



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

QCL @ 100kHz/100mVRMS

8mA DC BIAS	350 μ H 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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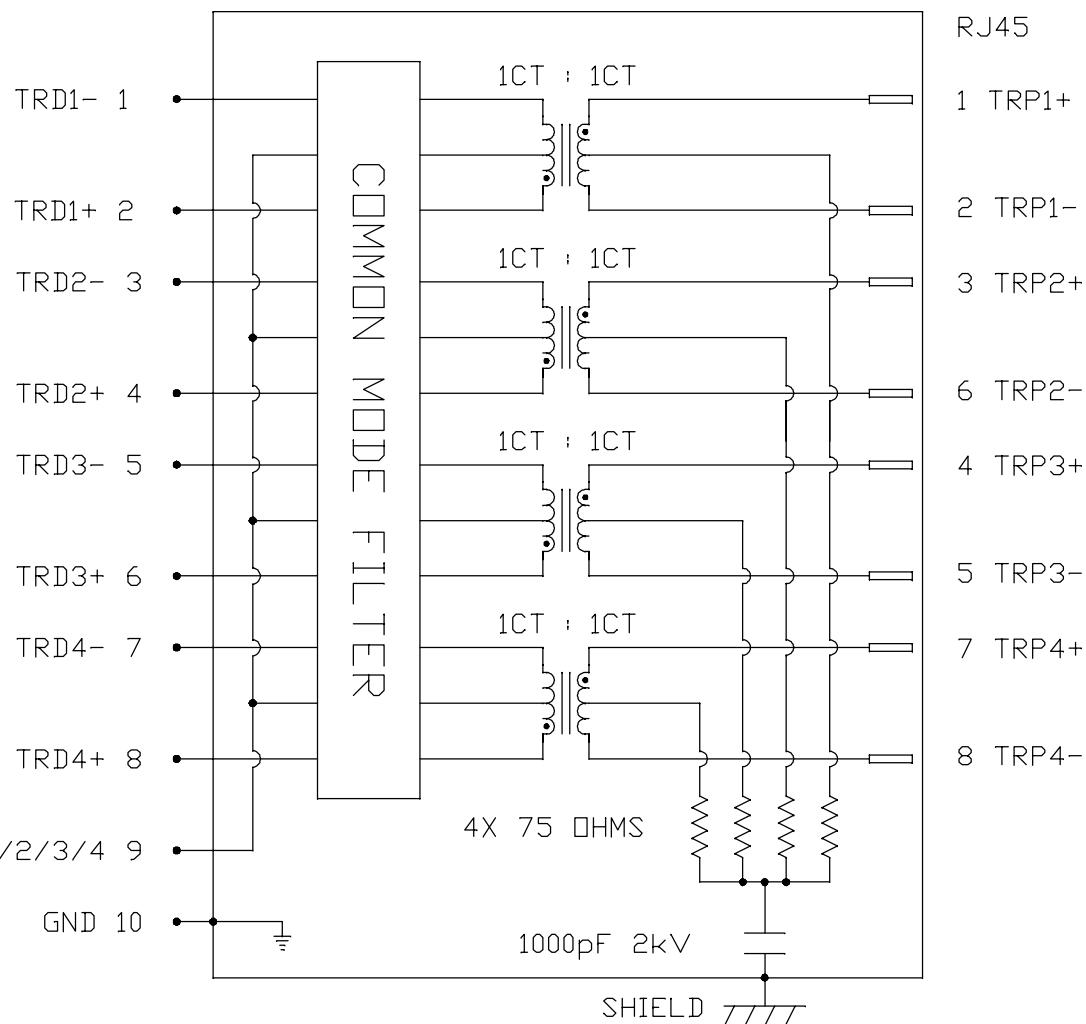
HIPOT (Isolation Voltage):

1500 Vrms or 2250VDC	GND 10
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100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: 0°C TO +70°C.

SCHEMATIC



RJ45

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

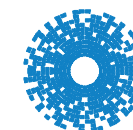
08332X6R54-F_C.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

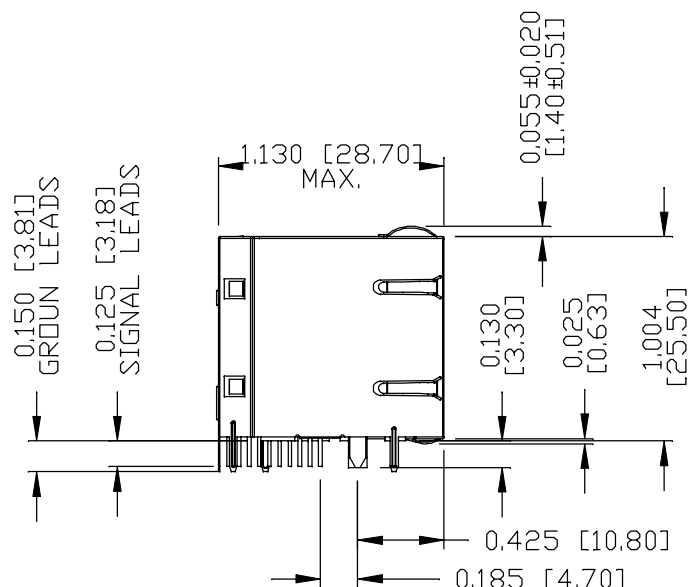
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



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SOLUTIONS
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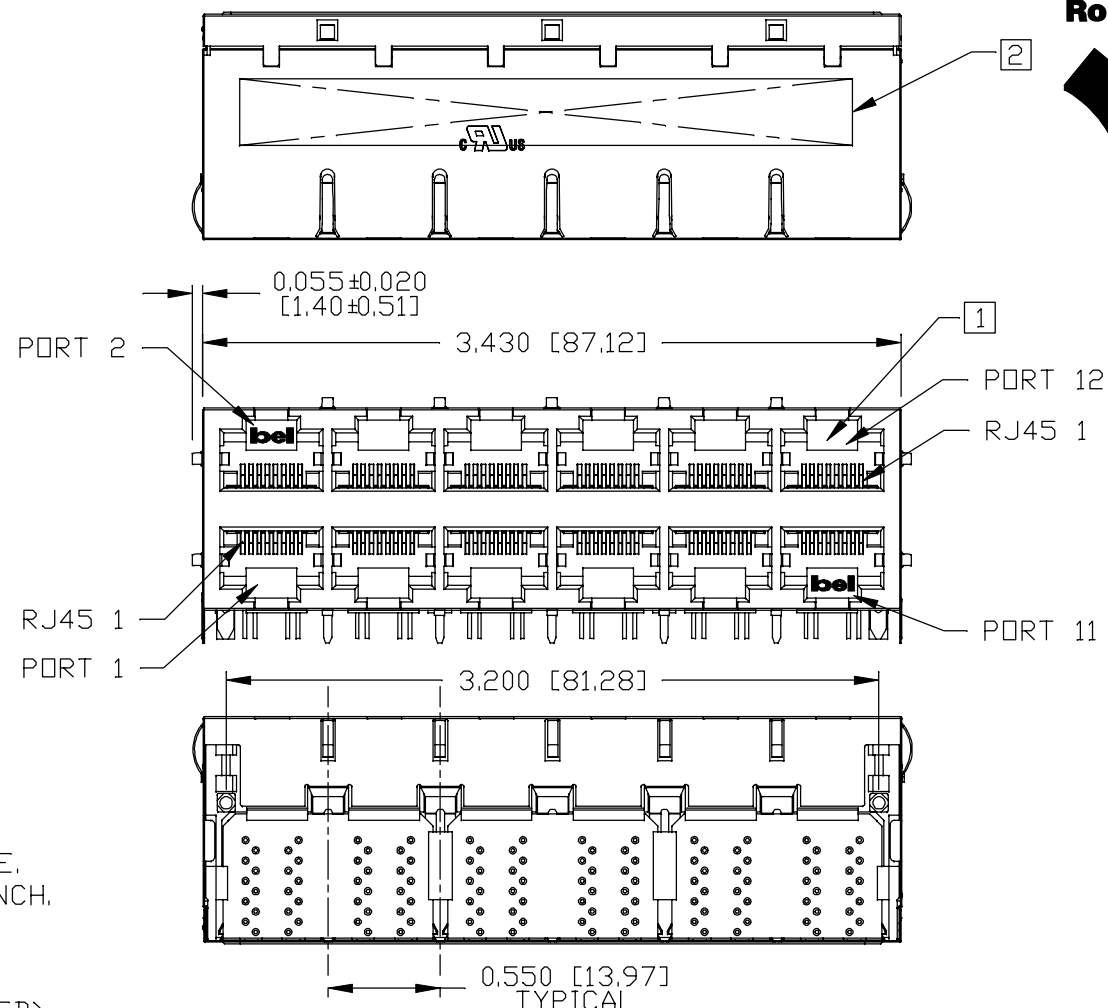
NOTES:

- 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)

- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.



UL RECOGNIZED - FILE #E196366 AND E169987.



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

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DATE 2016-11-07

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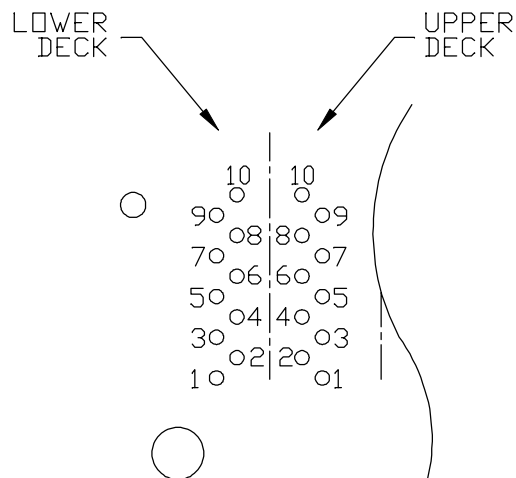
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.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4

REV. : C	PAGE : 3
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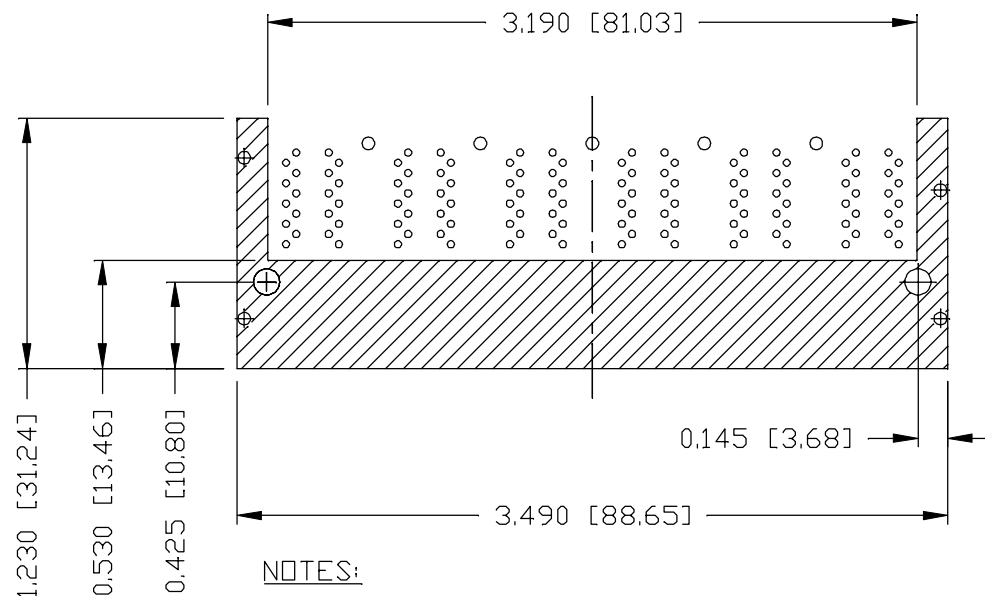
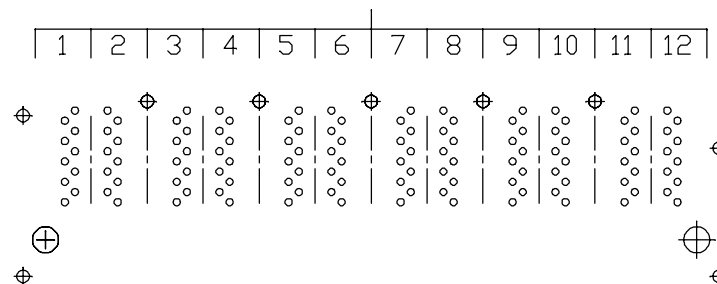
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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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PAGE : 4

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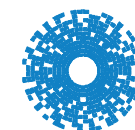
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STANDARD DIM.
TOL. IN INCH

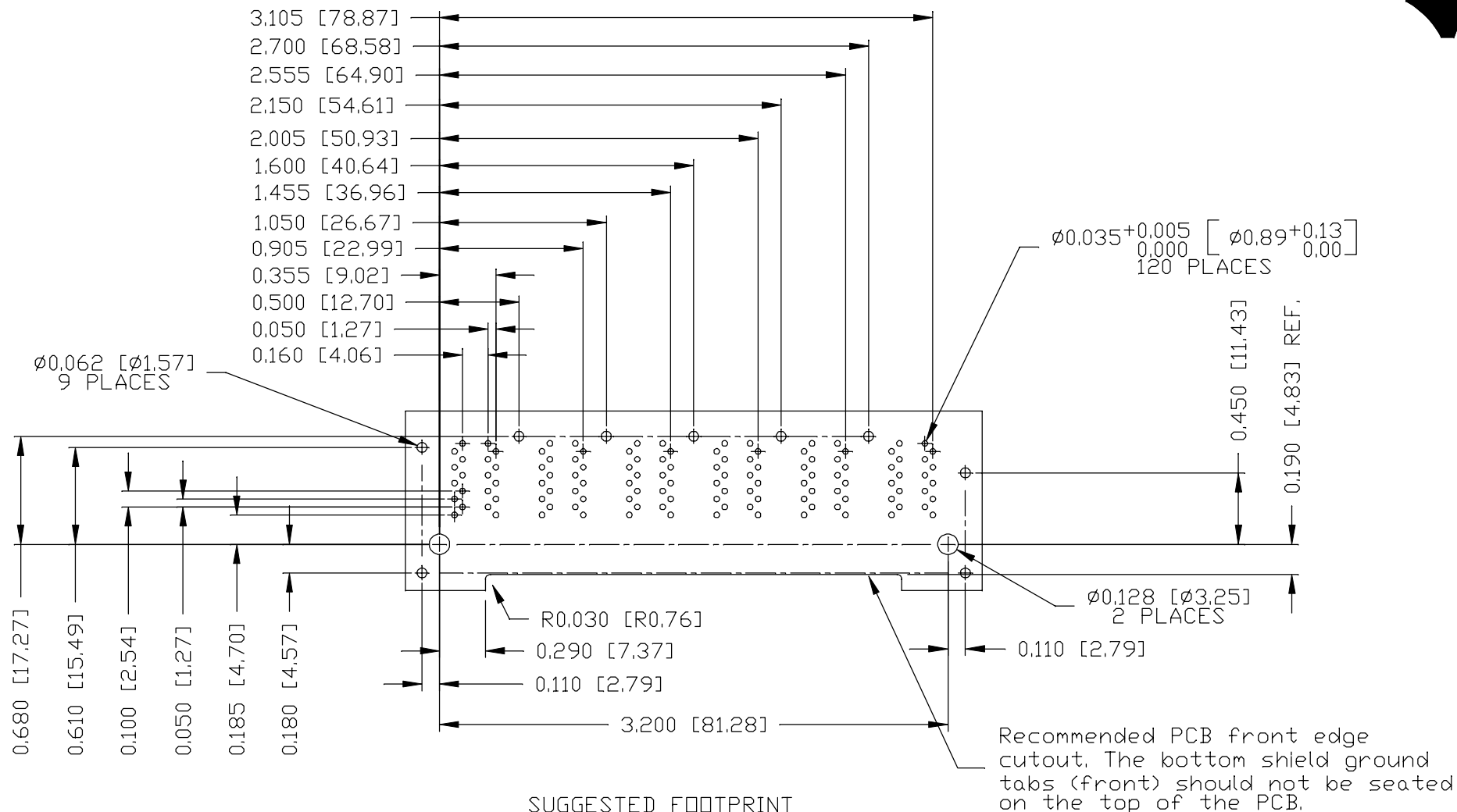
.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

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STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.004	SIZE : A4

REV. : C PAGE : 5

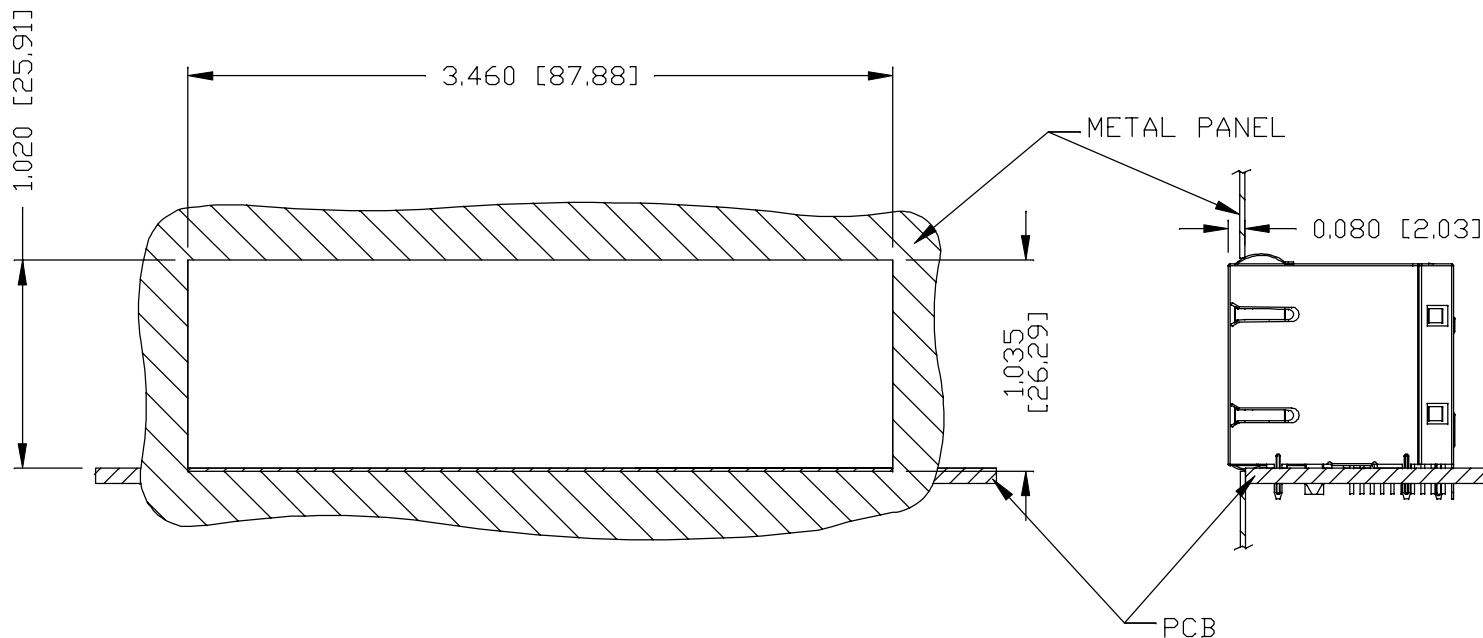


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SUGGESTED PANEL OPENING



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)

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.	
DRAWN BY ZHANG XUEZHENG DATE 2016-11-07			FILE NAME 08332X6R54-F_C.DWG		.X		UNIT : INCH [mm]	
					.XX		SCALE : N/A	
					.XXX	±0.004		SIZE : A4
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