

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

CL @ 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

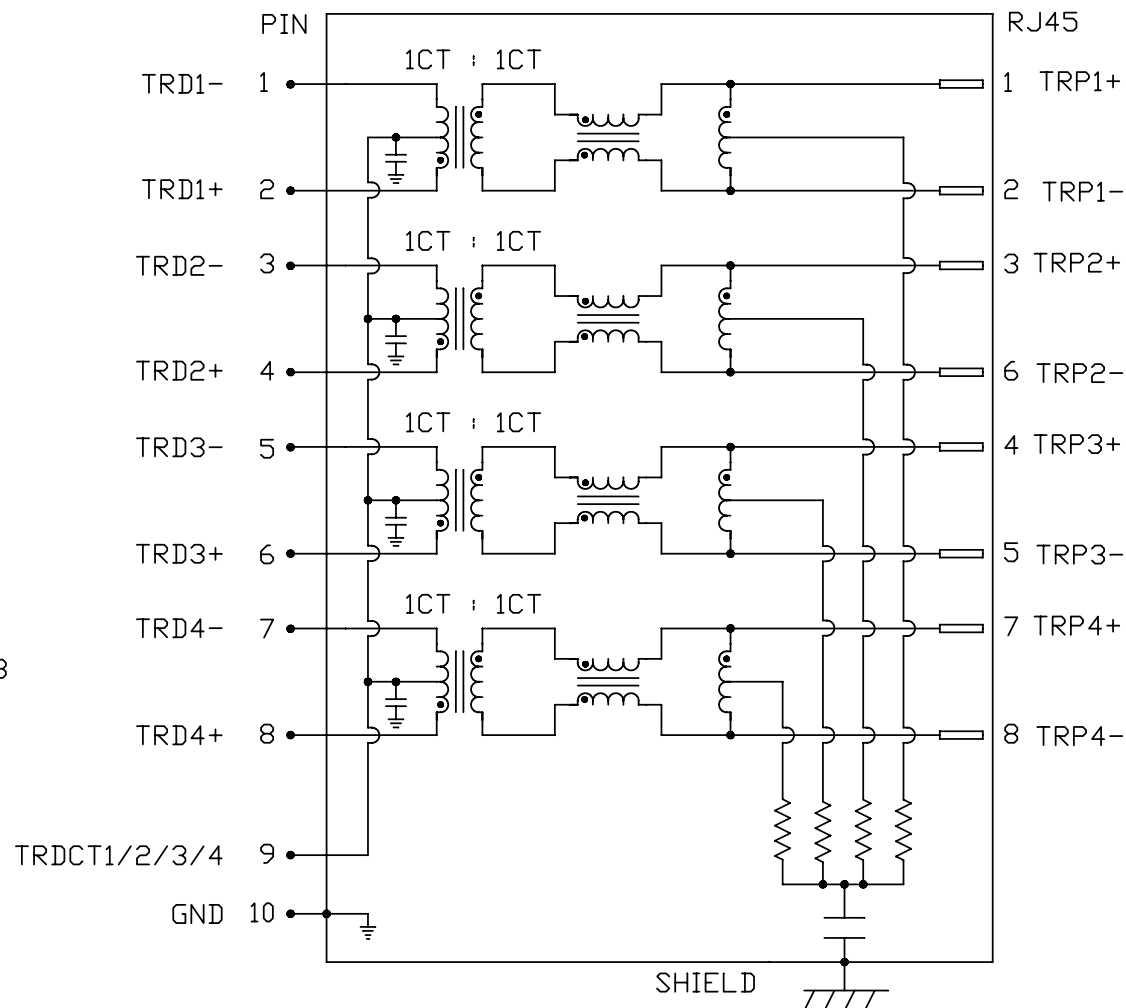
HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY

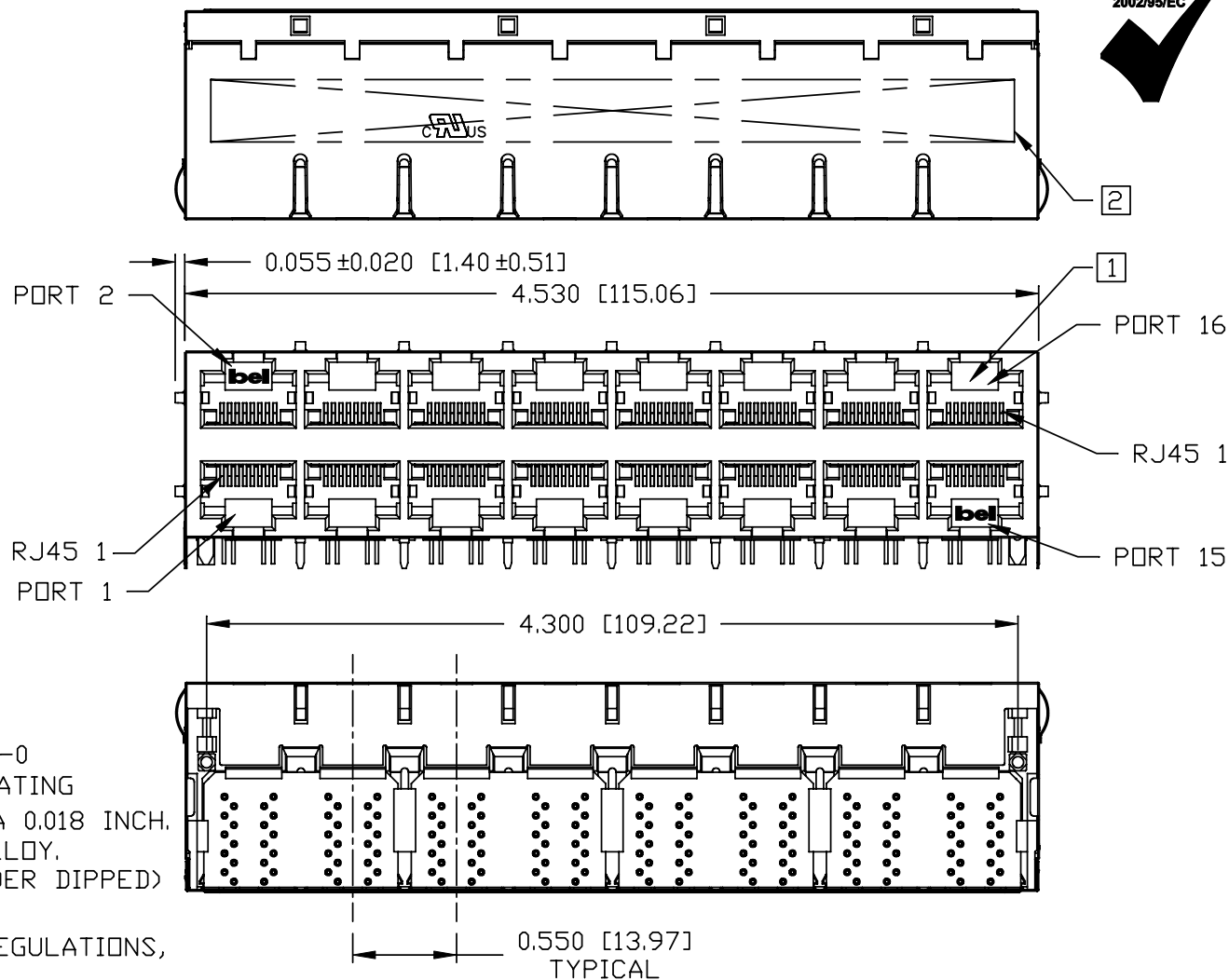
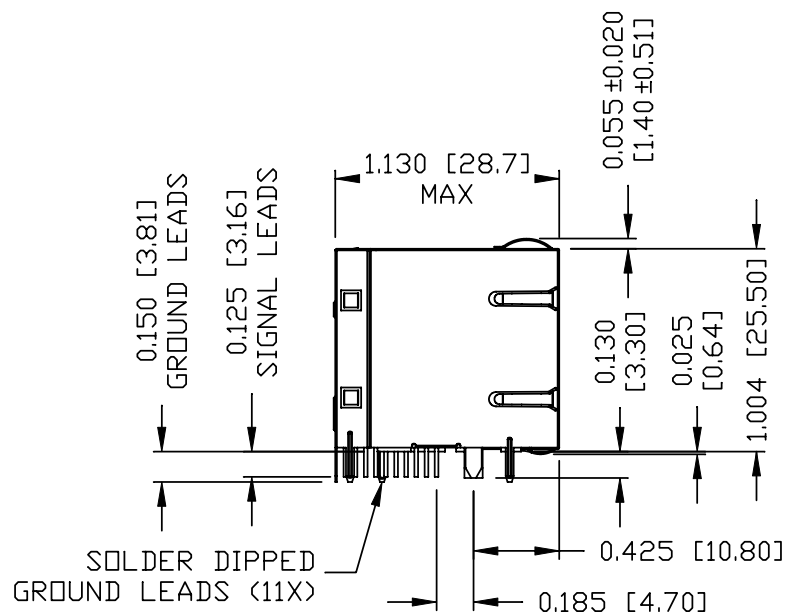
WITH IEEE 802.3 ISOLATION REQUIREMENT

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHOW WANGCHUNG	04-08-10	2X8 gigabit MagJack® (12 Cores) 0833-2X8R-33-F PATENTED	08332X8R33-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE			.X	SCALE : N/A	SIZE : A4
LEE WEIDE	04-08-10			.XX		PAGE : 2
			FILE NAME	.XXX		
			08332X8R33-F_B.DWG			

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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.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

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

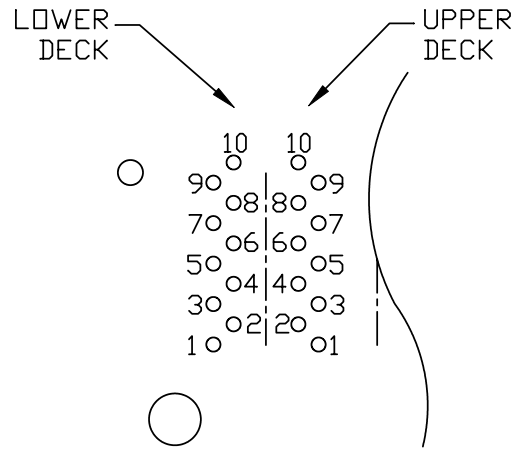
c USUL RECOGNIZED - FILE #E196366 AND E169987.

3. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
CHEN BILL	04-08-10	2X8 gigabit MagJack® (12 Cores) 0833-2X8R-33-F PATENTED	08332X8R33-F FILE NAME 08332X8R33-F_B.DWG	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE			.XX	SCALE : N/A	SIZE : A4
XIAN JIAXIN	04-08-10			.XXX ±0.010		PAGE : 3



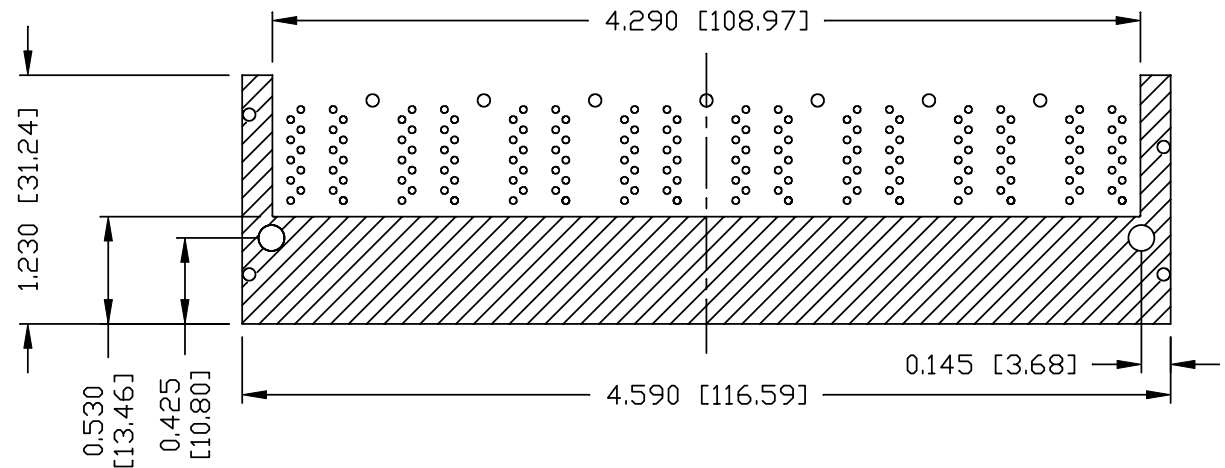
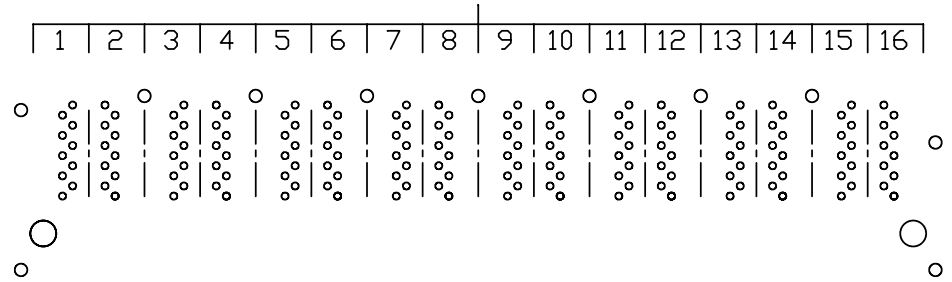
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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)

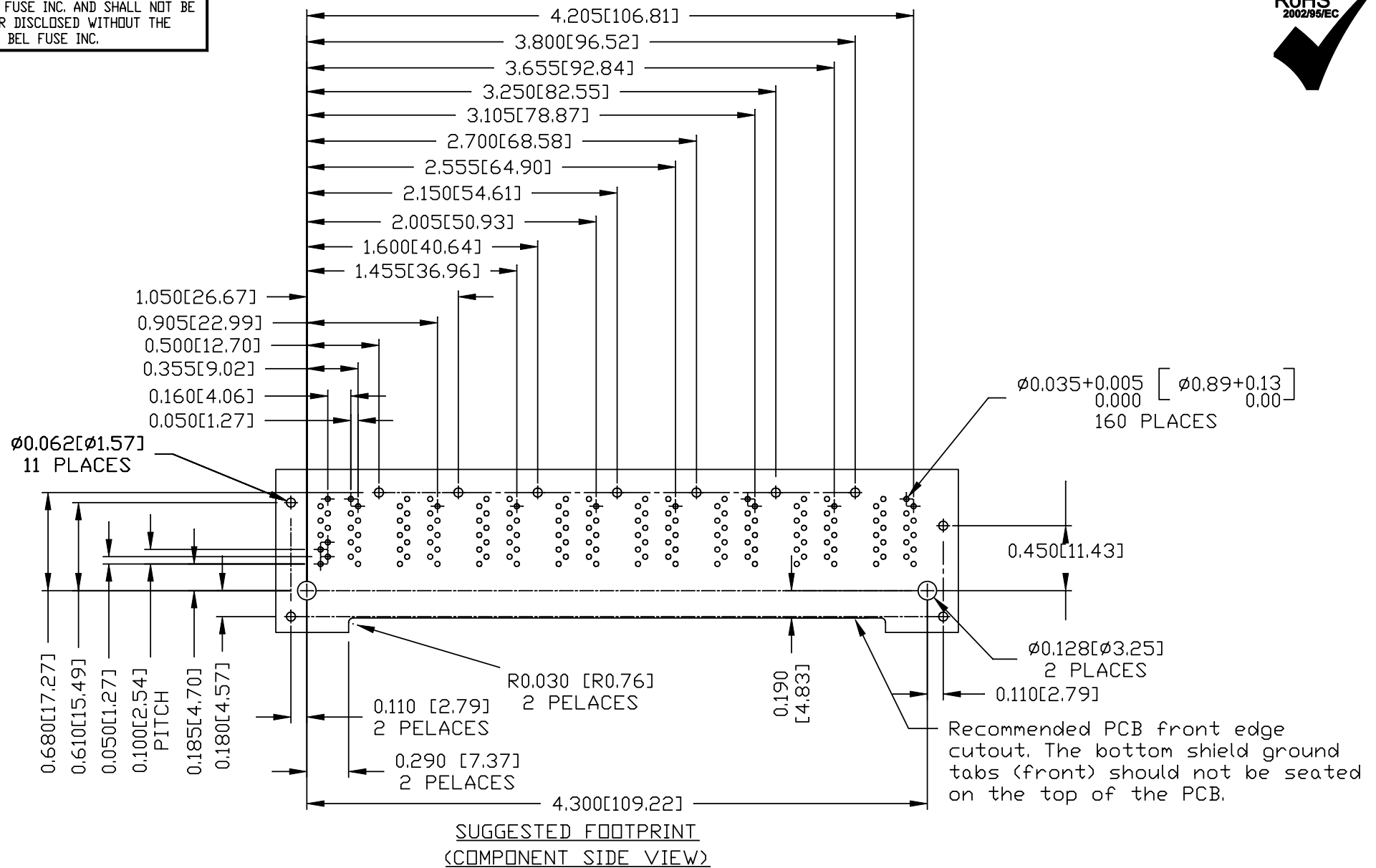


THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

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XIAN JIAXIN	04-08-10			.XXX ±0.004		PAGE : 4



RoHS
2002/95/EC

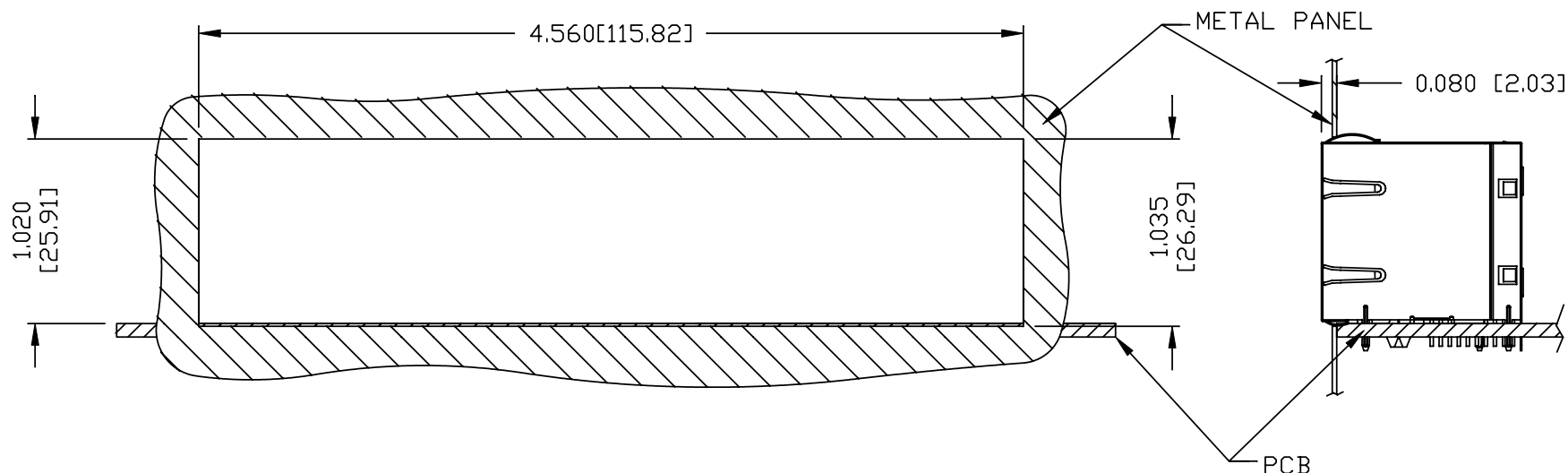


ORIGINATED BY	DATE	TITLE 2X8 gigabit MagJack® (12 Cores) 0833-2X8R-33-F PATENTED	PART NO. / DRAWING NO. 08332X8R33-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		 COMPONENTS OF A CONNECTED PLANET
CHEN BILL	04-08-10		FILE NAME	.X	UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		08332X8R33-F_B.DWG	.XX	SCALE : N/A	SIZE : A4	
XIAN JIAXIN	04-08-10			.XXX ±0.004		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-B2 (TOP)
0200-9999-B1 (BOTTOM)

PACKING QUANTITY : 10 PCS FINISHED GOODS PER TRAY
7 TRAY (70 PCS FINISHED GOODS) PER CARTON BOX

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

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DRAWN BY	DATE			.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	04-08-10			.XXX ±0.004	PAGE : 6

