

INTEGRATED CONNECTOR MODULES

S811-1X1T-06-F 10/100Base-TX AutoMDIX MagJack®



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX

1CT : 1

RX

1CT : 1

QCL @ 100kHz/100mVRMS

8mA DC BIAS

350μH MIN.

INS. LOSS

1MHz TO 100MHz

-1.0 dB MAX

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

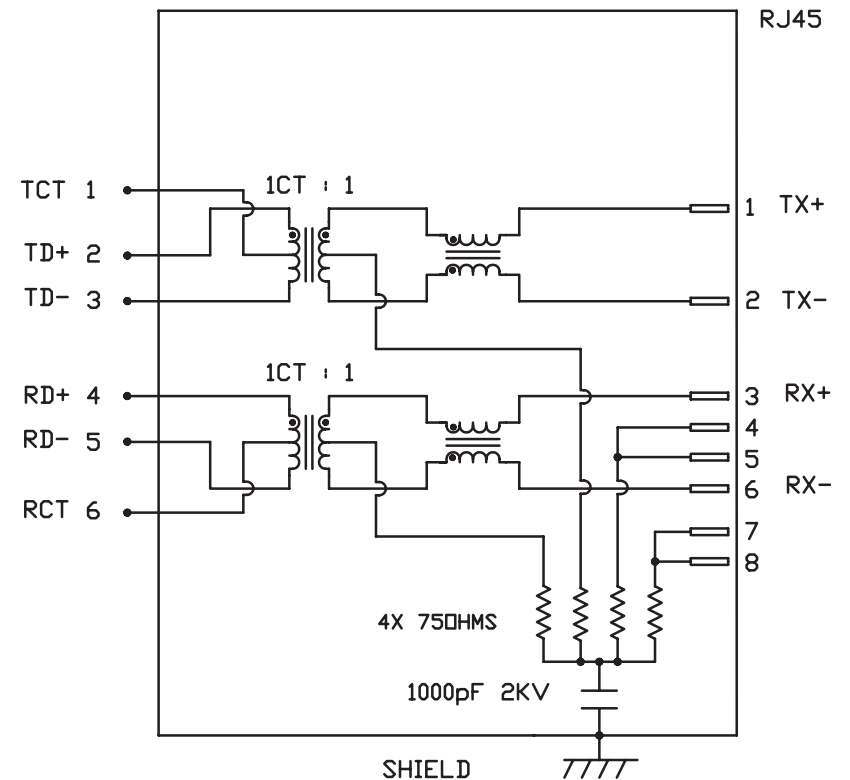
-45 dB MIN

100 MHz

-40 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

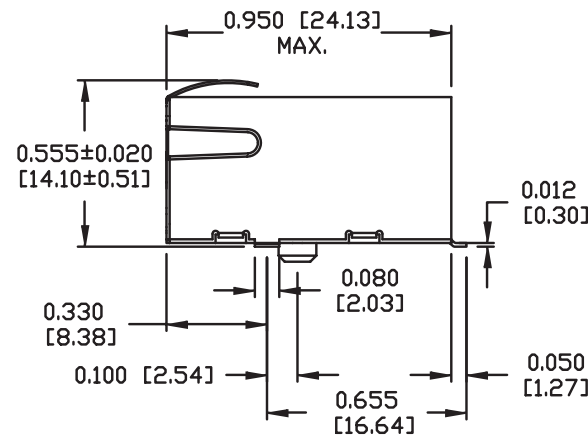
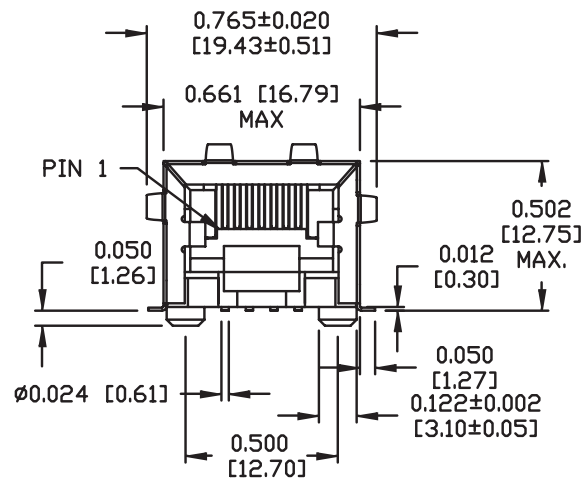
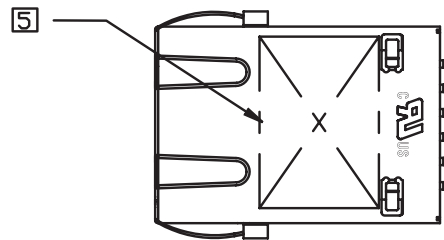


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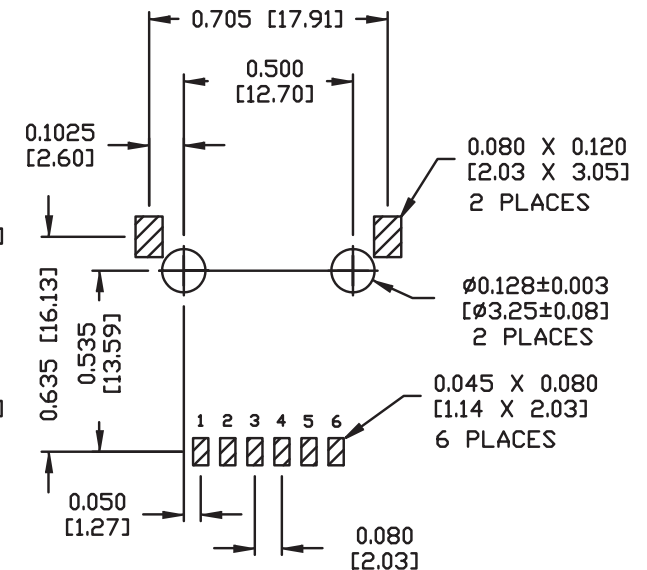
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MECHANICAL SPECIFICATION



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES:

1. PLASTIC HOUSING: THERMOPLASTIC PA 4/6 & THERMOSET PHENOLIC.
FLAMMABILITY RATING UL 94V-0
2. CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
3. PINS: TIN-COATED COPPER WIRE, 0.024 [0.6] X 0.012 [0.3] THK,
4. METAL SHIELD: NICKEL PLATED COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

5 MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.



UL RECOGNIZED - FILE #E196366 AND E169987.

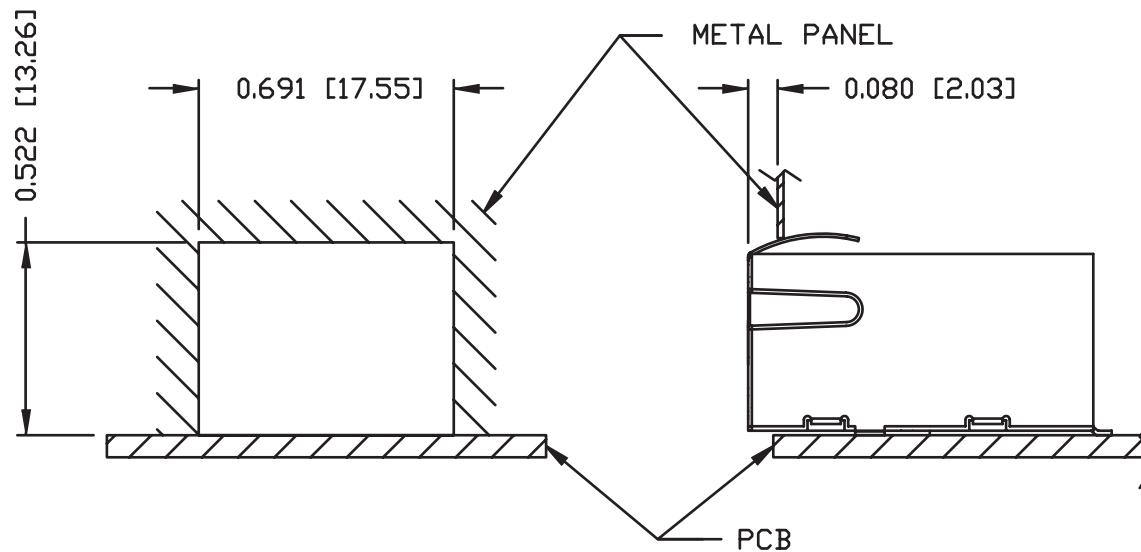
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC

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SUGGESTED PANEL OPENING



NOTES:

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.