



# INTEGRATED CONNECTOR MODULES

## 0816-1X2T-23 Gigabit Ethernet MagJack® 1 x 2



### ELECTRICAL CHARACTERISTICS @ 25°C

#### TURNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

#### DCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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#### INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

#### RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

#### CM TO CM REJ

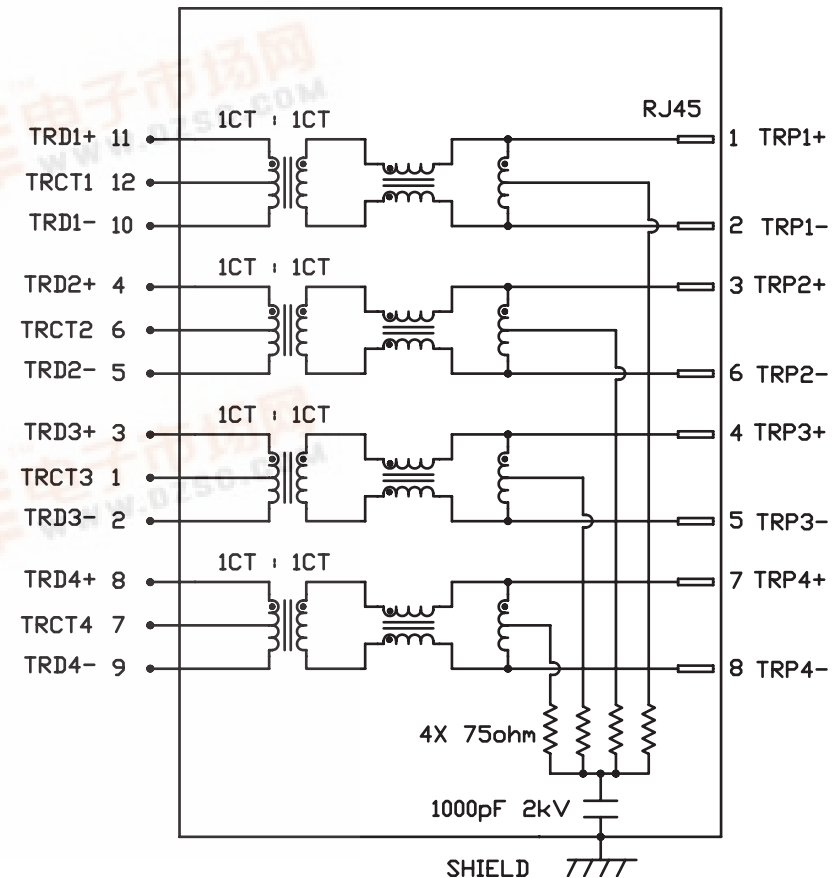
100kHz - 100MHz	-30 dB MIN
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#### CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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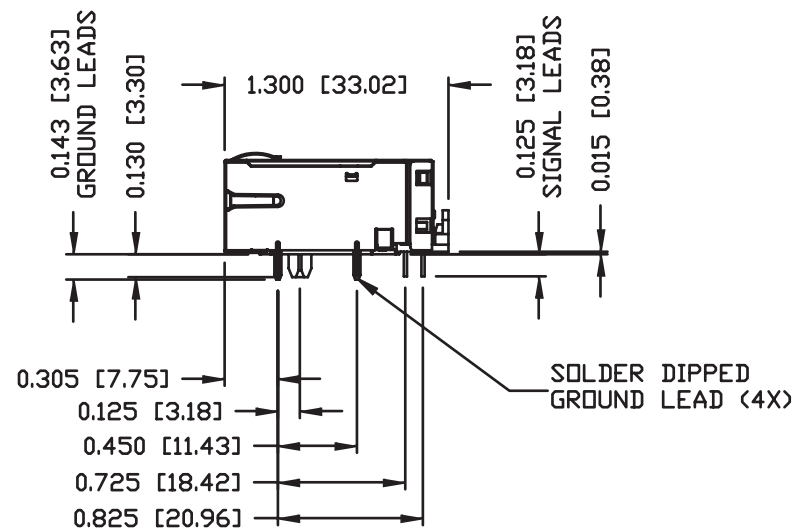
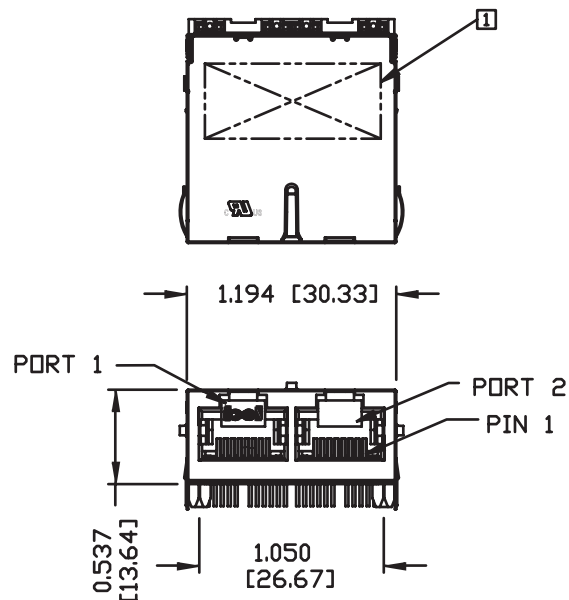
#### HIPDT (Isolation Voltage)

1500 Vrms
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**NOTES:**

- PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 30 MICRO-INCH HARD GOLD PLATING
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)

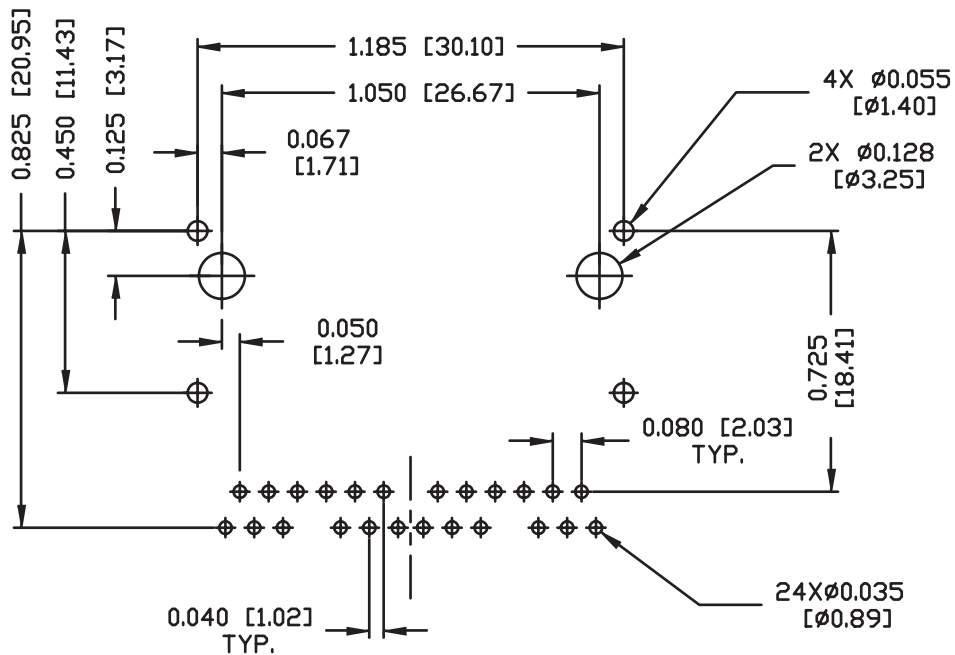
☐ MARK PART WITH MFG LOGO, PART NUMBER, DATE CODE AND MFG NAME.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

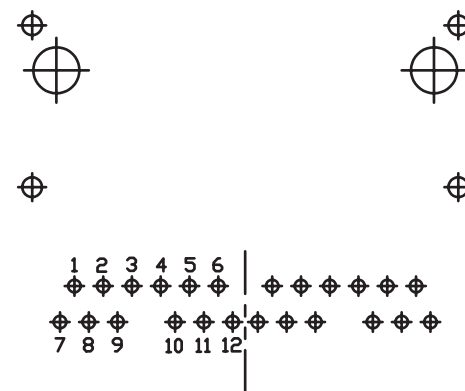
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC

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RECOMMENDED PCB FOOTPRINT  
 COMPONENT SIDE VIEW



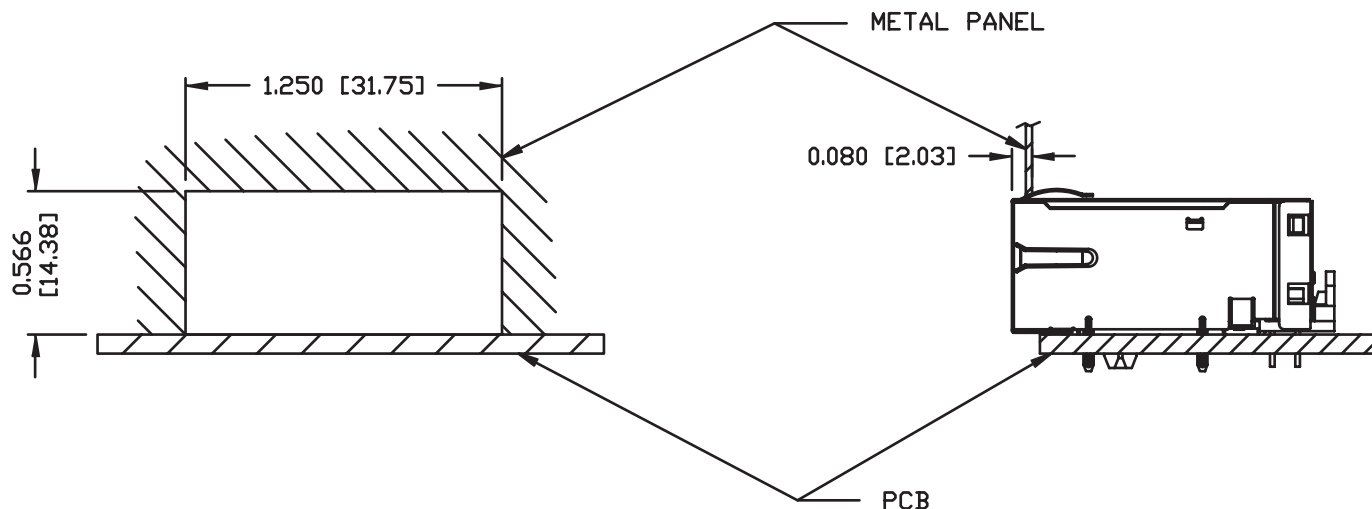
PORT ASSIGNMENT  
 (COMPONENT SIDE VIEW)

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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.

#### PACKING INFORMATION

PACKING TRAY: 0200-9999-I1 (TOP)  
0200-9999-I2 (BOTTOM)

PACKING QUANTITY: 49 PCS FINISHED GOODS PER TRAY  
8 TRAYS (392 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.  
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)