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RoHS



SCHEMATIC

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

QCL @ 100kHz/100mVRMS

8mA DC BIAS                      350µH MIN.

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

CM TO DM REJ

100kHz - 100MHz                      -35 dB MIN

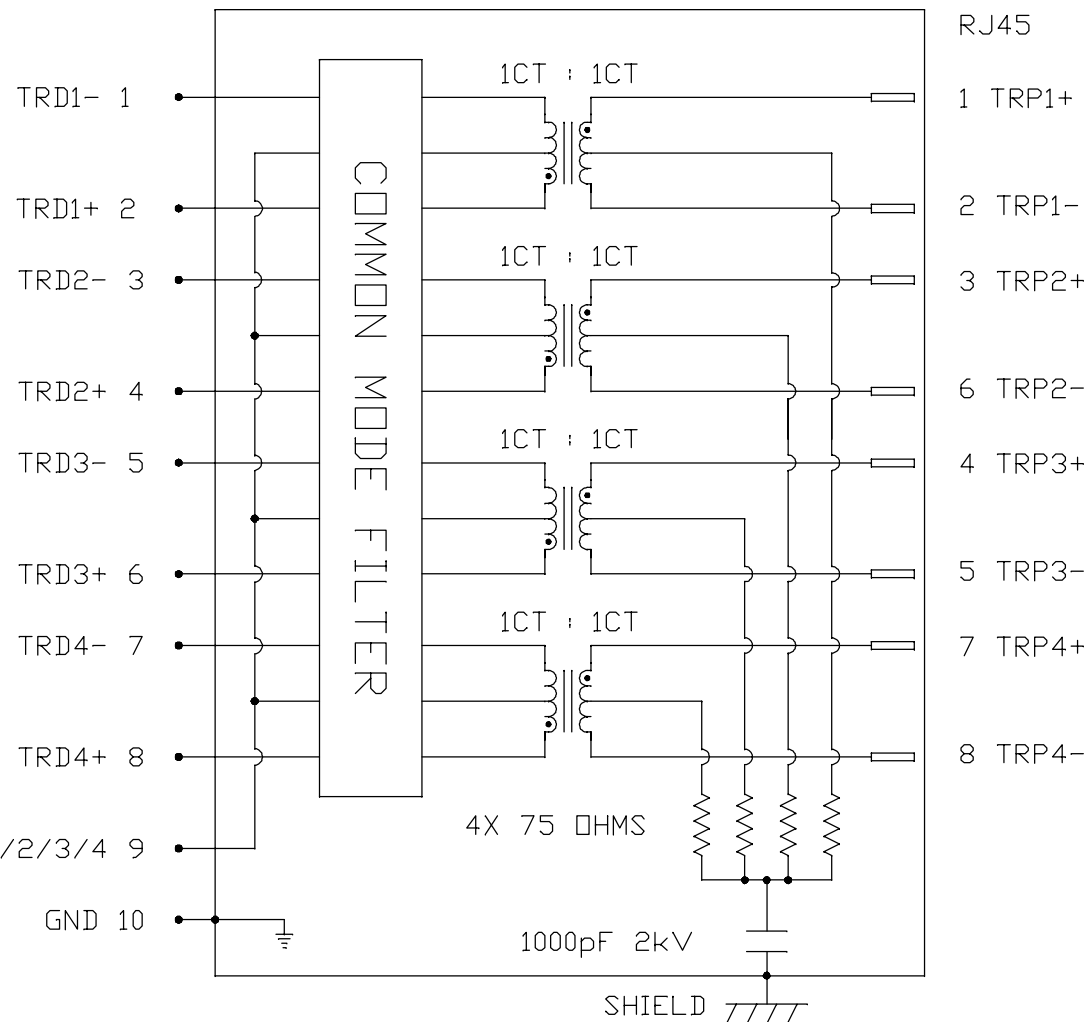
HIPOT (Isolation Voltage):

1500 Vrms or 2250VDC

GND 10

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: 0°C TO +70°C.



REV. : C                      PAGE : 2

ORIGINATED BY  
CHOW WANCHUNG  
DATE 2016-11-07  
  
DRAWN BY  
LI LINFENG  
DATE 2016-11-07

TITLE  
2X6 gigabit MagJack®  
(8 Cores)  
0833-2X6R-54-F  
PATENTED

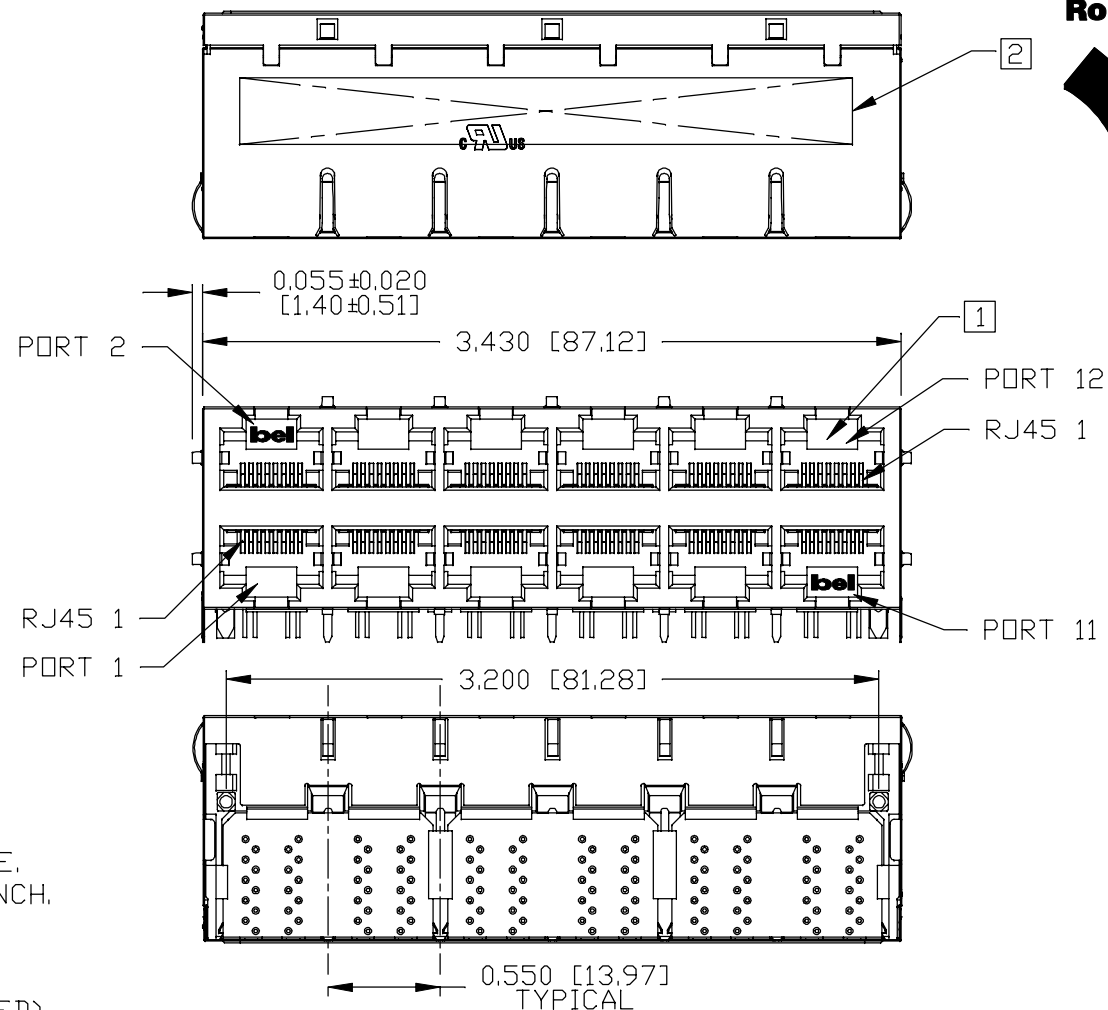
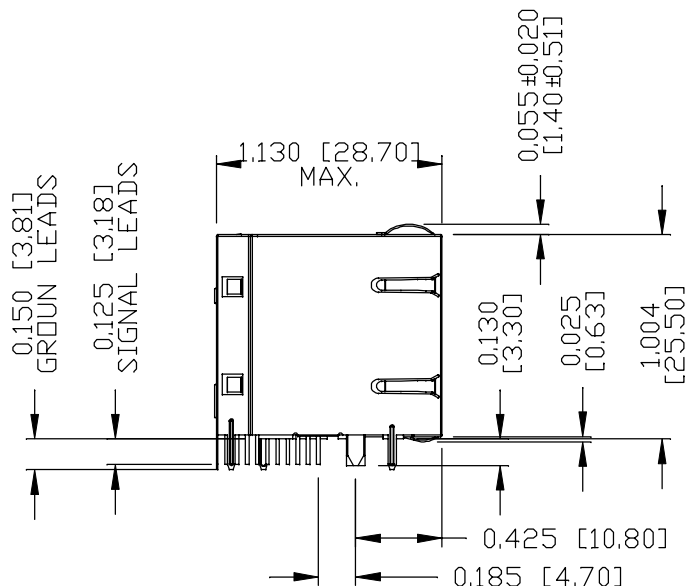
PART NO. / DRAWING NO.  
08332X6R54-F  
  
FILE NAME  
08332X6R54-F\_C.DWG

STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	SIZE : A4



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NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK  
FLAMMABILITY RATING UL 94V-0
- CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING  
OR EQUIVALENT.  
30 MICRO-INCH MIN NICKEL UNDERPLATE.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.  
100 MICRO-INCH MIN MATTE TIN.  
PINS ARE SOLDER DIPPED.
- METAL SHIELD: NICKEL PLATED ON 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, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

- 3. THE PRODUCT IS RoHS COMPLIANT.
- 4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.
- 5. THE PRODUCT IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, AND 10 SECONDS MAX..

**c RU us** UL RECOGNIZED - FILE #E196366 AND E169987.

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LI QUANKUN  
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DRAWN BY  
ZHANG XUEZHENG  
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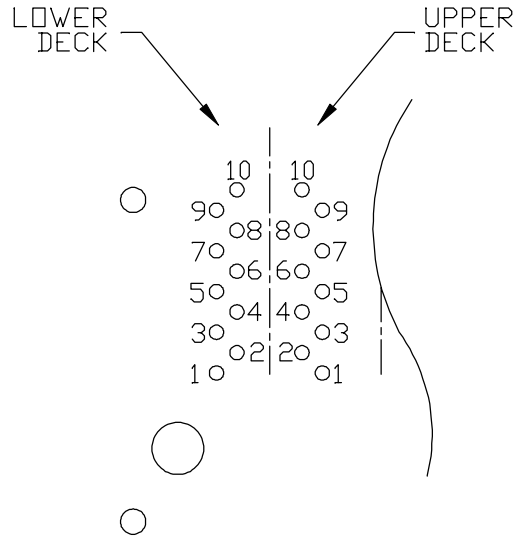
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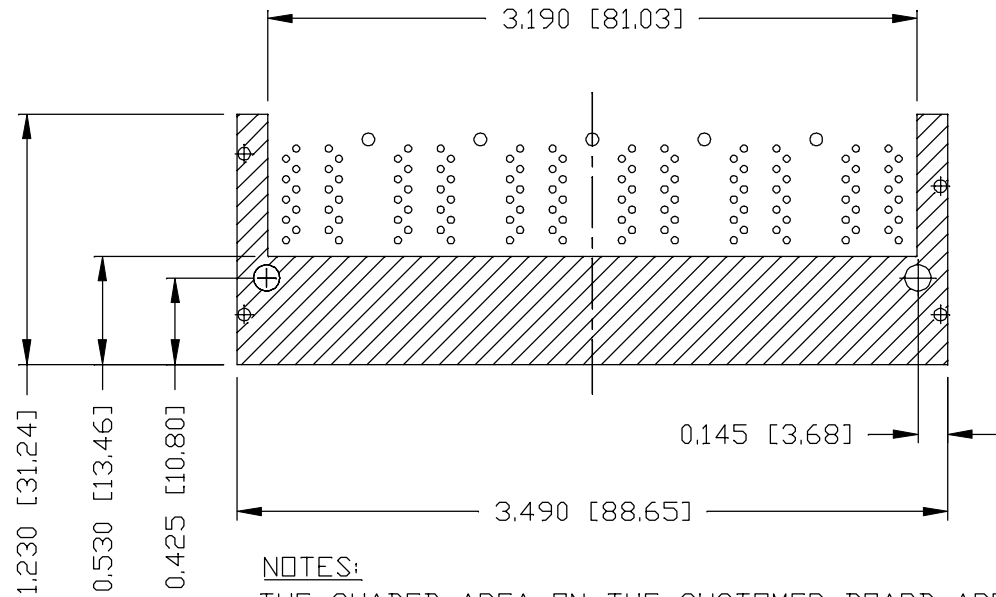
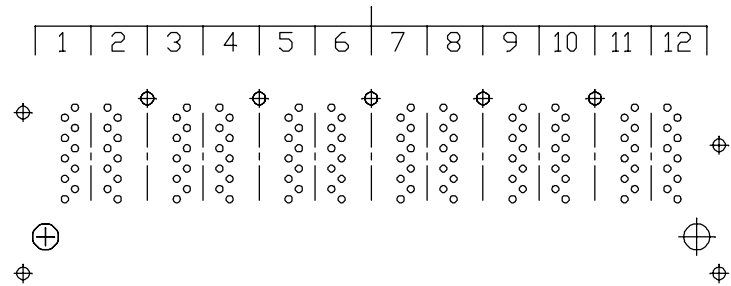
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PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

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)



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

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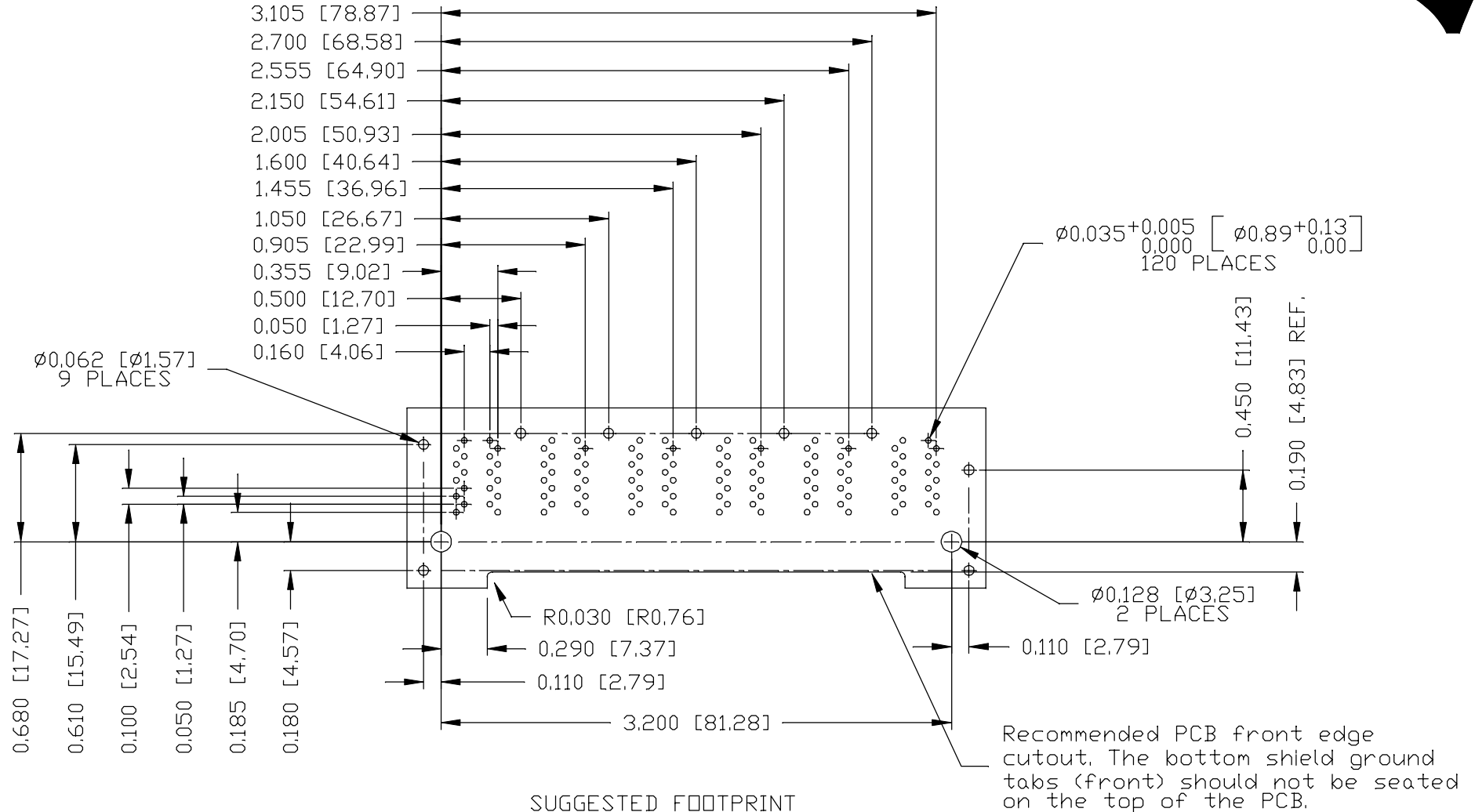
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SUGGESTED FOOTPRINT  
(COMPONENT SIDE VIEW)

Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

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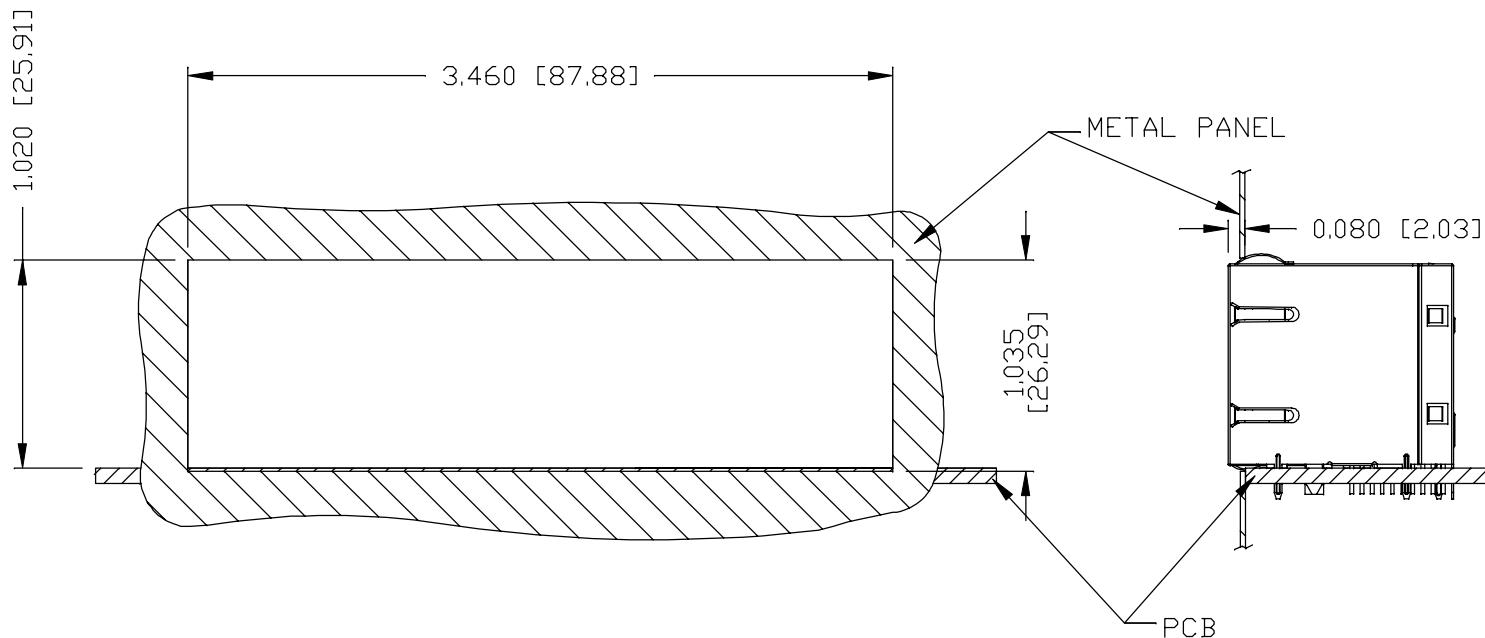


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SUGGESTED PANEL OPENING



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-A9 (TOP)  
0200-9999-A8 (BOTTOM)

PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY  
7 TRAYS (105 PCS FINISHED GOODS) PER CARTON BOX

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

REV. :	C	PAGE :	6
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ORIGINATED BY LI QUANKUN DATE 2016-11-07	TITLE 2X6 gigabit MagJack® (8 Cores) 0833-2X6R-54-F PATENTED	PART NO. / DRAWING NO. 08332X6R54-F	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.
			.X		UNIT : INCH [mm]
DRAWN BY ZHANG XUEZHENG DATE 2016-11-07		FILE NAME 08332X6R54-F_C.DWG	.XX		SCALE : N/A
			.XXX	±0.004	SIZE : A4

