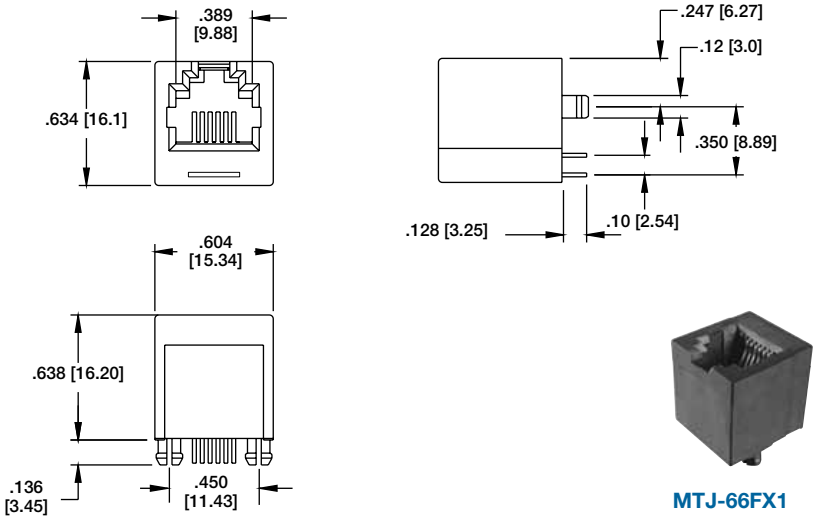




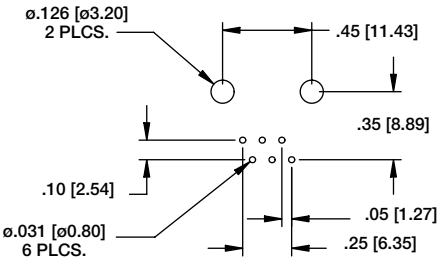
Recommended PCB Layout

Ordering Information pg. 9

TYPE F
6P6C

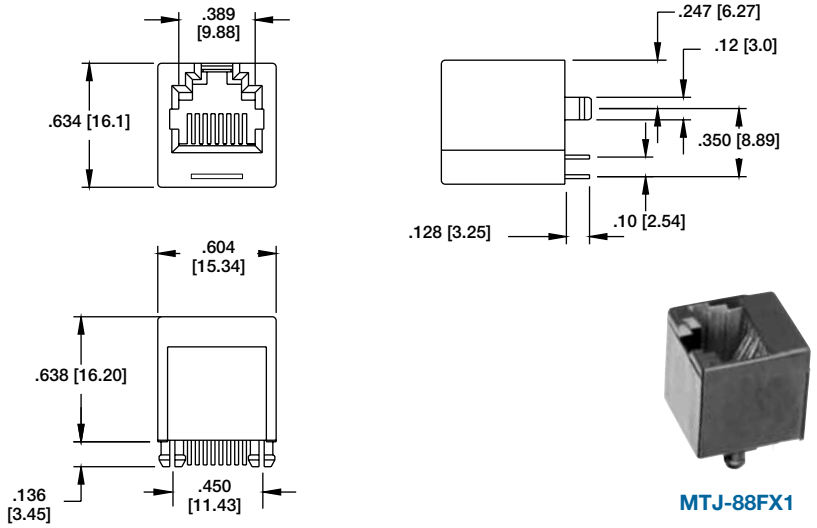


MTJ-66FX1

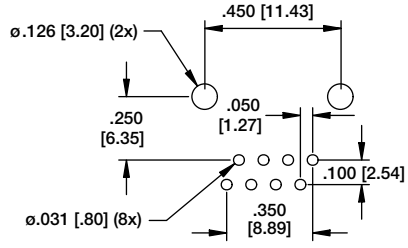


Recommended PCB Layout

TYPE F
8P8C

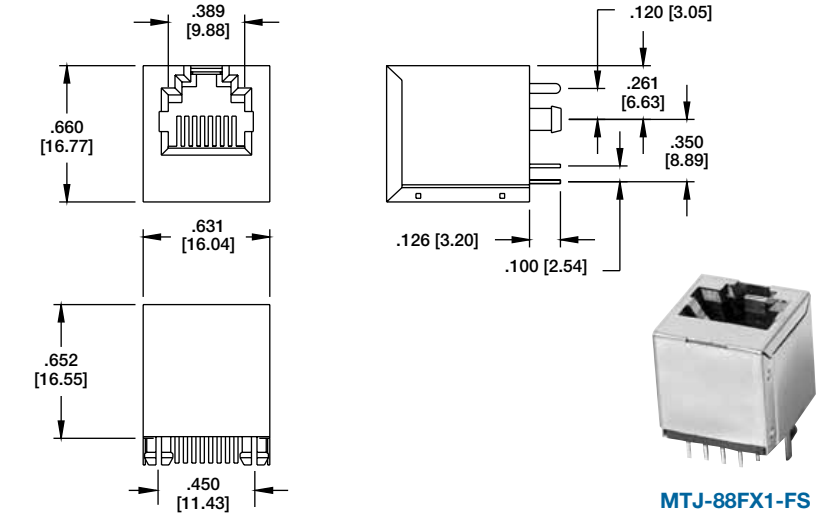


MTJ-88FX1

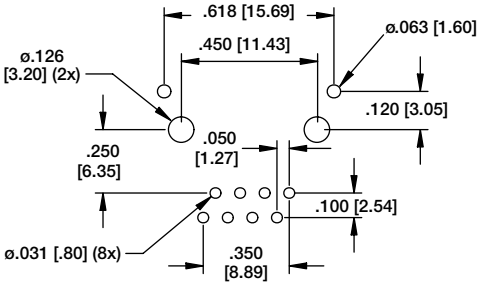


Recommended PCB Layout

TYPE F
SHIELDED
8P8C



MTJ-88FX1-FS



Recommended PCB Layout

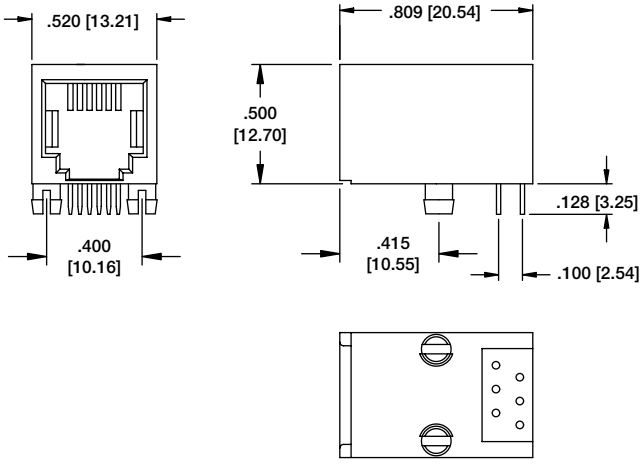
MODULAR JACKS

.500" HEIGHT, SIDE ENTRY - TYPE G

MTJ SERIES

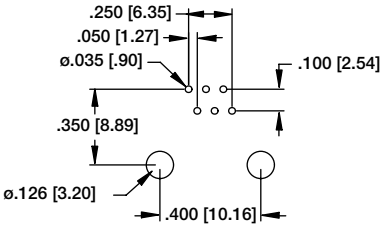
Ordering Information pg. 9

TYPE G
6P6C

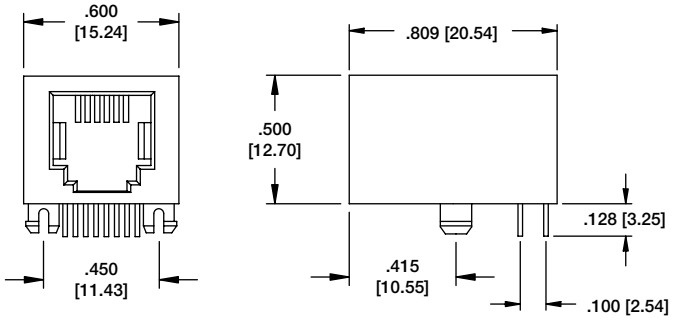


MTJ-64GX1

Recommended PCB Layout

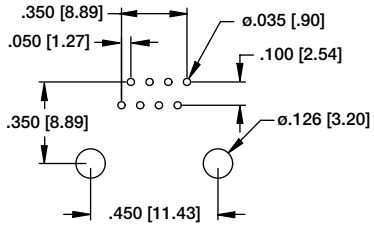


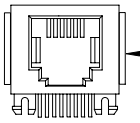
TYPE G
8P8C



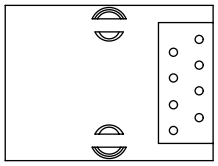
MTJ-88GX1

Recommended PCB Layout

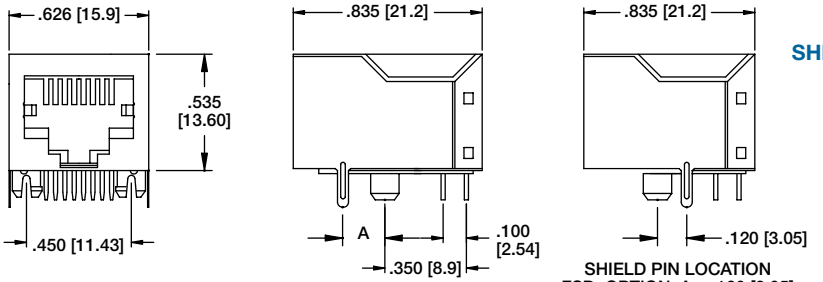




Available with optional panel stops
Add -PS to end of part No.

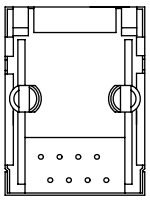


TYPE G
SHIELDED
8P8C



SHIELD PIN LOCATION
FSD OPTION: A = .120 [3.05]

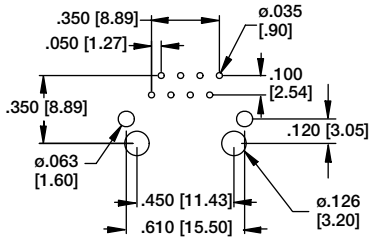
SHIELD PIN LOCATION OPTIONS
FSA OPTION: A = .170 [4.32]
FSB OPTION: A = .144 [3.66]
FSE OPTION: A = .120 [3.05]



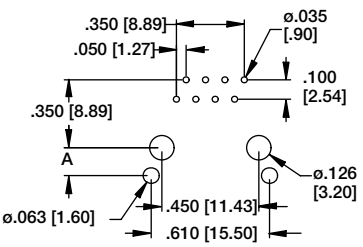
MTJ-88GX1-FSB-PG
Shown with Full Metal Shield
& Panel Ground Tab options

MTJ-88GX1-FSD
Shown with Full
Metal Shield option

Recommended PCB Layout (FSD)

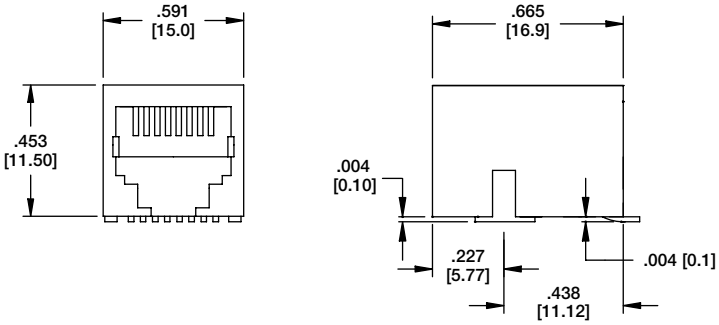


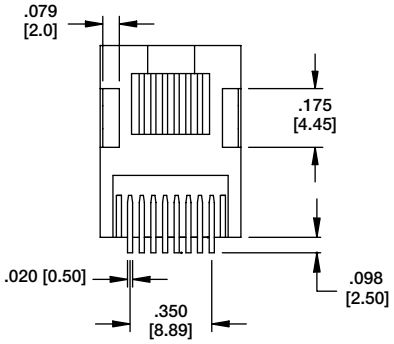
PCB Layout (FSA, FSB, & FSE)



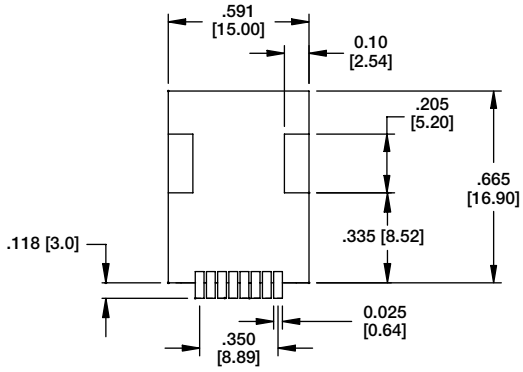
Ordering Information pg. 9

TYPE WA
SMT TABS IN
8P8C



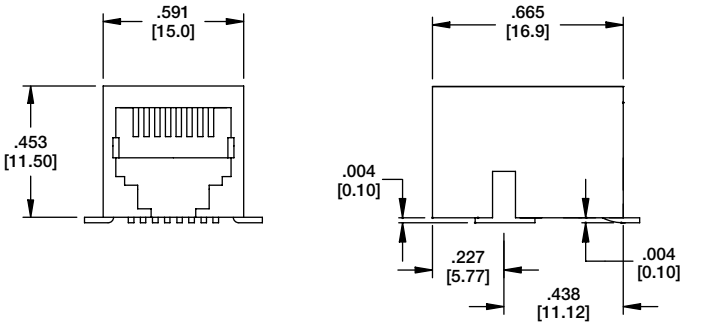


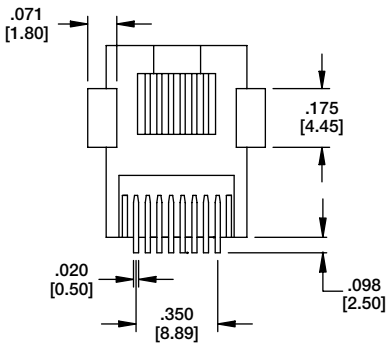
MTJ-88WAX1



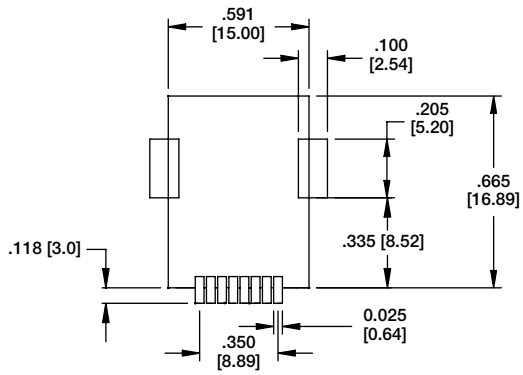
Recommended Solder Pad Layout

TYPE WB
SMT TABS OUT
8P8C





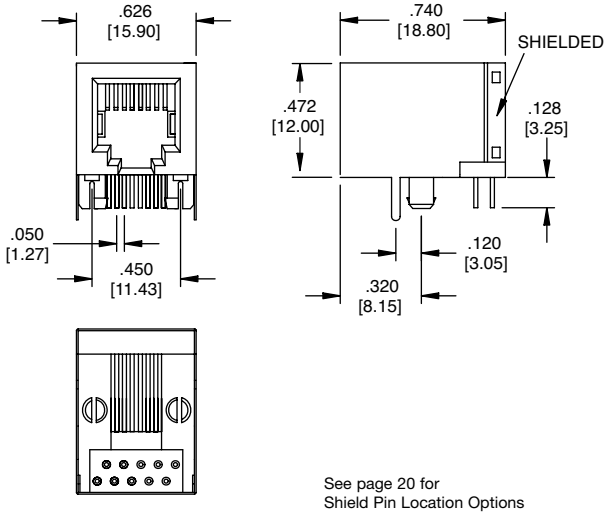
MTJ-88WBX1



Recommended Solder Pad Layout

Ordering Information pg. 9

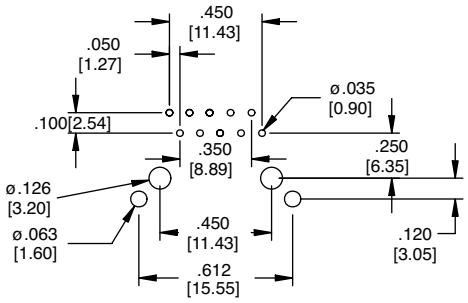
TYPE W
SHIELDED, THRU HOLE
8P8C
10P10C



See page 20 for
Shield Pin Location Options

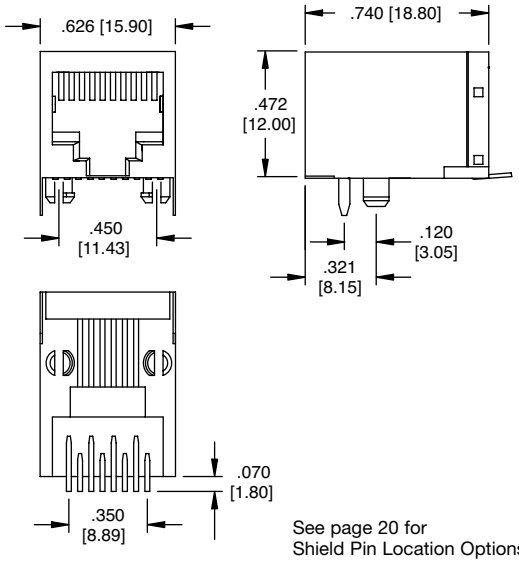
MTJ-88WX1-FSE

MTJ-88WX1-FSE-PG
Shown with optional
panel ground tabs



Recommended PCB Layout

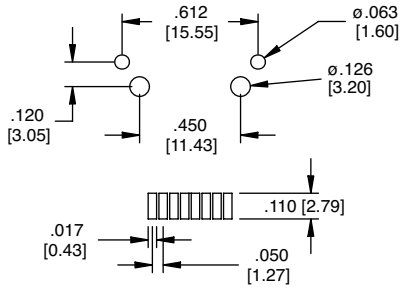
TYPE W
SHIELDED SMT WITH PLASTIC PEG
8P8C



See page 20 for
Shield Pin Location Options

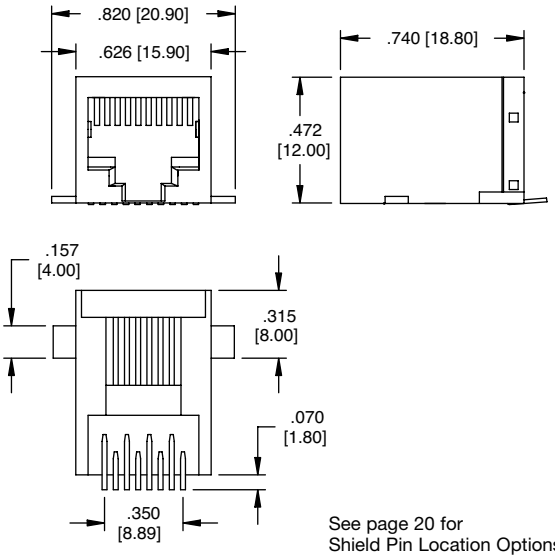
MTJ-88WX1-FSE-SMT

MTJ-88WX1-FSE-SMT-PG
Shown with optional
panel ground tabs



Recommended Solder Pad Layout

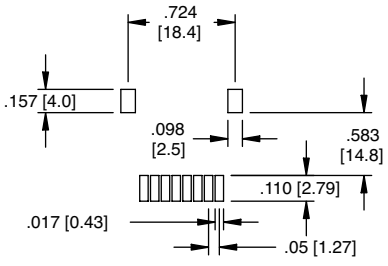
TYPE W
SHIELDED TRUE SMT
8P8C



See page 20 for
Shield Pin Location Options

MTJ-88WX1-FS-TSMT

MTJ-88WX1-FS-TSMT-PG
Shown with optional
panel ground tabs



Recommended Solder Pad Layout

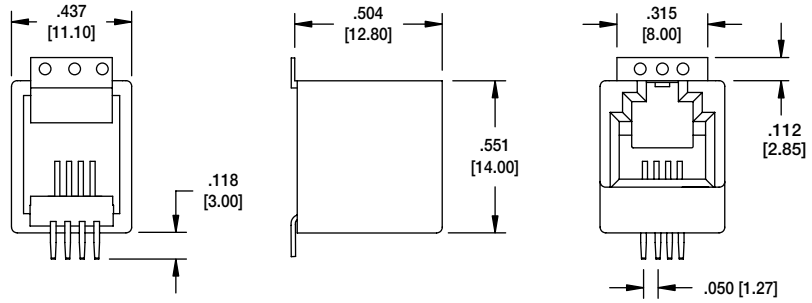
MODULAR JACKS

.504" HEIGHT, TOP ENTRY, SMT - TYPE H

MTJ SERIES

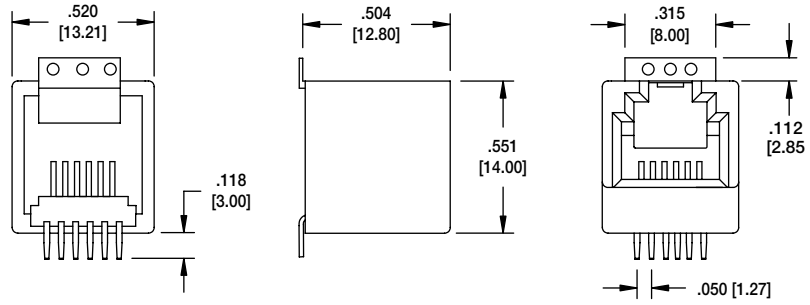
Ordering Information pg. 9

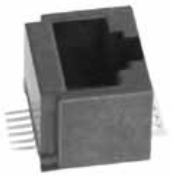
TYPE H
4P4C



MTJ-44HX1

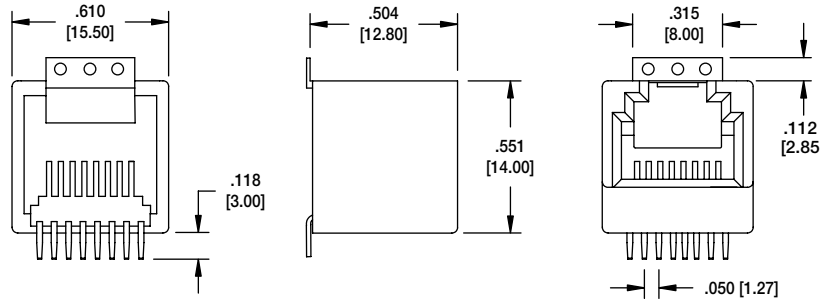
TYPE H
6P6C





MTJ-66HX1

TYPE H
8P8C

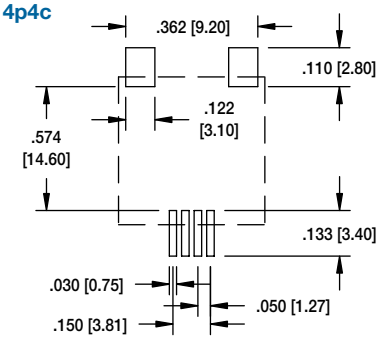


MTJ-88HX1

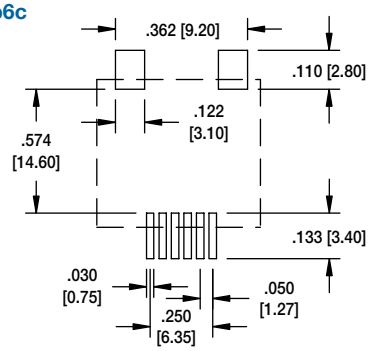
MTJ-88HX1-FS

Recommended PCB Layout

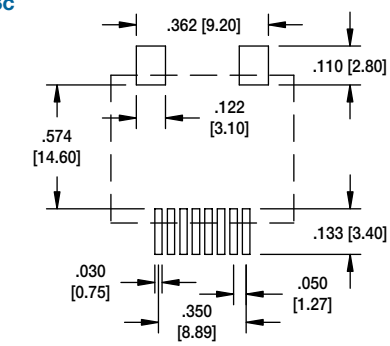
4p4c



6p6c



8p8c



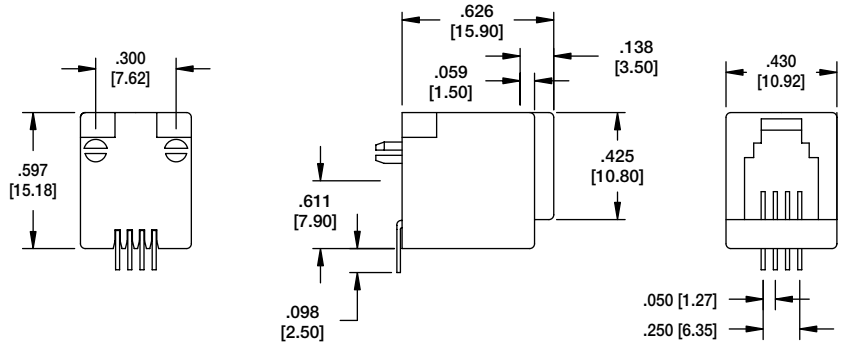
MODULAR JACKS

.626" HEIGHT, TOP ENTRY, SMT - TYPE K

MTJ SERIES

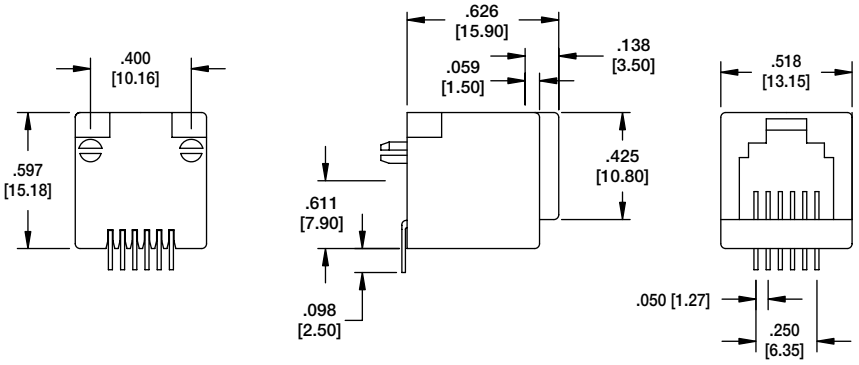
Ordering Information pg. 9

TYPE K
4P4C



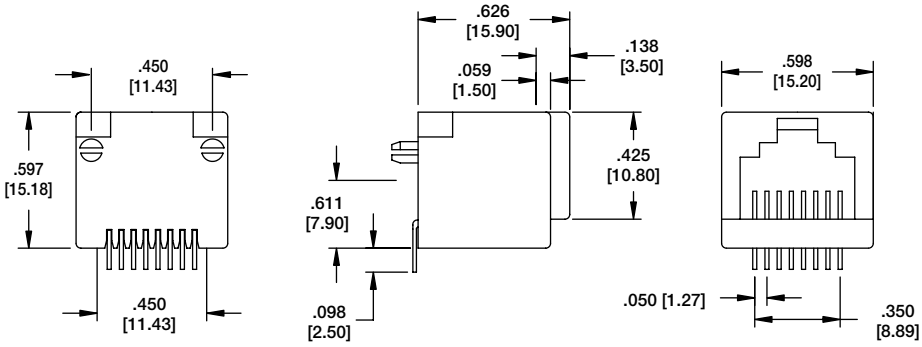
MTJ-44KX1

TYPE K
6P4C
6P6C



MTJ-66KX1

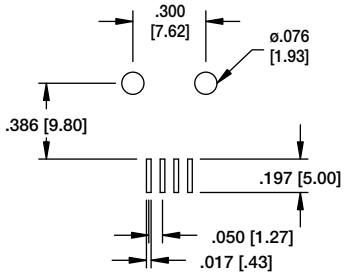
TYPE K
8P8C



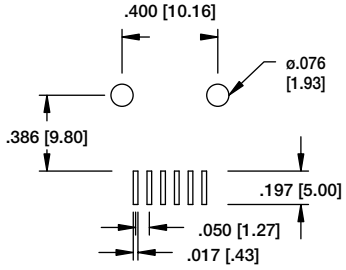
MTJ-88KX1

Recommended PCB Layout

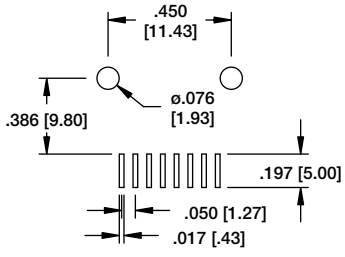
4p4c



6p6c

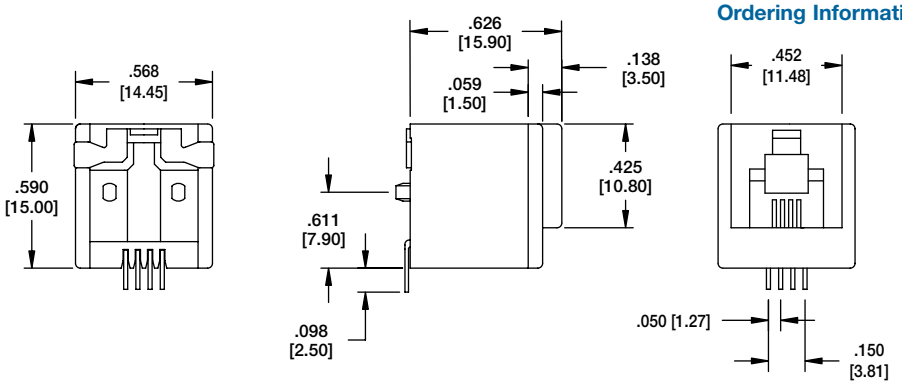


8p8c



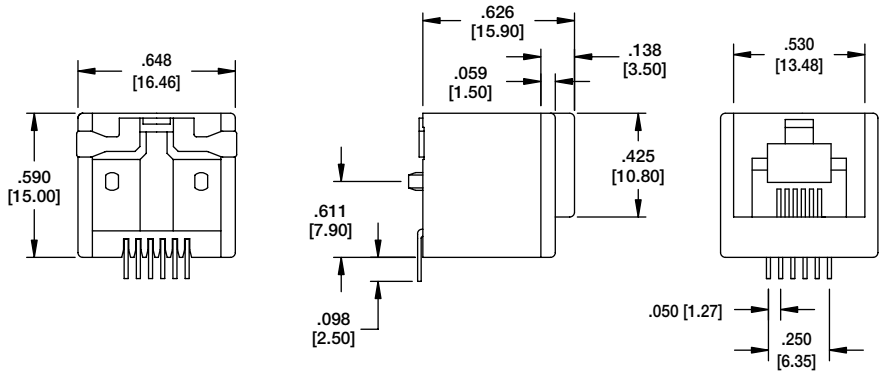
Ordering Information pg. 9

TYPE V
4P4C



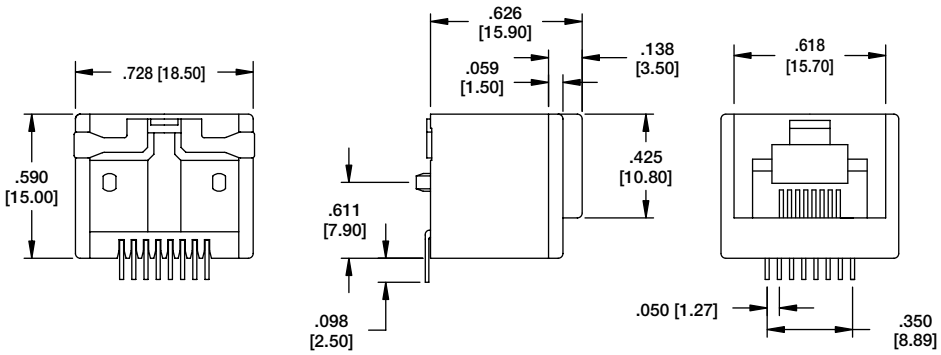
MTJ-44VX1

TYPE V
6P6C
6P4C



MTJ-66VX1

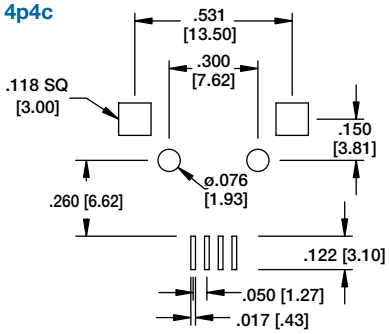
TYPE V
8P8C



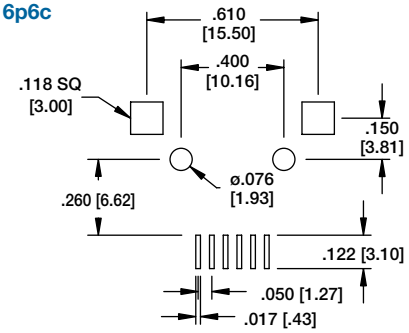
MTJ-88VX1

Recommended PCB Layout

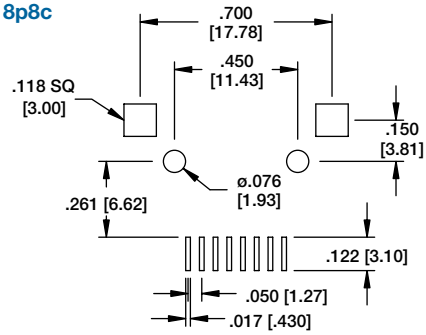
4p4c



6p6c

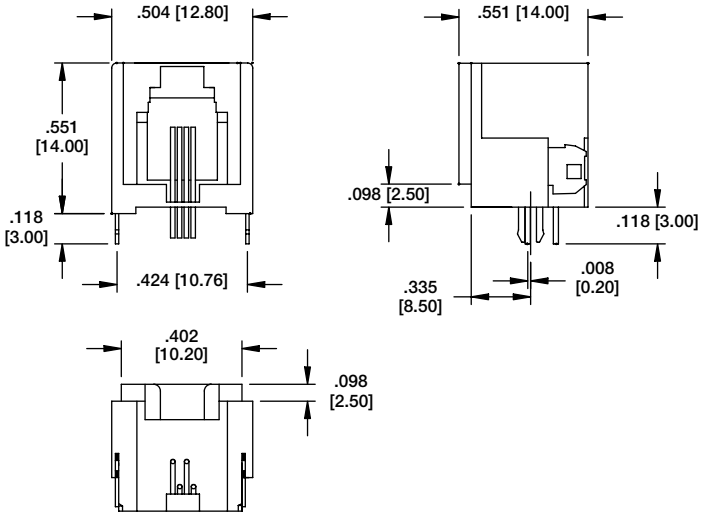


8p8c

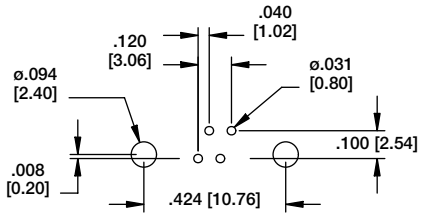


Ordering Information pg. 9

TYPE E
4P4C

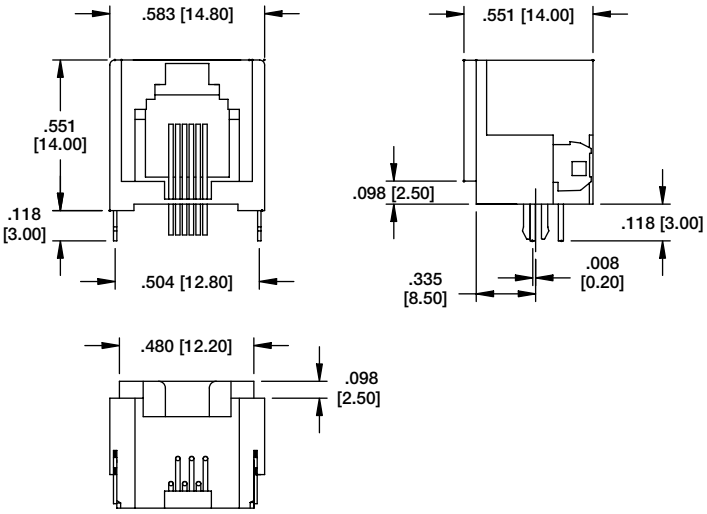


MTJ-44EX1

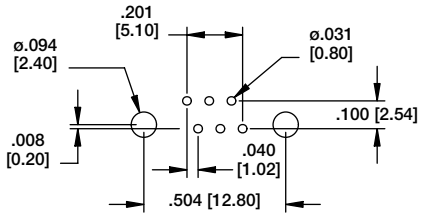


Recommended PCB Layout

TYPE E
6P4C
6P6C

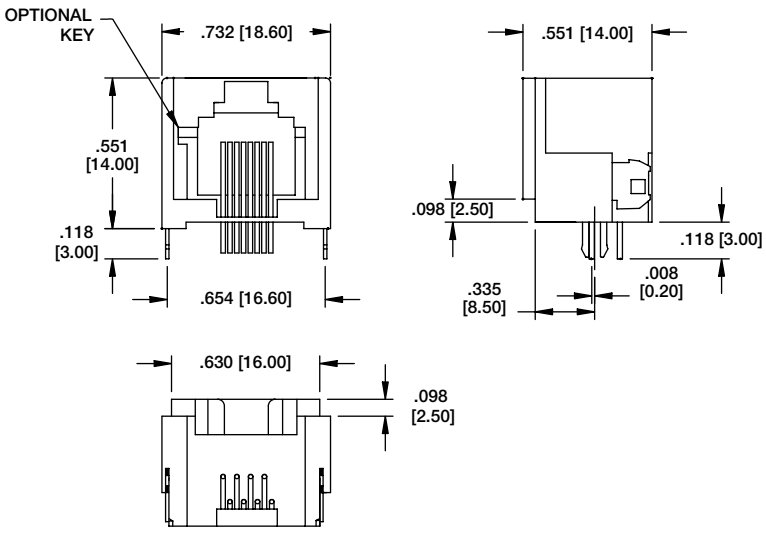


MTJ-66EX1

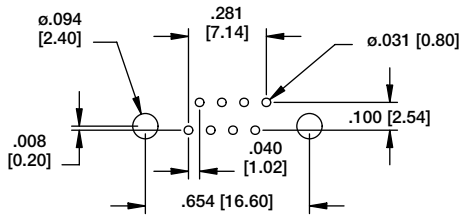


Recommended PCB Layout

TYPE E
8P8C



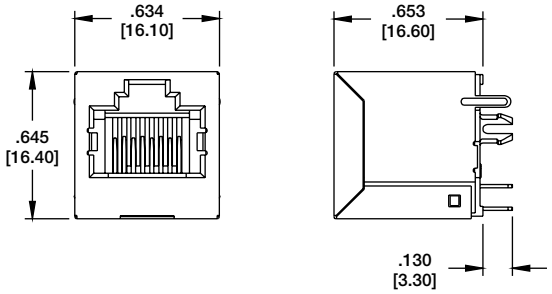
MTJ-88EX1



Recommended PCB Layout

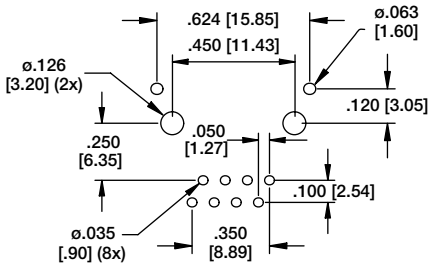
Ordering Information pg. 9

TYPE A
CAT. 5, TOP ENTRY
8P8C

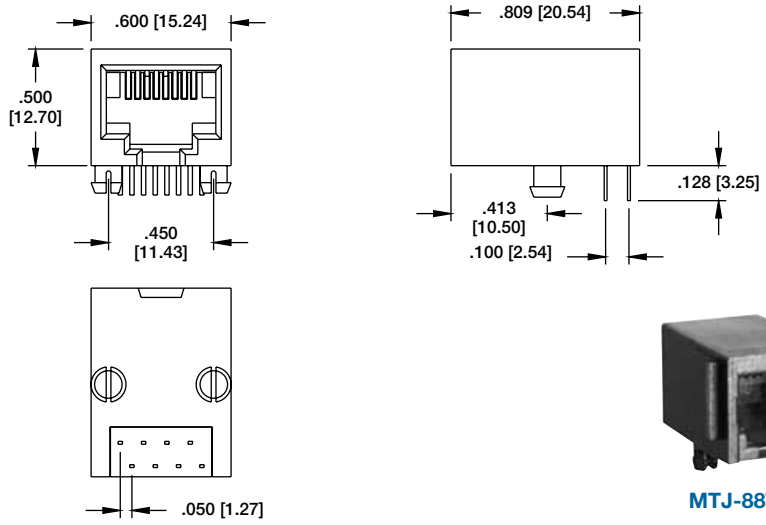


MTJ-88AX1-FSE

Recommended PCB Layout

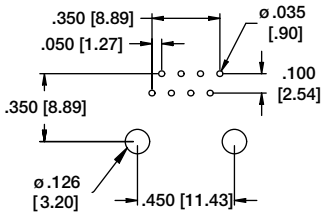


TYPE T
CAT. 5, SIDE ENTRY
8P8C

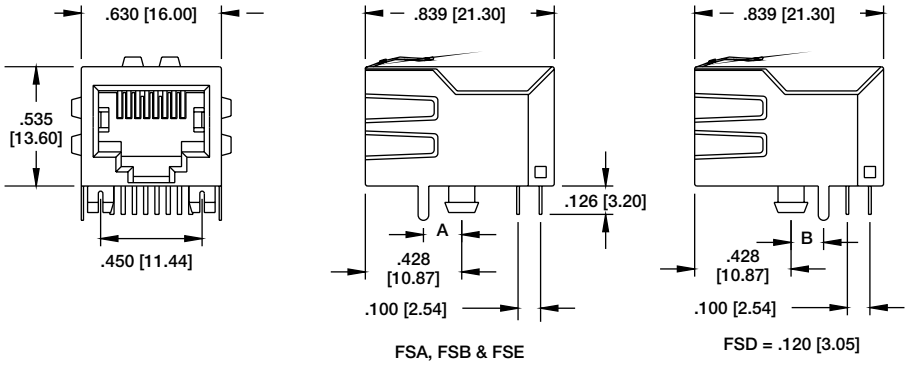


MTJ-88TX1

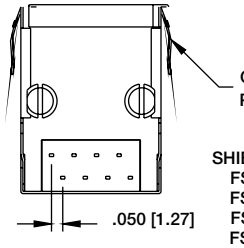
Recommended PCB Layout



TYPE T
CAT. 5, SHIELDED
8P8C



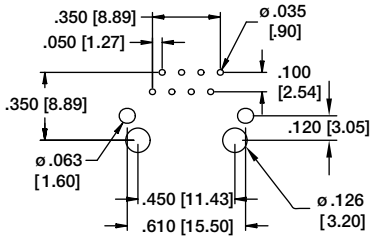
MTJ-88TX1-FSE-PG
Available with or without panel ground tabs



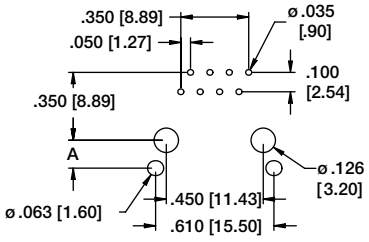
OPTIONAL
PANEL GROUND TABS

Dimensions A & B
SHIELD PIN LOCATION OPTIONS
FSA OPTION: A = .170 [4.32]
FSB OPTION: A = .144 [3.66]
FSE OPTION: A = .120 [3.05]
FSD OPTION: B = .120 [3.05]

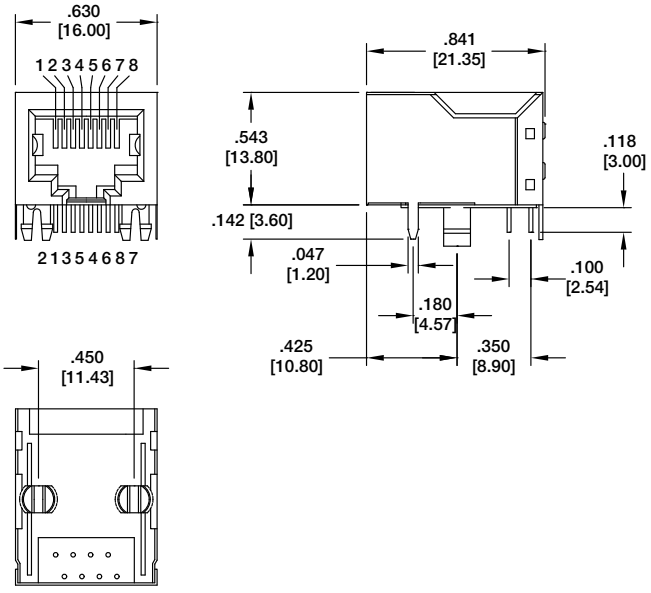
PCB Layout (FSD)



PCB Layout (FSA, FSB & FSE)

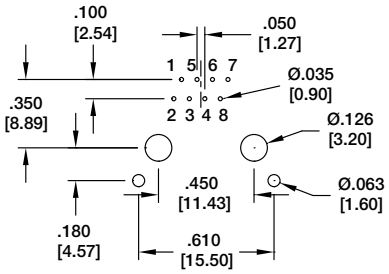


TYPE T
CAT. 5e, SHIELDED



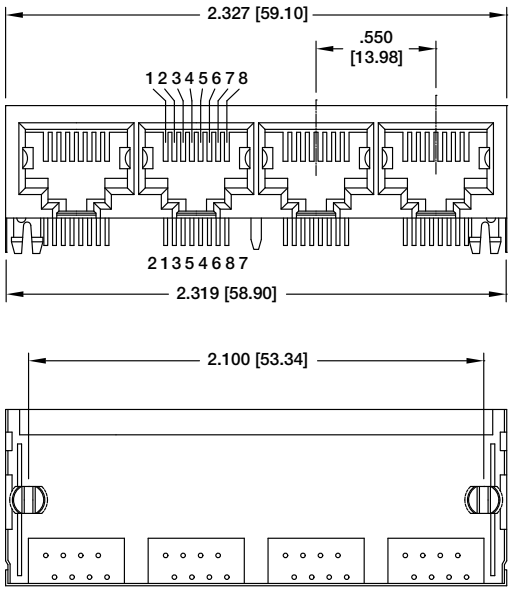
MTJ-88TX1-FSG-C5e

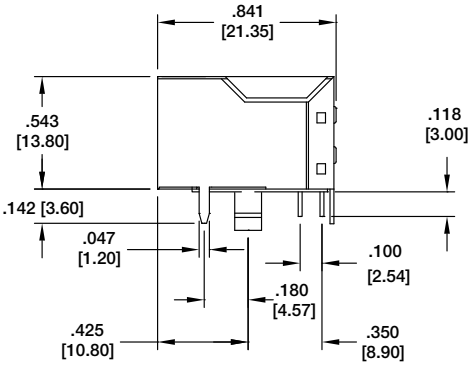
MTJ-88TX1-FSG-PG-C5e



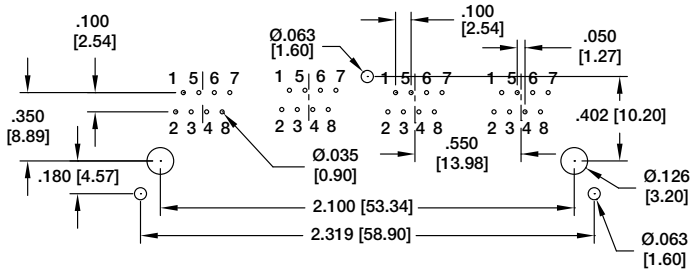
Recommended PCB Layout

TYPE T
GANGED
CAT. 5e, SHIELDED

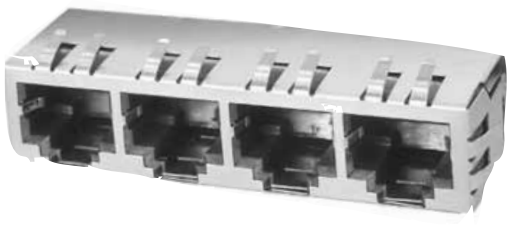




MTJG-4-88TX1-FSG-C5e



Recommended PCB Layout

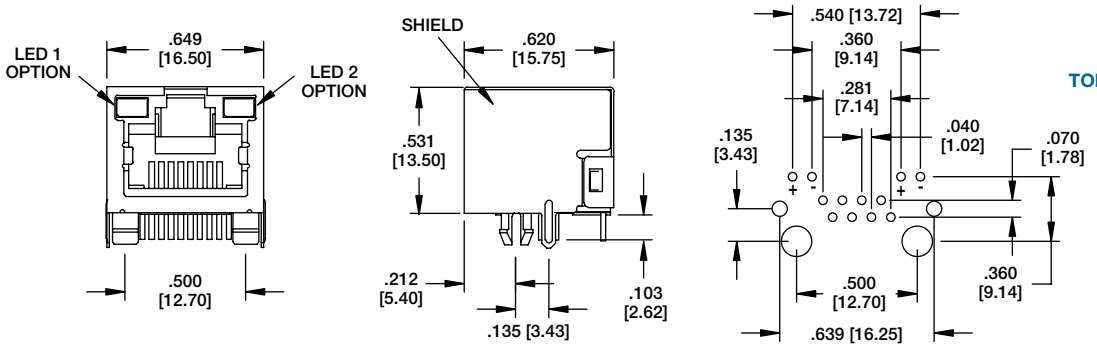


MTJG-4-88TX1-FSG-PG-C5e

MODULAR JACKS WITH LEDs

LED JACKS - TYPE AA, AR & D

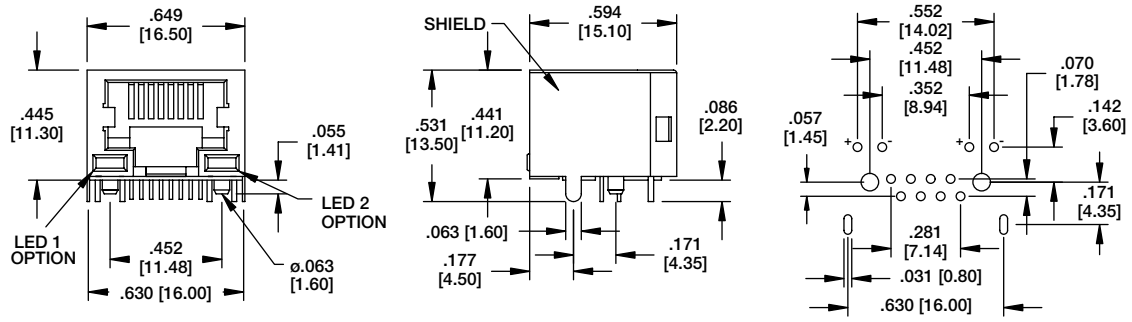
MTJ SERIES



TYPE AR

LED JACK .531" HEIGHT
TOP TAB & TOP LEDs, THRU HOLE
8P8C

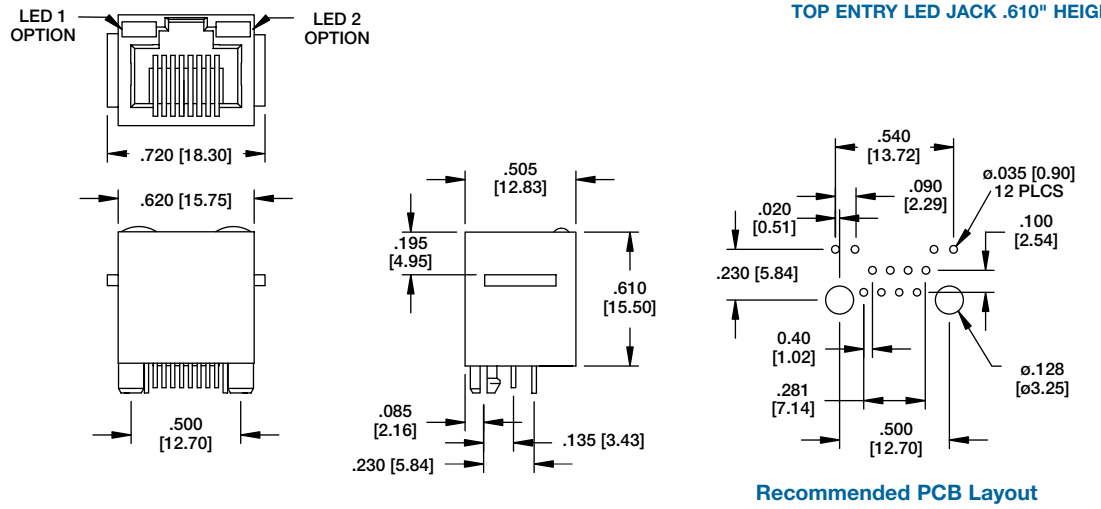
MTJ-88ARX1-FS-LG
Also available with panel ground tabs



TYPE AA

LED JACK BOTTOM TAB & BOTTOM LEDs THRU HOLE
8P8C

MTJ-88AAX1-FS-LG



Recommended PCB Layout

TYPE D

TOP ENTRY LED JACK .610" HEIGHT WITH LEDs, NON-SHIELDED
8P8C

MTJ-88DX1-LG

Add suffix to end of P/N:

LED CONFIGURATION		
SUFFIX	LED 1	LED 2
LA	YELLOW	YELLOW
LD	GREEN	GREEN

See pg. 43 for additional LED options

JACKS WITH LEDs ORDERING INFORMATION

MTJ	8	8	AR	2	1	LD

SERIES INDICATOR
MTJ = Modular telephone jack

HOUSING PLUG SIZE
8 or 10

NO. OF CONTACT POSITIONS FILLED
6, 8 or 10

HOUSING TYPE
AR, AA, D, G

PLATING
X = Gold Flash
0 = 15 µin gold
1 = 30 µin gold
2 = 50 µin gold

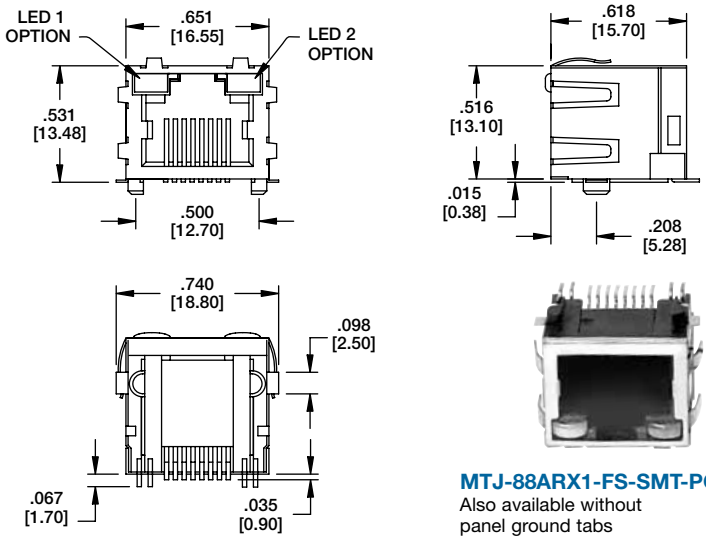
BODY COLOR
1 = Black
2 = Gray

LED CONFIGURATION
See Chart above
Leave blank for no LEDs

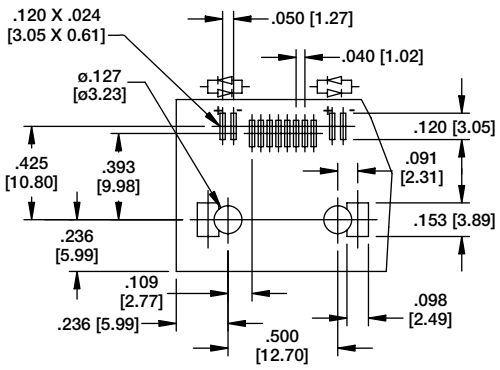
OPTIONS:
SMT = Surface mount tails with Hi-Temp insulator
PG = Panel Ground Tabs
LX = LEDs, use LA, LD, LG, LH, LI, see LED Configuration Chart

Ordering Information pg. 29

TYPE AR
WITH SMT OPTION
8P8C



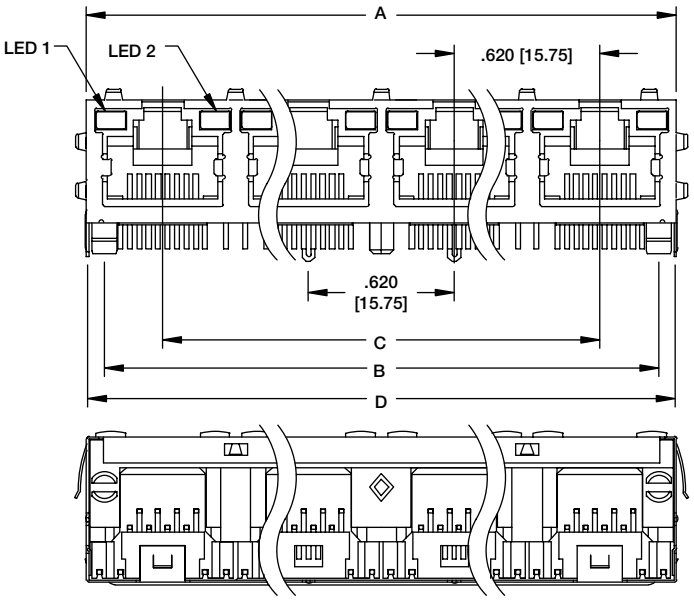
MTJ-88ARX1-FS-SMT-PG-LG
Also available without panel ground tabs

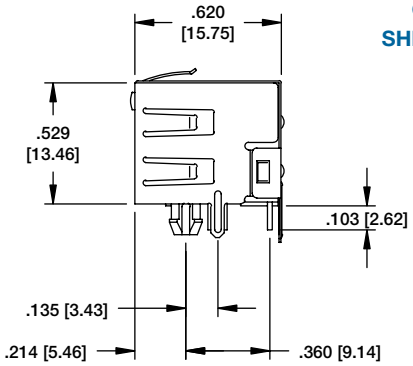


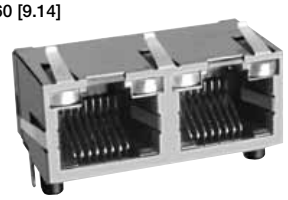
Recommended PCB Layout

Ordering Information pg. 34

TYPE AR
GANGED WITH METAL SHIELD, PANEL GROUND TABS AND LED OPTION
8P8C







MTJG-4-88ARX1-FSM-PG-LG

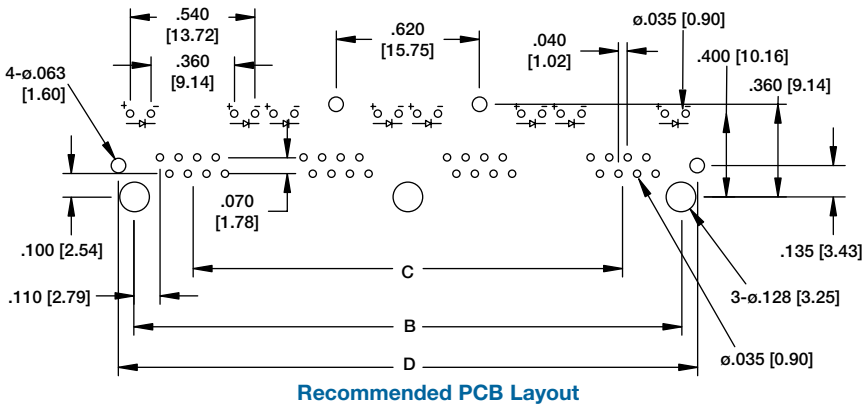
Shown with metal shield, panel ground tabs and LED options

Add suffix to end of P/N:

LED CONFIGURATION		
SUFFIX	LED 1	LED 2
LA	YELLOW	YELLOW
LD	GREEN	GREEN

2, 4 & 8 Ports available
See pg. 43 for additional LED options

A = .620 [15.75] x No. of Ports + .029 [0.75]
B = .620 [15.75] x No. of Ports - 1 + .500 [12.70]
C = .620 [15.75] x No. of Ports - 1
D = .620 [15.75] x No. of Ports + .019 [0.50]



Recommended PCB Layout

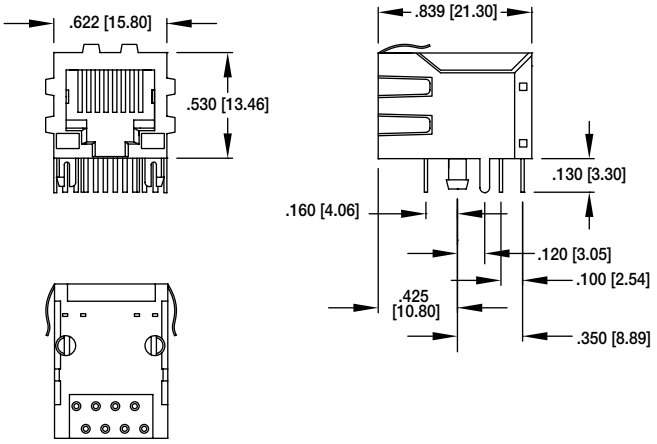
MODULAR JACKS WITH LEDs

SINGLE & GANGED LED JACKS - TYPE G & J

MTJ SERIES

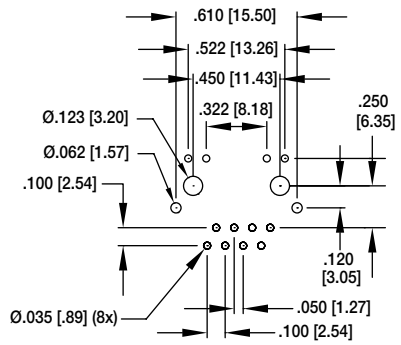
Ordering Information pg. 29

TYPE G
WITH LEDs



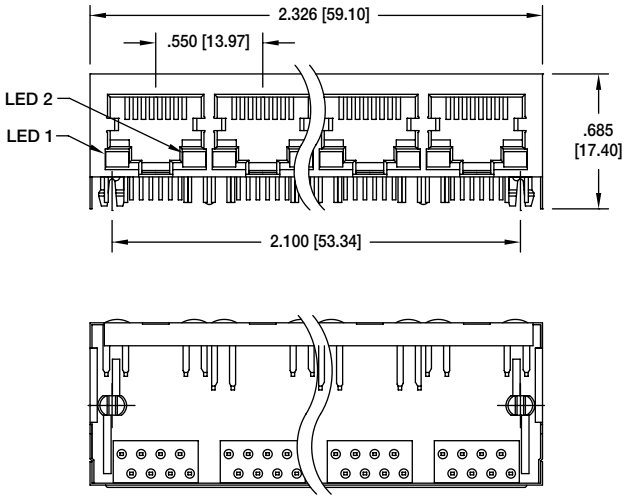
MTJ-88GX1-FSD-LH

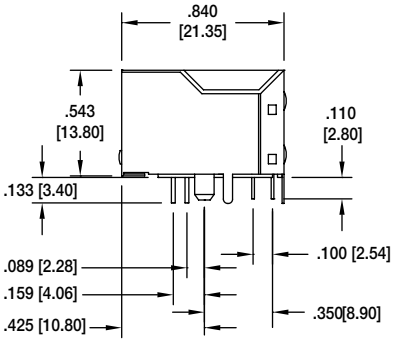
MTJ-88GX1-FSD-LH-PG



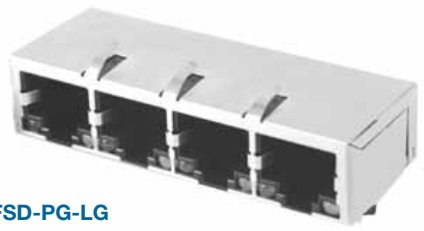
Recommended PCB Layout

TYPE G GANGED
WITH LEDs





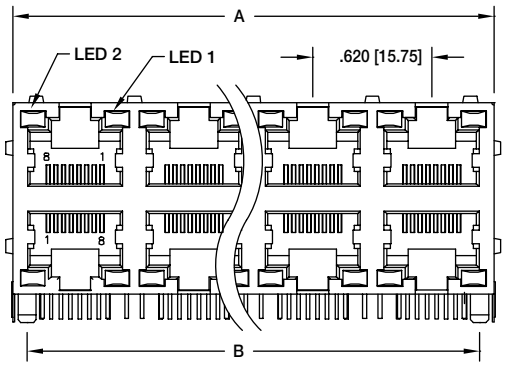
2, 4 & 6 PORTS AVAILABLE

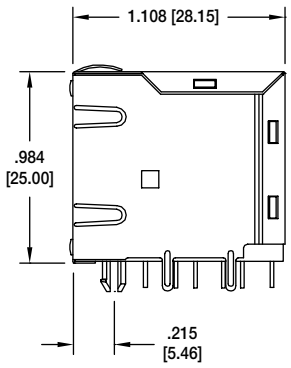


MTJG-4-88GX1-FSD-PG-LG

Ordering Information pg. 34

TYPE J STACKED
WITH LEDs





PART NUMBER	PORTS	DIMENSIONS	
		A	B
MTJG-2-88JX1-FSM-LXX	2 X 1	.650 [16.51]	.500 [12.70]
MTJG-4-88JX1-FSM-LXX	2 X 2	1.265 [32.15]	1.120 [28.45]
MTJG-8-88JX1-FSM-LXX	2 X 4	2.50 [63.65]	2.360 [59.95]
MTJG-12-88JX1-FSM-LXX	2 X 6	3.74 [95.15]	3.600 [91.45]

See pg. 43 for additional LED options

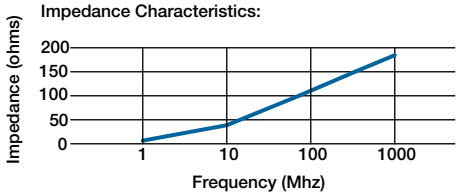
FILTERED MODULAR JACKS

Inductive filtered modular jacks improve signal integrity and are available in a variety of styles including tin plated copper shielding with a choice of magnetic transformer or ferrite filter. Adam Tech offers drop in equivalents to all industry standard filtered jacks

Ordering Information pg. 9

TYPE M
EMI FERRITE FILTERED JACK

Impedance Characteristics:



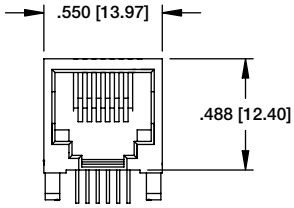
MTJ-88MX1
Non-Shielded

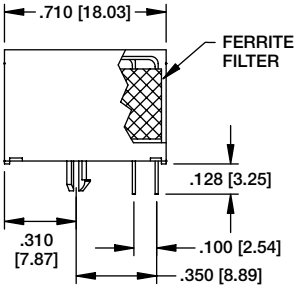
MTJ-88MX1-FSE
Metal Shielded

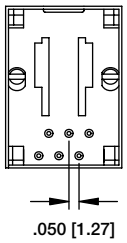
MTJ-88MX1-FSE-PG
Metal Shielded with panel ground tabs

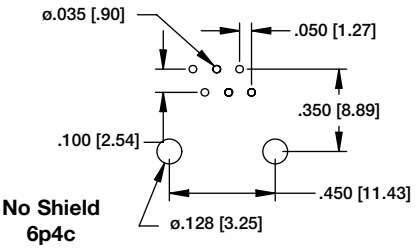
EMI FERRITE FILTERED JACK

TYPE M
6P6C
6P4C



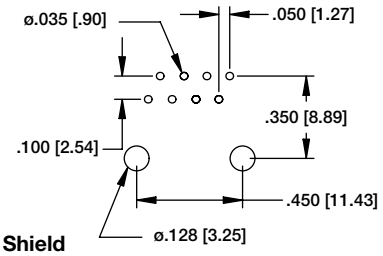






No Shield
6p4c
6p6c

Recommended PCB Layout

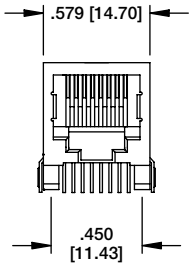


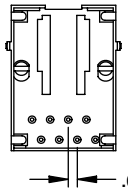
No Shield
8p8c

Recommended PCB Layout

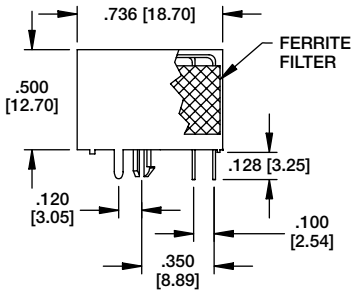
EMI FERRITE FILTERED & SHIELDED JACK

TYPE M
8P8C



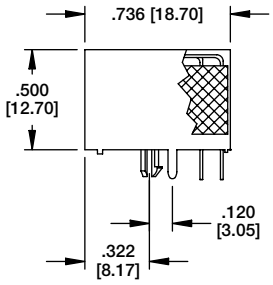


FSE Shield Pin Location

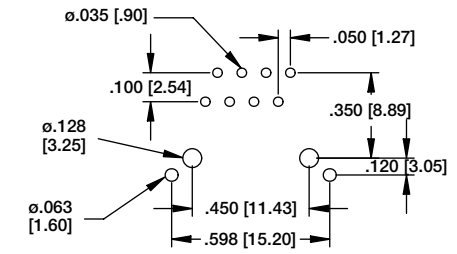


MTJ-88MX1-FSE

FSD Shield Pin Location

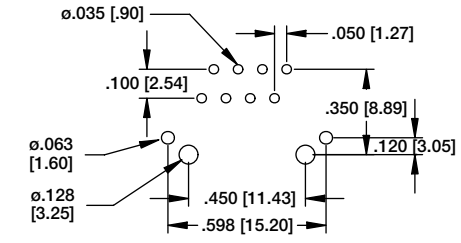


MTJ-88MX1-FSD



FSE Shield
8p8c

Recommended PCB Layout



FSD Shield
8p8c

Recommended PCB Layout

INTEGRATED MAGNETICS JACK

INTEGRATED MAGNETICS & LEDs
10/100 BASE T & 1000 BASE T

MTJ SERIES

INTRODUCTION:
Adam Tech MTJ series RJ-45 connectors with integrated magnetics are designed to support Base 10, 100 and 1000-T applications such as hubs, routers, ADSL modems, and ATM transmission equipment. The integrated magnetics allows the design engineer to save PC board real-estate and lower the total part count per system. This series meets all applicable specifications for CAT 5, 5e, 6 and IEEE 802.3. The USB model meets all applicable USB 2.0 specifications. All configurations are available with optional LED's.

FEATURES:
Single, stacked and ganged configurations available All products have a full metal shield to guard against electromagnetic interference. Hi-Temp option availableAll products are fully lead free and RoHS compliant

MATING PLUGS:
Adam Tech modular telephone plugs and all industry standard telephone plugs.

SPECIFICATIONS:

Material:
Insulator: PBT, glass filled, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze or Brass
Shield: Copper Alloy, Nickel or Tin plated

Contact Plating:
Gold over Nickel underplate on contact area, Tin over Copper underplate on solder tails.

ELECTRICAL:
Operating Voltage: 150V AC
Current Rating: 1.5 Amps Max.
Contact Resistance: 20 mΩ Max.
Insulation Resistance: 500 MΩ Min.
Dielectric Withstanding Voltage: 1500V AC for 1 Minute
DC resistance: 1.2 Ohms Max.
Interwinding capacitance: 35pF @ 1MHz
Insertion loss: 100KHz to 80MHz = -1.1dB Min.
Return loss: 1MHz to 30MHz = -18dB Min.
30MHZ to 80MHz = -12dB Min.
Rise time: 30nS Max.
Cross talk: 1MHz to 100MHz = 40dB TYP.
Common to Common mode Attenuation: 35dB TYP.

MECHANICAL:
Insertion force: 8 Contacts: 22.5N
10 Contacts: 24.5N

TEMPERATURE RATING:
Operation Temperature: -40°C ~ +85°C

PACKAGING:
Anti-ESD plastic trays or tubes

SAFETY AGENCY APPROVALS:
UL Recognized & CSA Certified, File no. E224049

Pb RoHS COMPLIANT
HI-TEMP INSULATOR AVAILABLE
c UL us
FC

MAGNETICS TELEPHONE JACK ORDERING INFORMATION

MTJ	8	8	C	X	1	FSD	LD	M5

SERIES INDICATOR
MTJ = Modular Telephone Jack

HOUSING PLUG SIZE
8 or 10

NO. OF CONTACT POSITIONS FILLED
8 or 10

HOUSING TYPE
C = Tab Up, Extended Body
S = Tab Up, Standard Body
T = Tab Down, Short Body

PLATING
X = Gold Flash
0 = 15 µin gold
1 = 30 µin gold
2 = 50 µin gold

BODY COLOR
1 = Black

SHIELD PIN LOCATION OPTION
FSD or **FSP**
(See drawing on page 41)

LED
LX = Led Color
(See Chart on page 43)
RLX = Led with Resistor

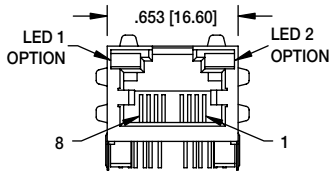
TRANSFORMER TYPE M1 Thru **M20**
(See page 44-45)
Consult Factory if transformer type required is not shown

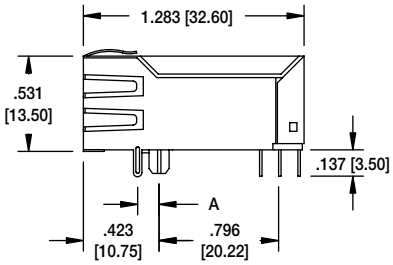
OPTIONS:
Add designator(s) to end of part number
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
PG = Panel ground tabs

INTEGRATED MAGNETICS JACK

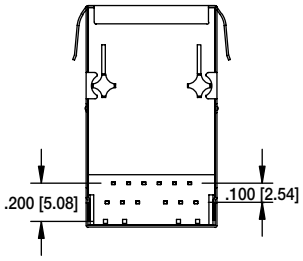
INTEGRATED MAGNETICS & LEDs
10/100 BASE T & 1000 BASE T

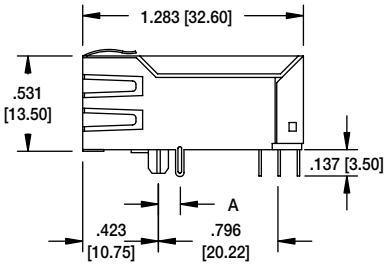
TYPE C
TAB UP & TOP LEDs, EXTENDED BODY



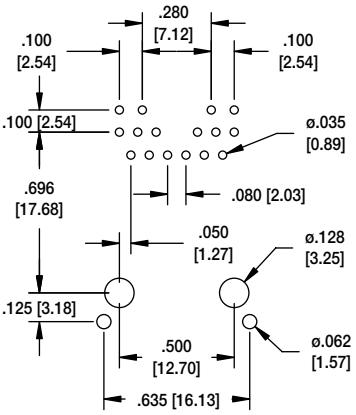


MTJ-88CX1-FSP-PG-LG-M3





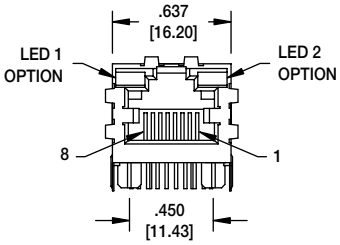
SHIELD PIN LOCATION DIM. A
FSD DIMENSION: A = .120 [3.05]
FSP DIMENSION: A = .125 [3.17]

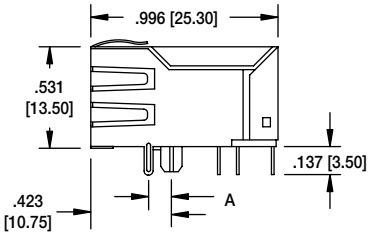


Recommended PCB Layout
FSP Option Shown

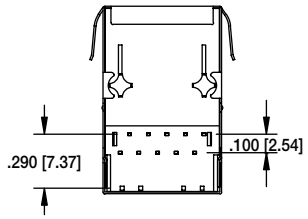
AVAILABLE WITH MAGNETIC TRANSFORMERS: M1, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M16 & M20.

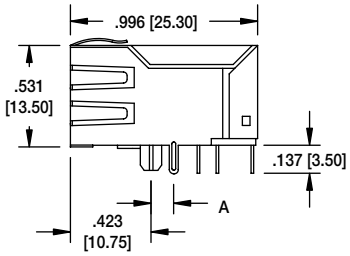
TYPE S
TAB UP & TOP LEDs, STANDARD BODY



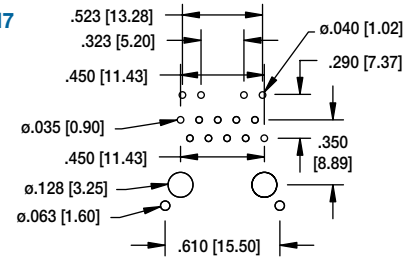


MTJ-88SX1-FSP-PG-LG-M7





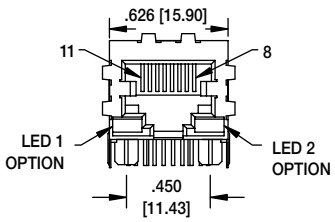
SHIELD PIN LOCATION DIM. A
FSD DIMENSION: A = .120 [3.05]
FSP DIMENSION: A = .125 [3.17]

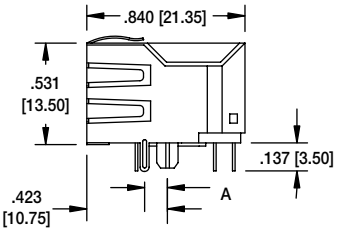


Recommended PCB Layout
FSP Option Shown

AVAILABLE WITH MAGNETIC TRANSFORMERS: M1, M3, M4, M5, M6, M7, M9, M10, M11, M12 & M13. See pgs. 44-45

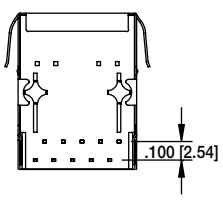
TYPE T
TAB DOWN & BOTTOM LEDs, SHORT BODY

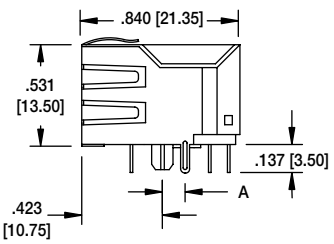




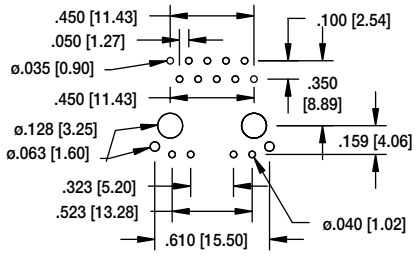
MTJ-88TX1-FSP-PG-LG-M5

Tab Up Type also available





SHIELD PIN LOCATION DIM. A
FSD DIMENSION: A = .120 [3.05]
FSP DIMENSION: A = .125 [3.17]



Recommended PCB Layout
FSP Option Shown

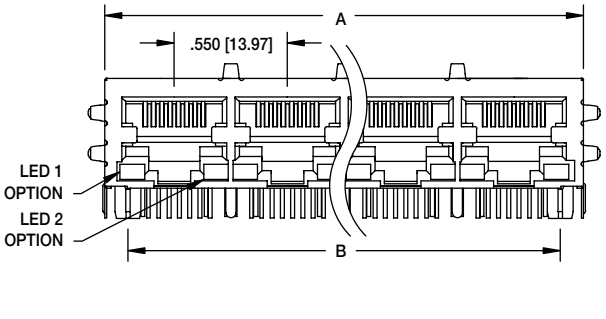
AVAILABLE WITH MAGNETIC TRANSFORMERS: M1, M3, M4, M5, M6, M7, M9, M10, M11, M12 & M13. See pgs. 44-45

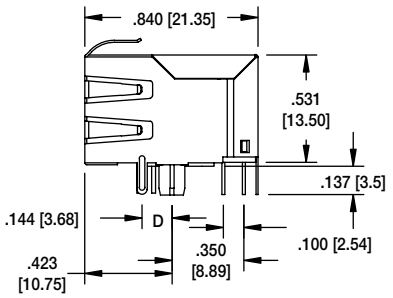
INTEGRATED MAGNETICS JACK

WITH INTEGRATED MAGNETICS & LEDs
10/100 BASE T & 1000 BASE T

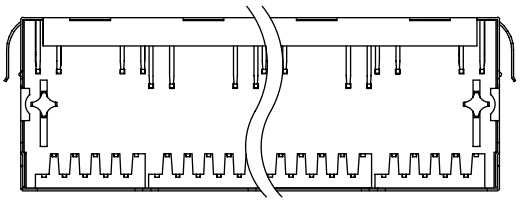
Ordering Information pg. 40

TYPE T
TAB DOWN, SHORT BODY
MAGNETICS & LEDs
2, 4 & 5 PORTS GANGED

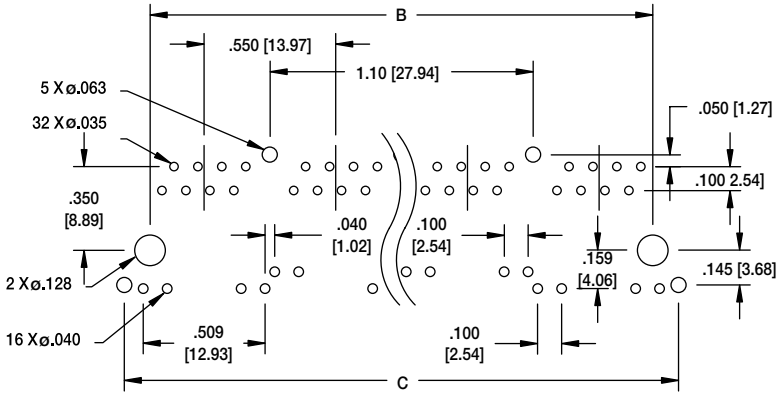




"D" DIM.
FSA = .170 [4.32]
FSB = .144 [3.65]
FSG = .180 [4.57]
FSE = .120 [3.05]



MTJG-4-88TX1-FSB-PG
Drawing shown with metal shield, panel ground tabs, LEDs and magnetics option

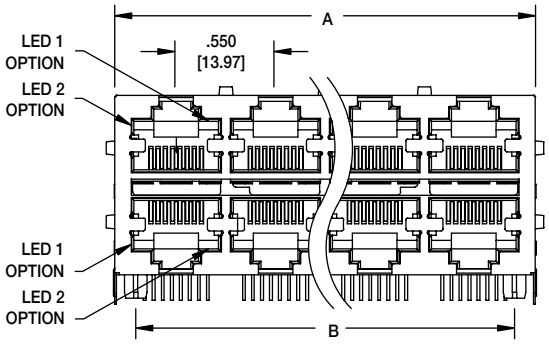


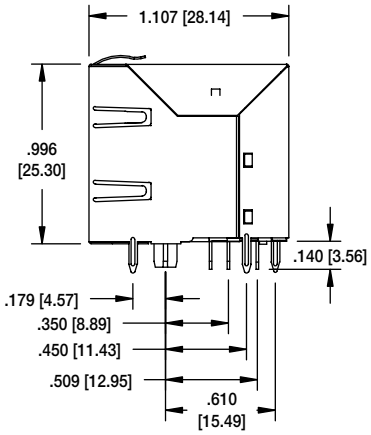
Recommended PCB Layout

A = .550 [13.97] X (NO OF PORTS -1) + .679 [17.27]
B = .550 [13.97] X (NO OF PORTS -1) + .450 [11.43]

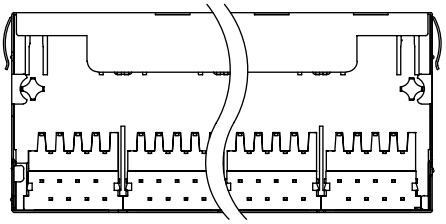
AVAILABLE WITH MAGNETIC TRANSFORMERS: M1, M3, M4, M5, M6, M7, M9, M10, M11, M12 & M13. See pgs. 44-45

TYPE J
STACKED

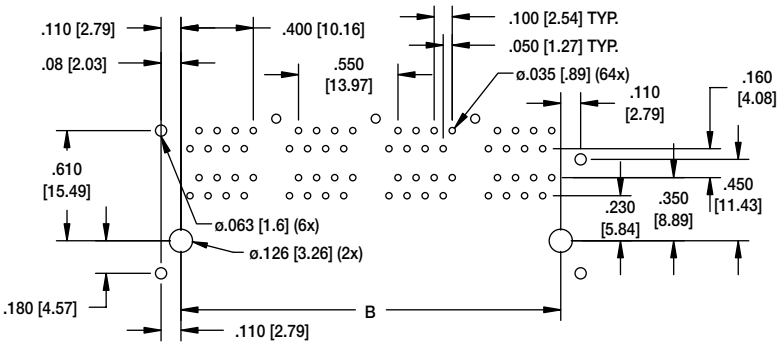




DIMENSIONS		
PORTS	A	B
2 X 1	.677 [17.20]	.450 [11.43]
2 X 2	1.227 [31.17]	1.00 [25.40]
2 X 4	2.331 [59.22]	2.100 [53.34]
2 X 5	2.876 [73.07]	2.650 [67.31]
2 X 6	3.426 [87.04]	3.200 [81.28]
2 X 8	4.527 [115.00]	4.300 [109.22]



MTJG-8-88JX1-FSE-LD-M1
Drawing shown with metal shield, panel ground tabs & LEDs.



Recommended PCB Layout

AVAILABLE WITH MAGNETIC TRANSFORMERS: M1, M3, M4, M5, M6, M7, M9, M10, M11, M12 & M13. See pgs. 44-45