

# INTEGRATED CONNECTOR MODULES

0854-2X6R-66-F Power over Ethernet MagJack® 2 x 6



## ELECTRICAL CHARACTERISTICS @ 25°C

### TURNS RATIO

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

QCL @ 100kHz/100mVRMS 350µH MIN.  
8mA DC BIAS (0°C - 70°C)

### 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) @ 100OHMS ±15%

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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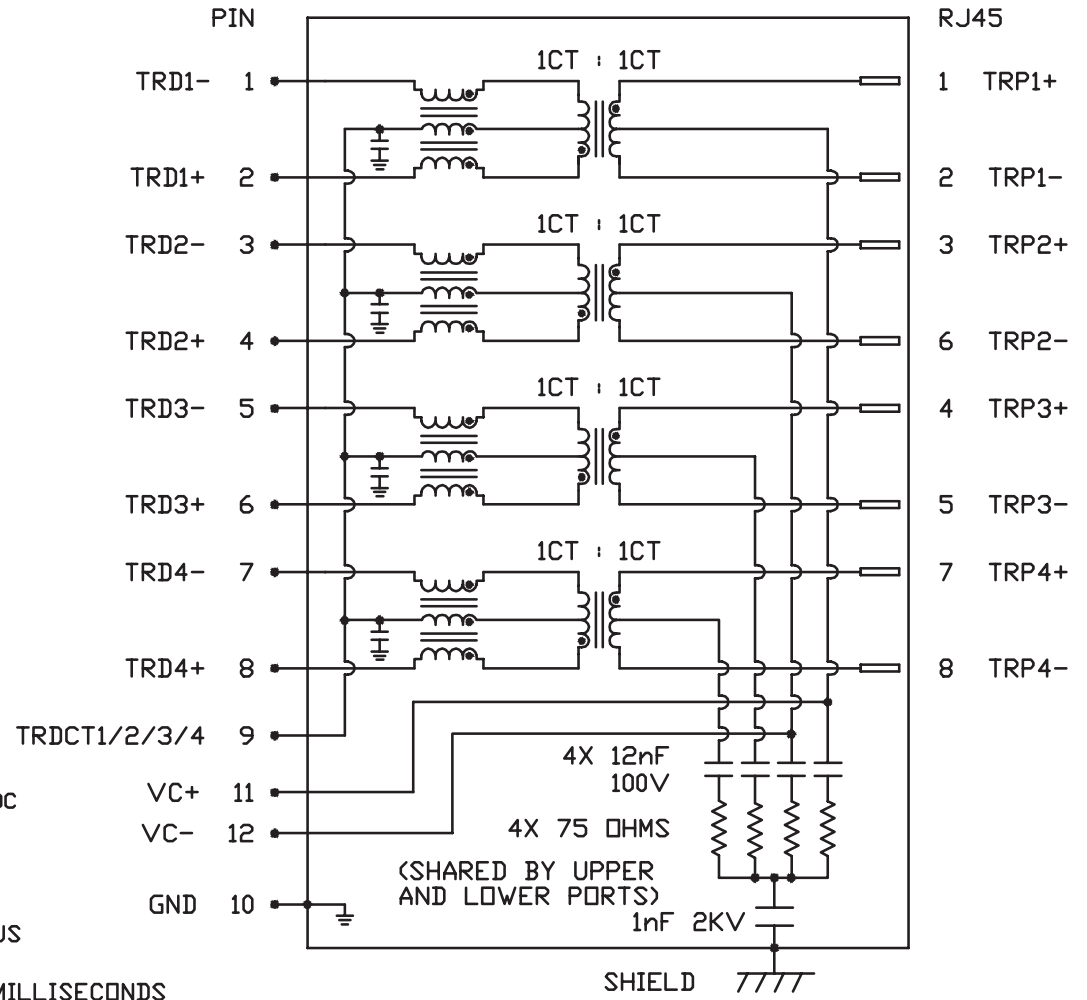
### CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms or 2250 VDC

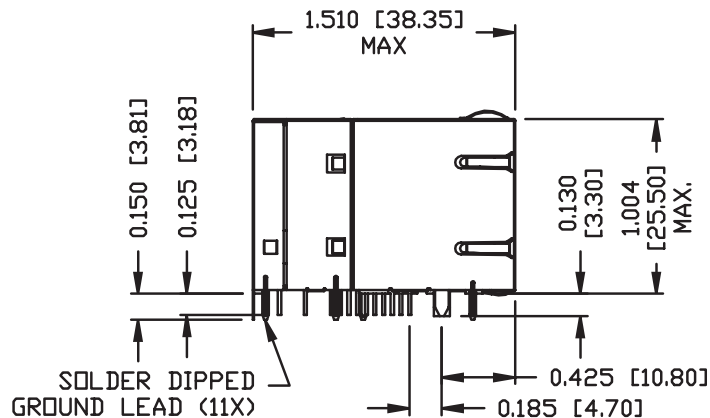
100% OF PRODUCT TESTED IN PRODUCTION  
TO COMPLY WITH IEEE 802.3 REQUIREMENTS

BALANCED DC LINE CURRENT 350 mA MAX.  
@ 57 VDC CONTINUOUS  
500 mA MAX.  
@ 57 VDC for 200 MILLISECONDS



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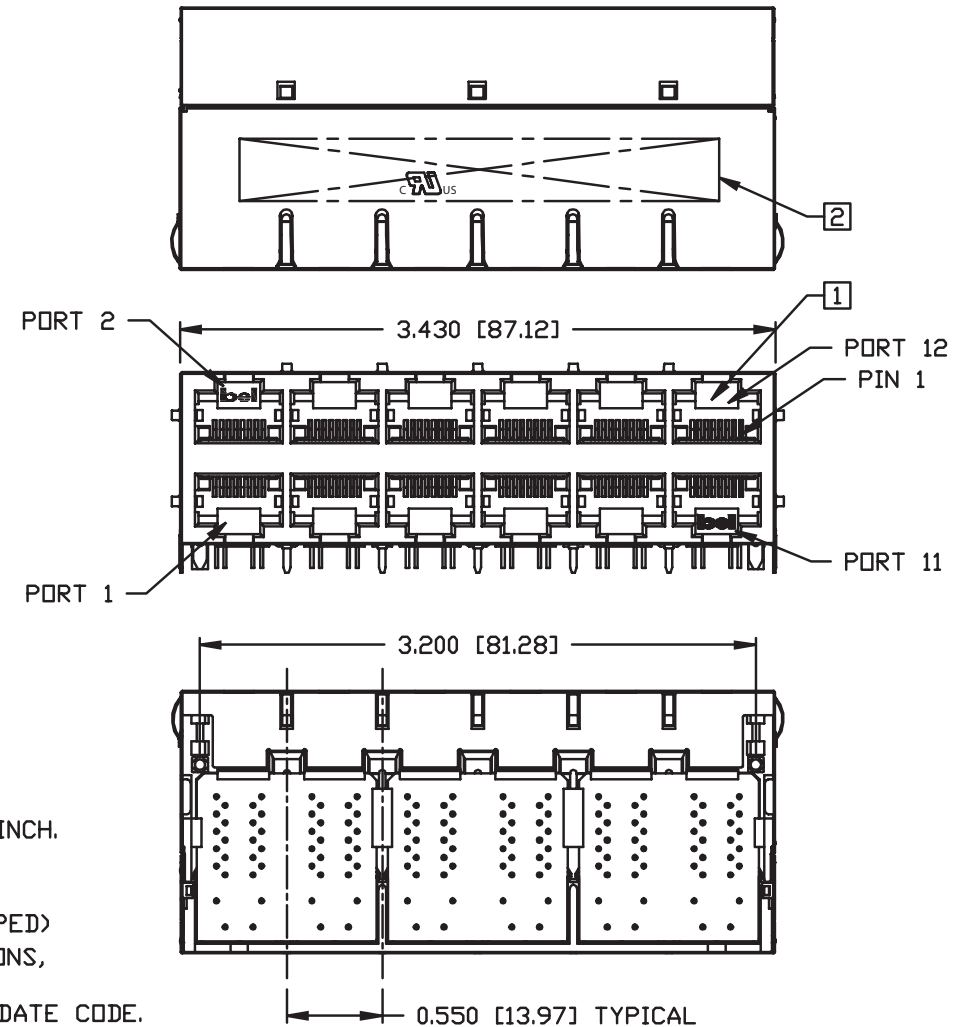


**NOTES:**

- PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0
- CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- SOLDERABILITY: PER MIL STD. 202, METHOD 208.
- METAL SHIELD: NICKEL PLATED COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)

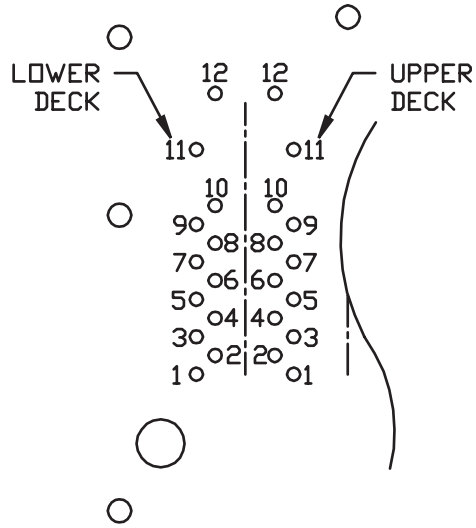
- 1 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- 2 MARK PART WITH MFG LOGO, NAME, PART NUMBER AND DATE CODE.
- 3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL RECOGNIZED - FILE #E196366 AND E169987.



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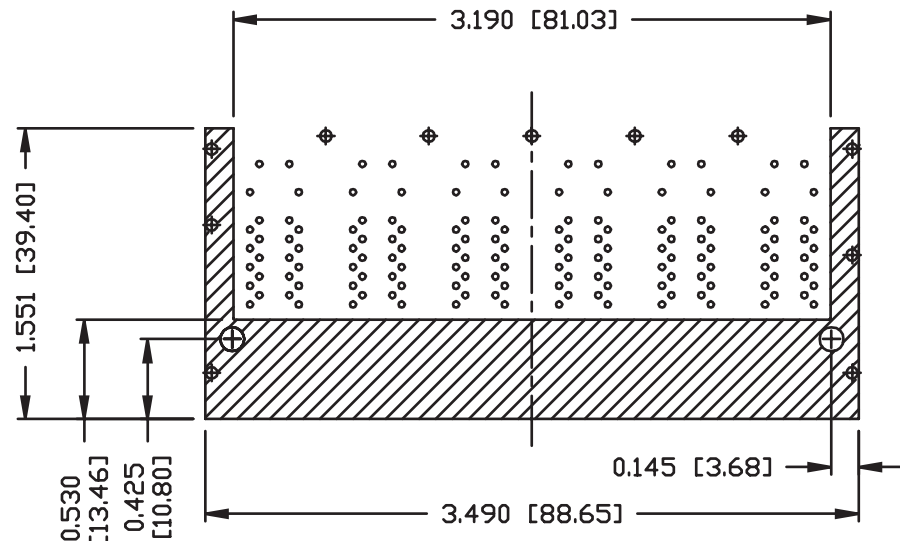
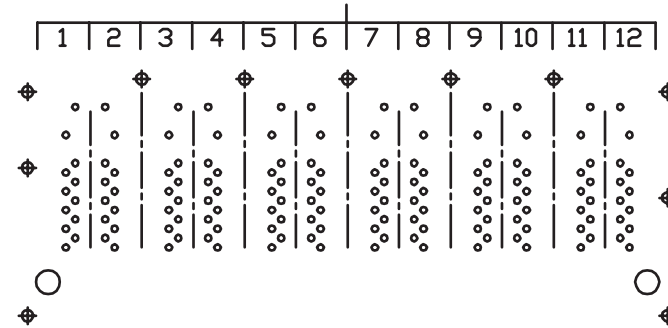
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PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

12	VC-
11	VC+
10	GND
9	TRCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

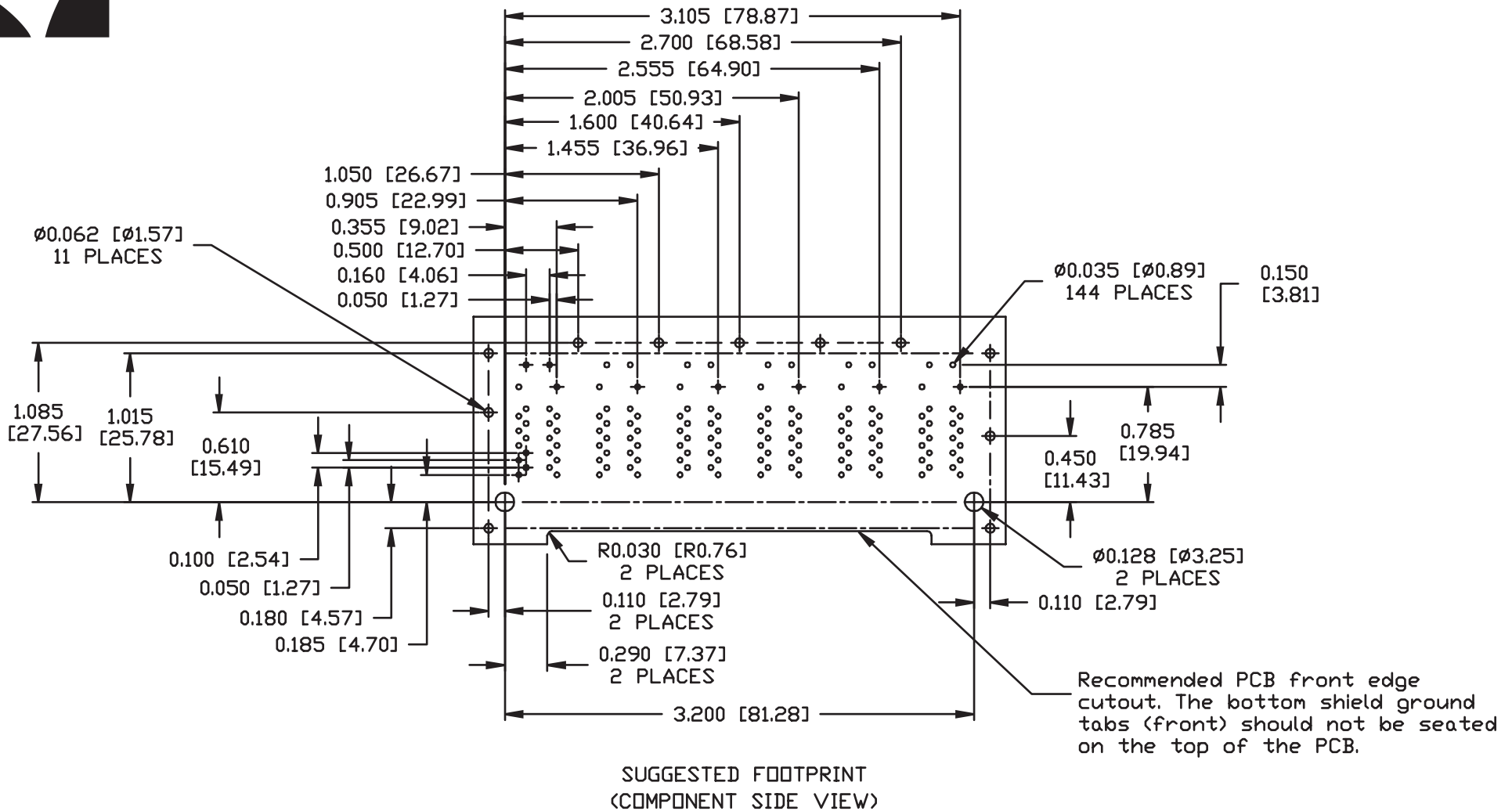
PORT ASSIGNMENT  
(COMPONENT SIDE VIEW)



THE SHADED AREA OF BOTTOM SIDE OF PART  
MAY BE COVERED BY METAL SHIELD.

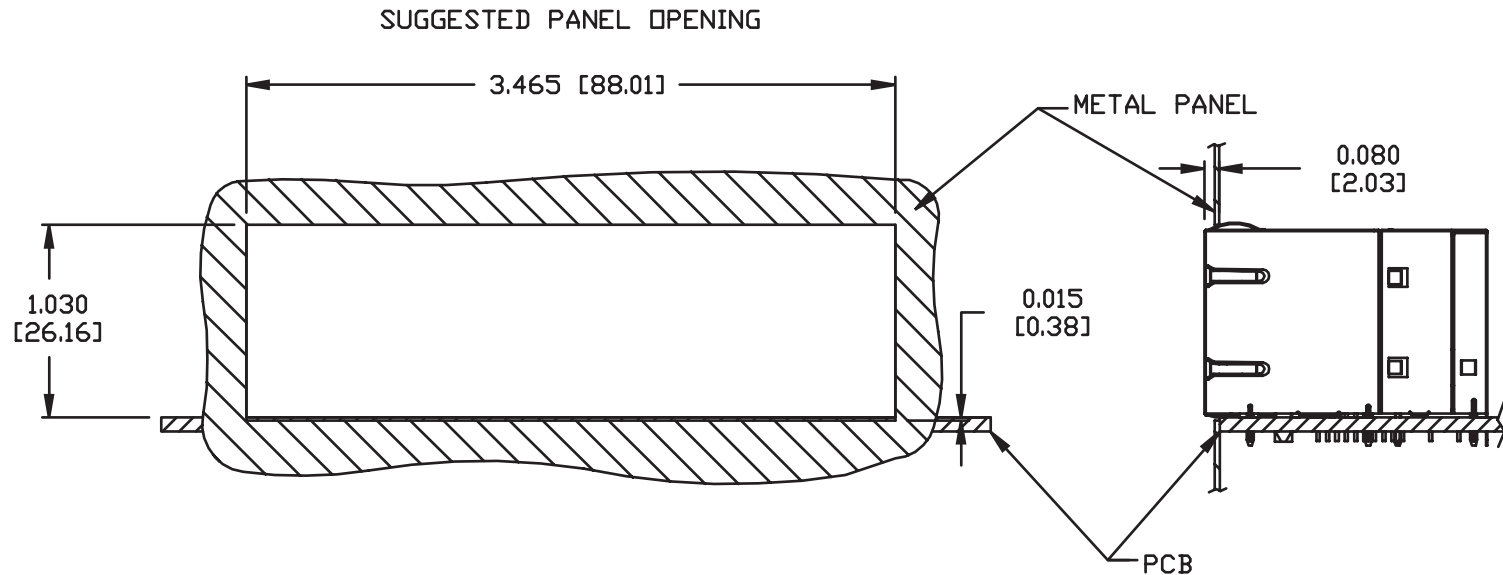
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**NOTE:**

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.