

# INTEGRATED CONNECTOR MODULES

## 08B1-1X1T-06-F 10/100Base-TX Single Port MagJack®



### ELECTRICAL CHARACTERISTICS @ 25°C

#### TURNS RATIO

TX	1CT : 1
RX	1CT : 1

#### DCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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#### INS. LOSS

1MHz TO 100MHz	-1.0 dB MAX
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#### RET. LOSS (MIN)

1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB

#### CROSS TALK (TX - RX)

500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN

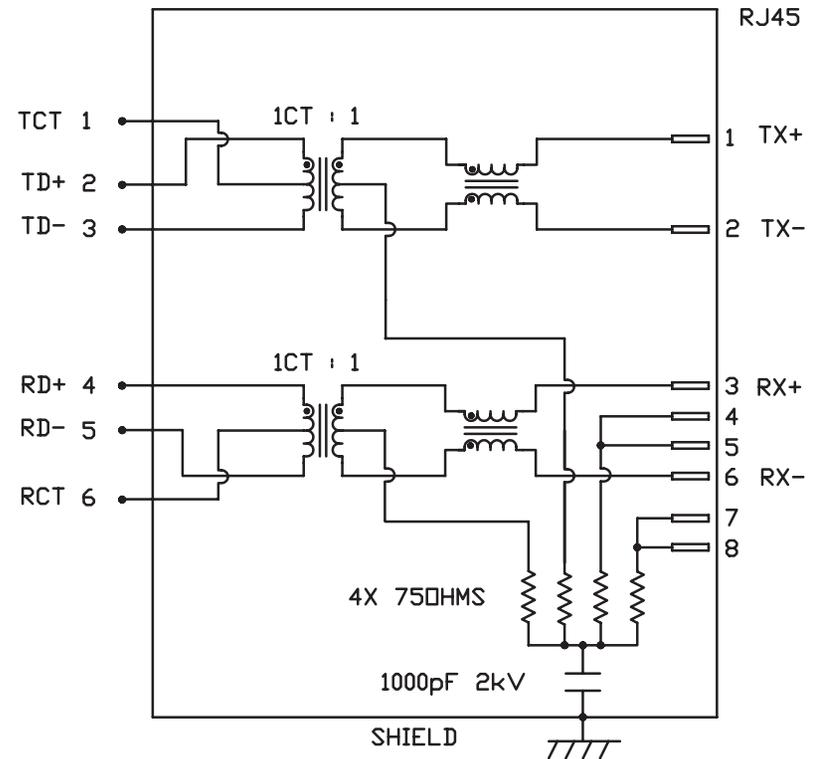
#### CM TO CM REJ

100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN

#### CM TO DM REJ

100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
100 MHz	-40 dB MIN

HIPOT (Isolation Voltage):	1500 Vrms
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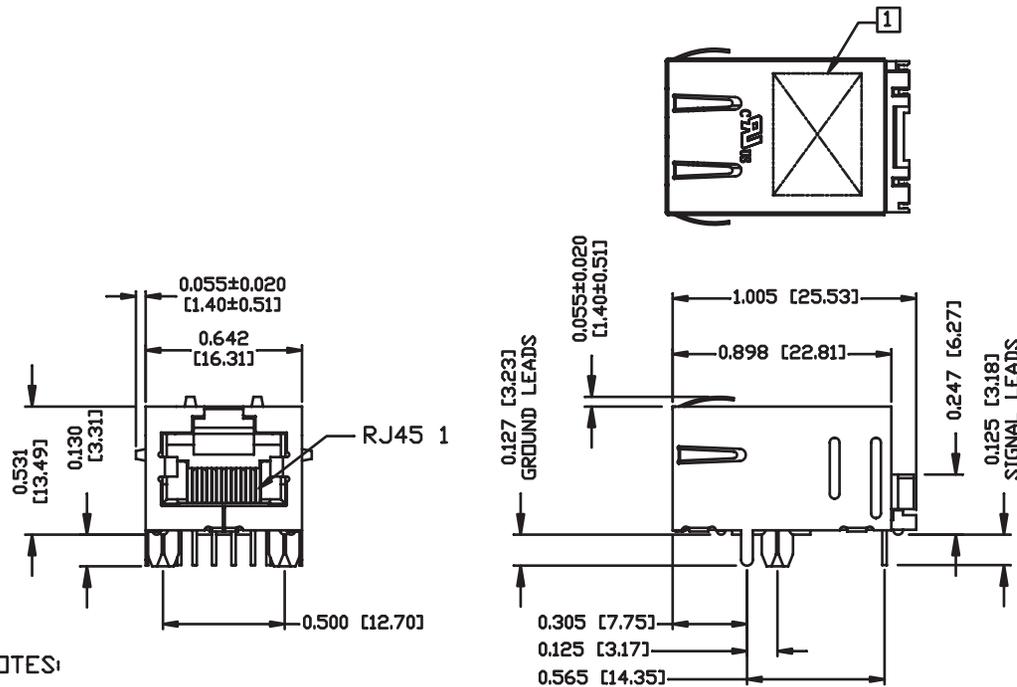


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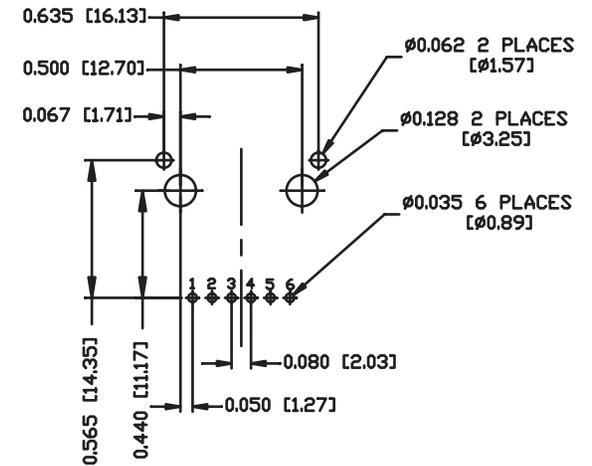
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### MECHANICAL SPECIFICATION



### RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



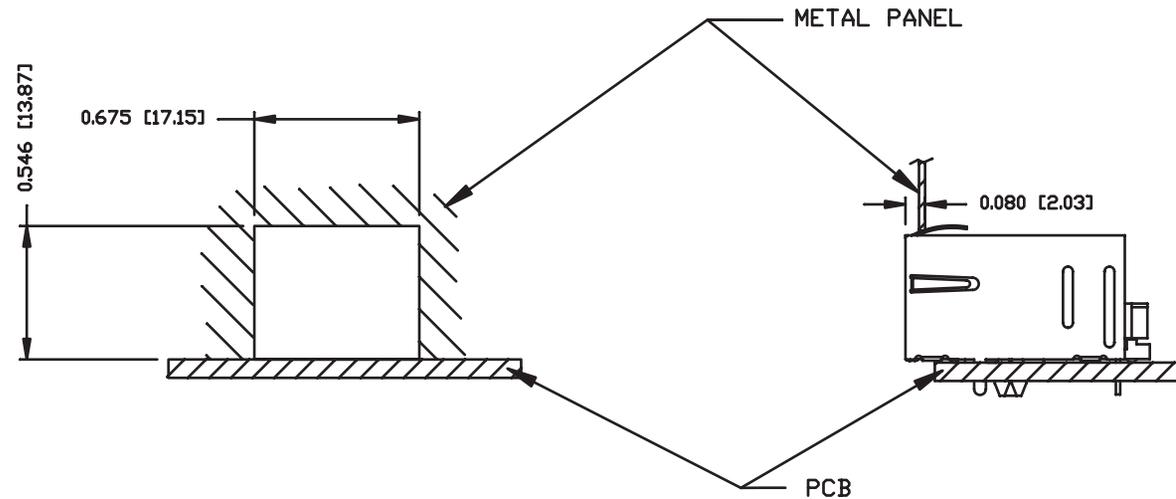
#### NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)
- ☐ MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
- c UL RECOGNIZED - FILE #E196366 AND E169987.
- 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

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SUGGESTED PANEL OPENING



NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY. PACKING INFORMATION.

PACKING TRAY : 0200-9999-D4(TOP)

0200-9999-D5(BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)