



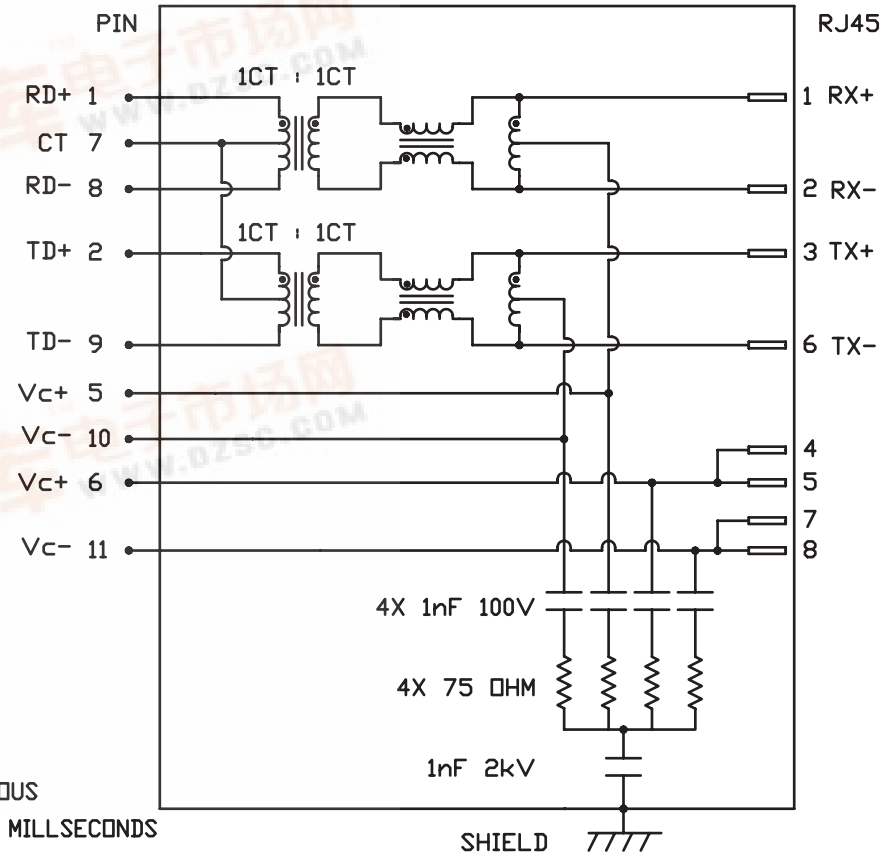
# INTEGRATED CONNECTOR MODULES

0813-1X4T-57-F Power over Ethernet MagJack® 1 x 4



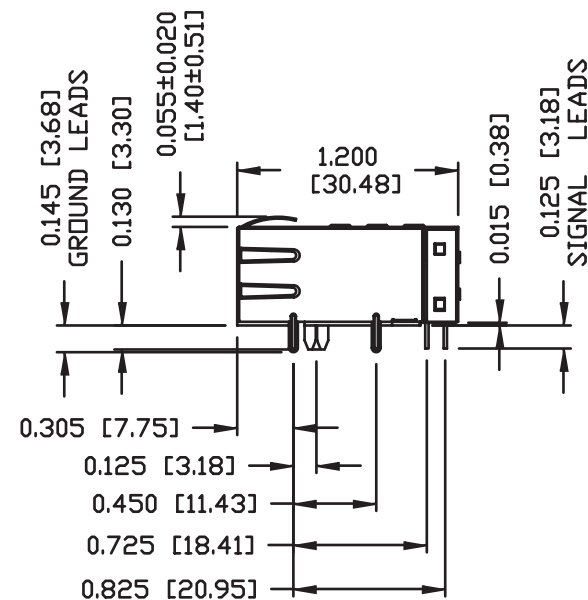
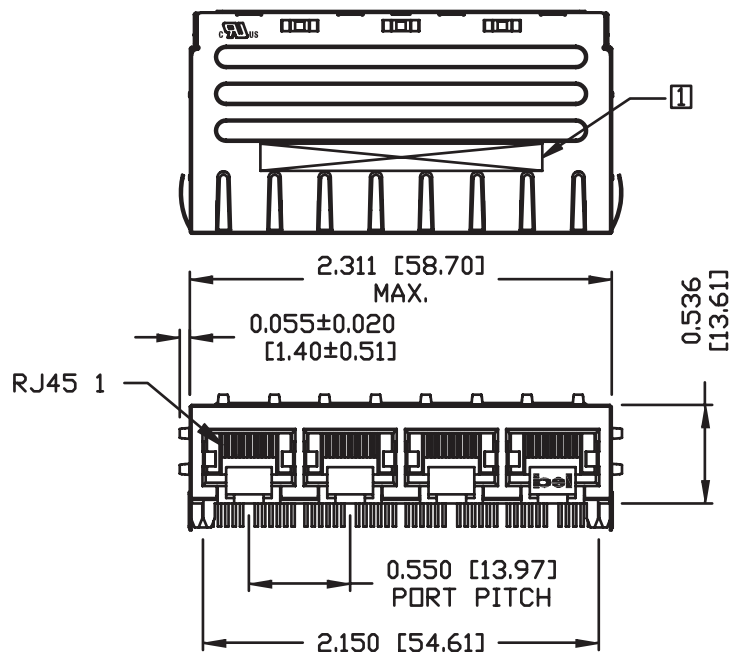
## ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO	1CT : 1CT ±2%
DCL @ 100kHz/100mVRMS 8mA DC BIAS	350µH MIN.
INSERTION LOSS 100kHz TO 100MHz	-1.5 dB MAX.
RETURN LOSS (MIN.) 2MHz-30MHz 60MHz-80MHz	16 dB MIN. 10 dB MIN.
LEAKAGE INDUCTANCE PRIMARY W/ SECONDARY SHORTED	0.25µH MAX. @ 1MHz
D.C. RESISTANCE (1-8)=(2-9) (RJ1-RJ2)=(RJ3-RJ6)	1.40 OHM MAX. 1.0 OHM MAX.
INTERWINDING CAPACITANCE PER CHANNEL (PRI. to SEC.)	40 pF MAX.
CROSS TALK 100kHz - 100MHz	-30 dB MIN.
BALANCED DC LINE CURRENT	350mA MAX. @ 57 VDC CONTINUOUS 500mA MAX. @ 57 VDC FOR 200 MILLSECONDS
HIPOT (ISOLATION VOLTAGE)	2250 VDC



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**NOTES:**

- PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)

[1] MARK PART WITH MFG. LOGO; MFG. NAME; PART NUMBER; DATE CODE.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

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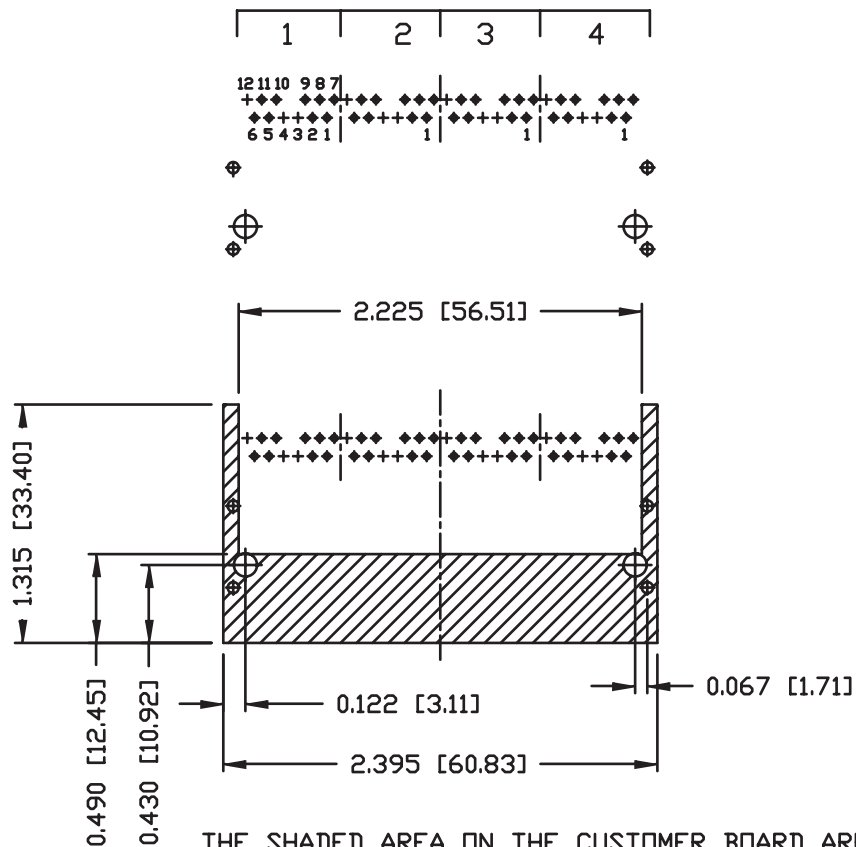
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PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

12	NO PIN
11	VC-
10	VC-
9	TD-
8	RD-
7	CT
6	VC+
5	VC+
4	NO PIN
3	NO PIN
2	TD+
1	RD+

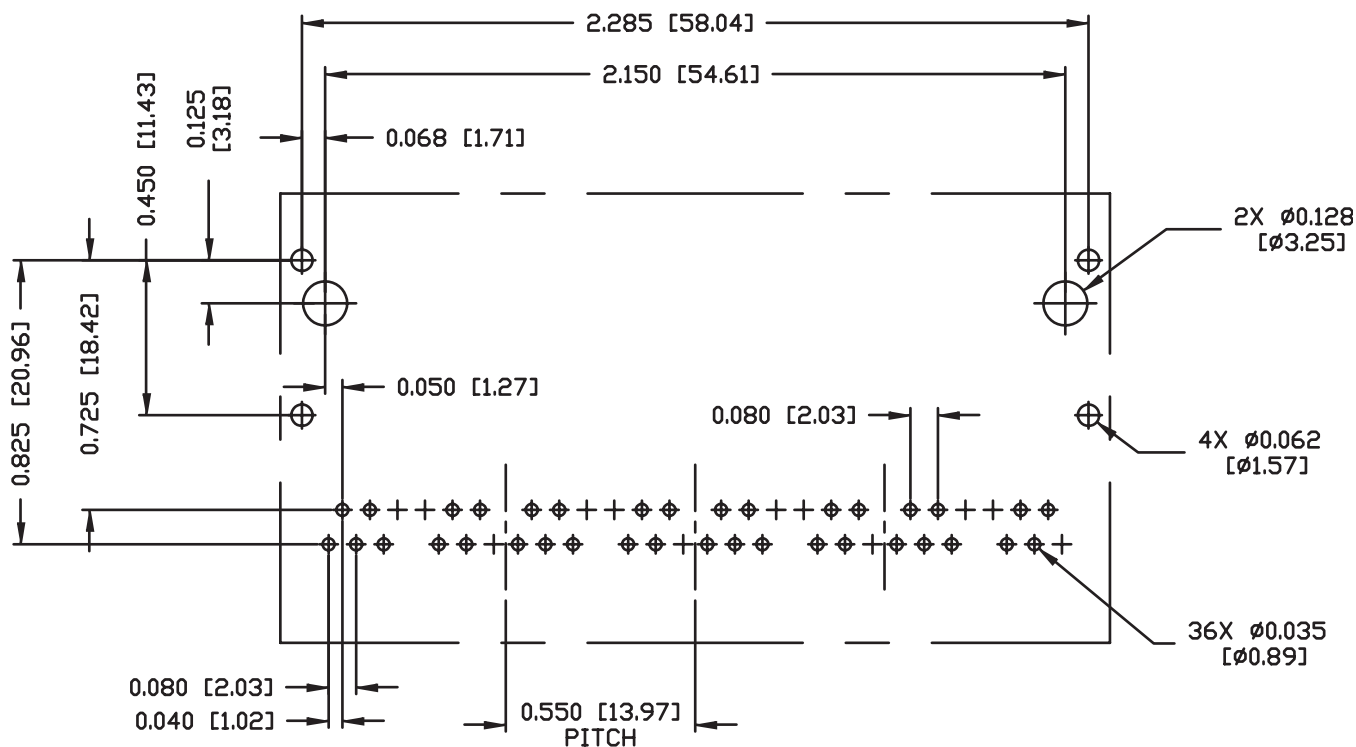
PIN AND PORT ASSIGNMENT  
(COMPONENT SIDE VIEW)



THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

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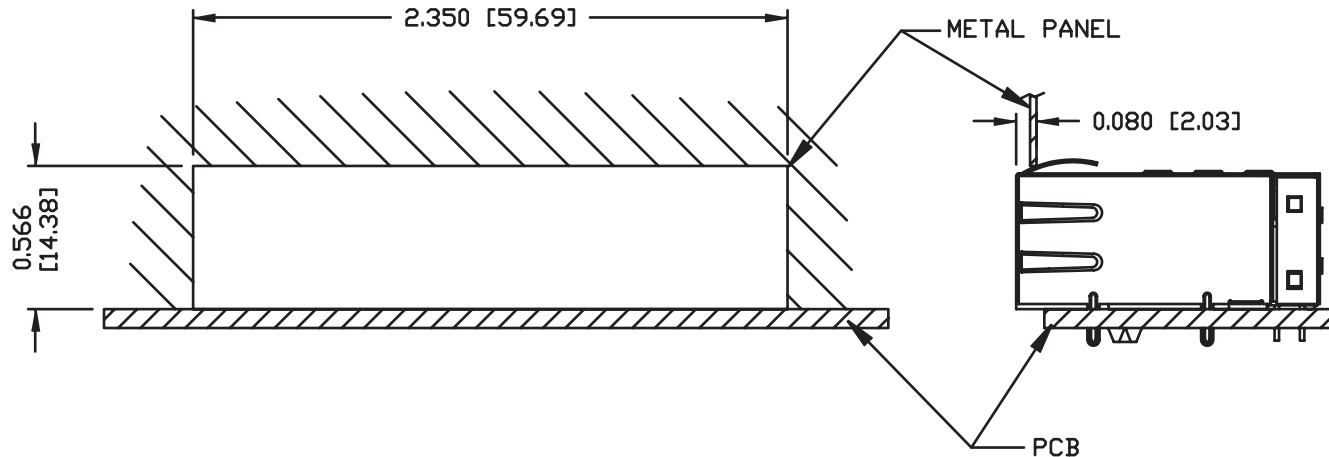
RECOMMENDED PCB FOOTPRINT  
(COMPONENT SIDE VIEW)

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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: 0200-0148-37 (TOP)

0200-0148-38 (BOTTOM)

PACKING QUANTITY: 20 PCS FINISHED GOODS PER TRAY

8 TRAYS (160 PCS FINISHED GOODS) PER CARTON BOX

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