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ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio

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

OCL @ 100kHz/100mVRMS

8mA DC BIAS	350mH 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

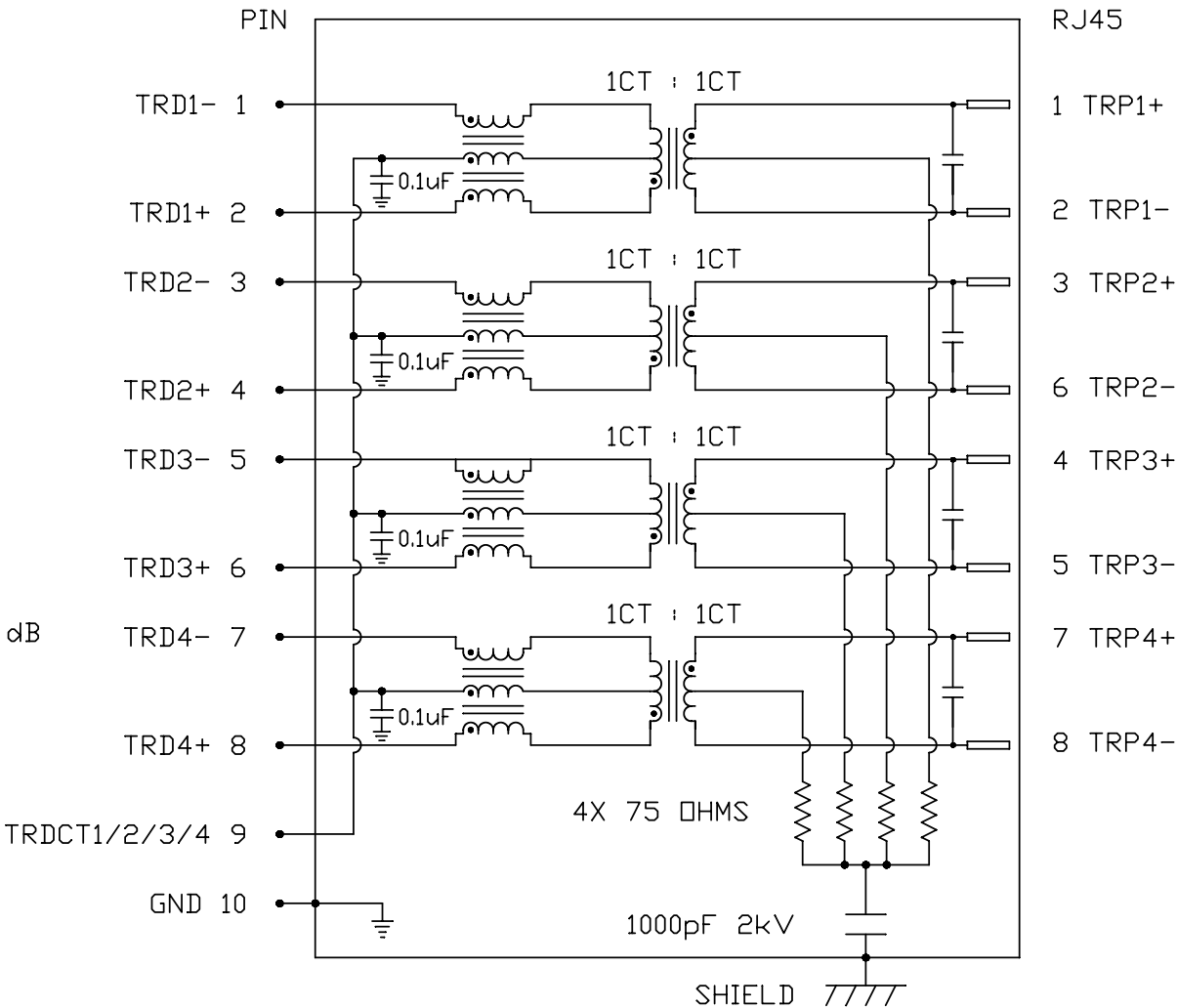
100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

1500 Vrms

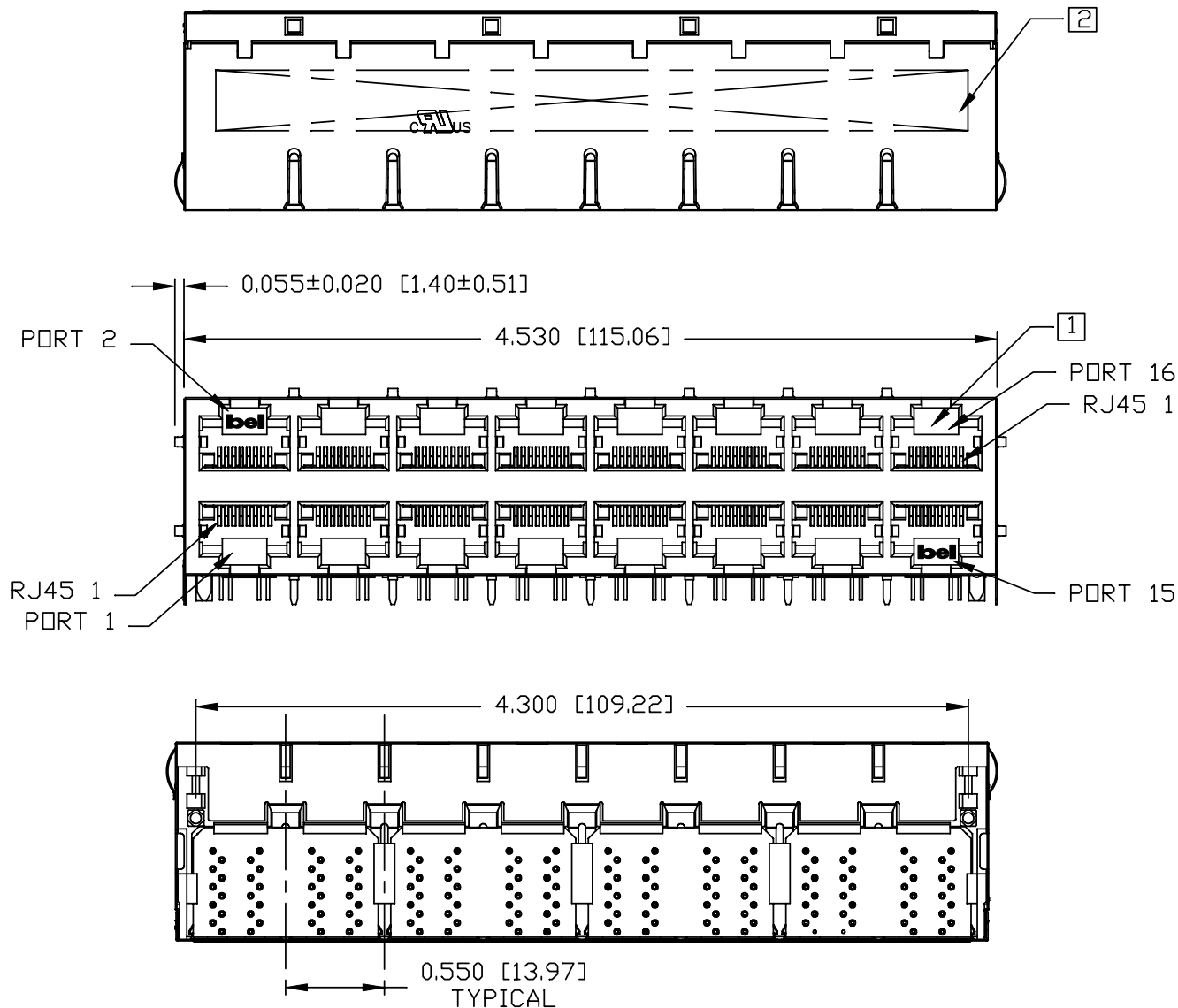
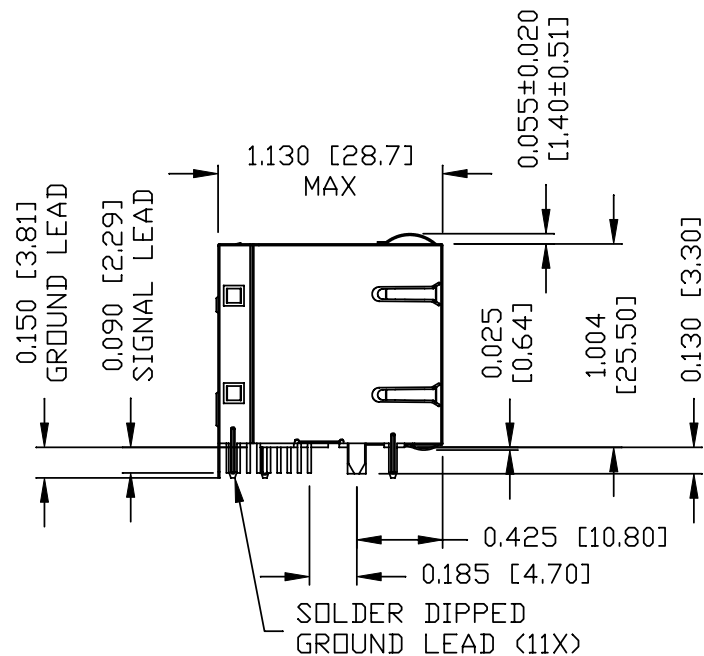
100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

SCHEMATIC



ORIGINATED BY	DATE	TITLE 2X8 gigabit MagJack® (0.090" Pin Length of -54N)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHOW WANGCHUNG	02-24-09		0833-2X8R-64	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
LEE WEIDE	02-24-09		0833-2X8R-64_A.DWG	.XX			PAGE : 2	
			.XXX					

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				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
LIU QIN	02-24-09	2X8 gigabit MagJack® (0.090" Pin Length of -54N)	0833-2X8R-64	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
XIAN JIAXIN	02-24-09		0833-2X8R-64_A.DWG	.XXX	±0.010		



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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 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,AND DATE CODE.

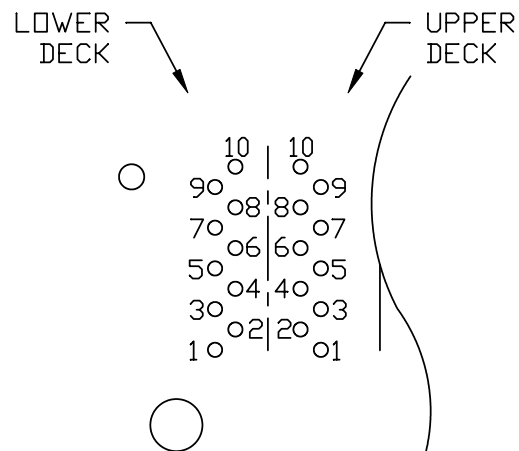
c  US UL RECOGNIZED - FILE #E196366 AND E169987.

3. THIS PRODUCT CONTAINS LEAD, AS PART OF THE SOLDER ALLOY USED IN THE TERMINAL PLATING AND TO COMPLETE INTERNAL ELECTRICAL CONNECTIONS SINCE THE DESIGN IS FREE OF THE OTHER 5 BANNED SUBSTANCES AS LISTED IN EU DIRECTIVE 2002/95/EC, IT MAY BE CONSIDERED RoHS COMPLIANT WHEN USED IN SPECIFIC APPLICATIONS, SUCH AS NETWORK INFRASTRUCTURE EQUIPMENT AND SERVERS.

ORIGINATED BY	DATE	TITLE 2X8 gigabit MagJack ® (0.090" Pin Length of -54N)	PART NO. / DRAWING NO. 0833-2X8R-64	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS OR A CONNECTED PLANET
DRAWN BY	DATE		FILE NAME 0833-2X8R-64_A.DWG	.X		UNIT : INCH [mm]	REV. : A	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX			PAGE : 4	
LIU QIN	02-24-09							
XIAN JIAXIN	02-24-09							



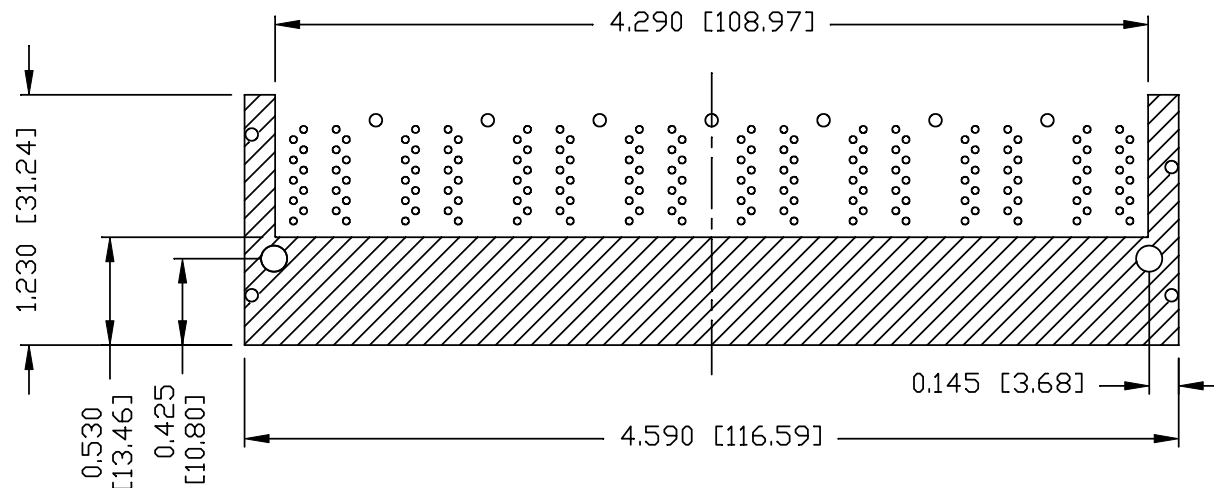
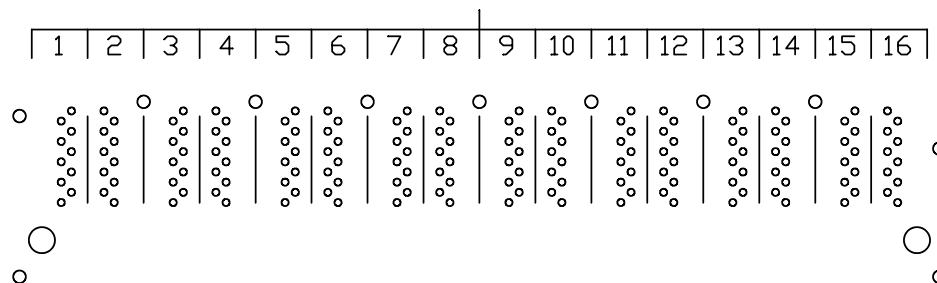
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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-

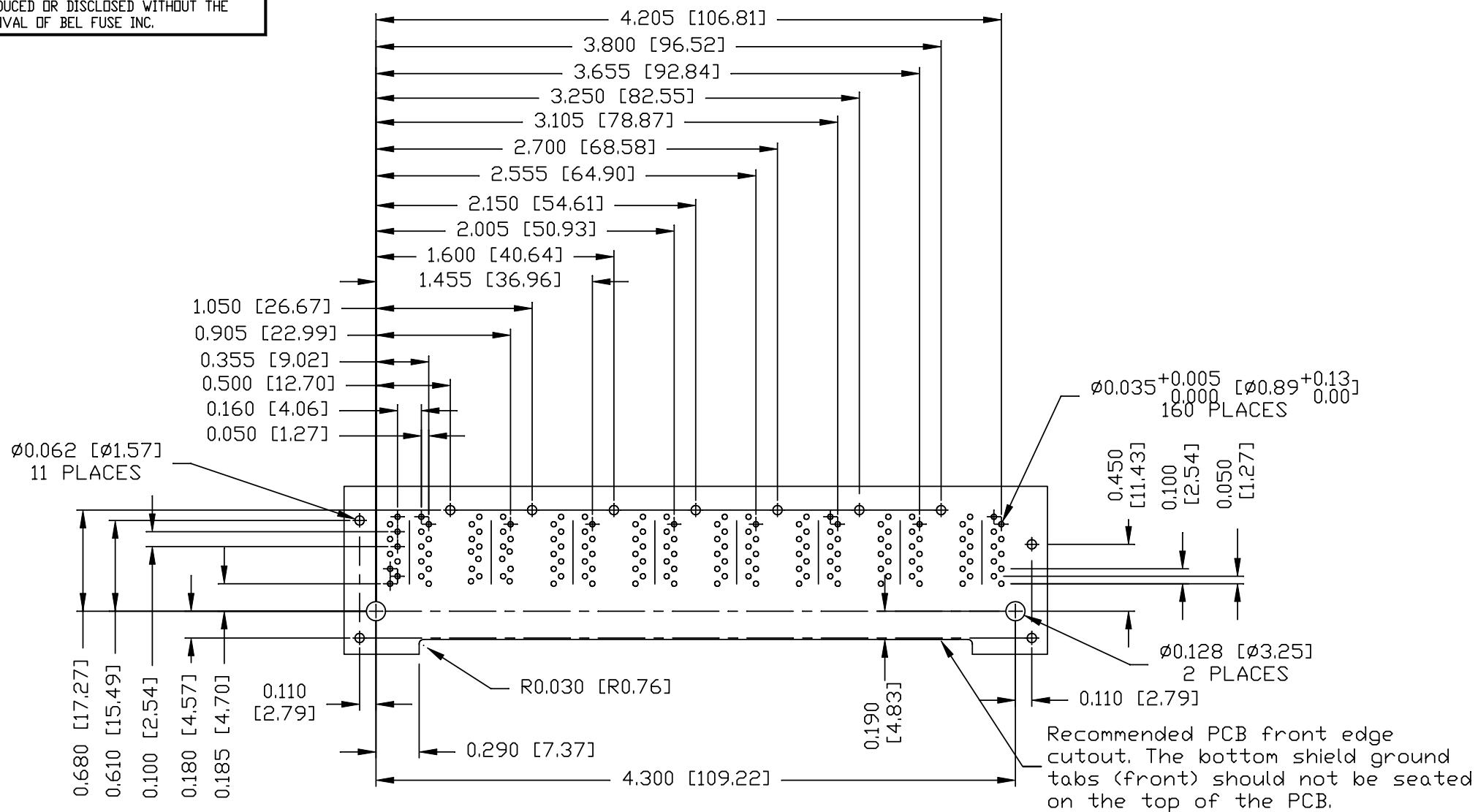
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

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				TOL.	IN INCH	UNIT : INCH [mm]	REV. : A
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DRAWN BY	DATE			.XX			PAGE : 5
XIAN JIAXIN	02-24-09			.XXX	±0.004		

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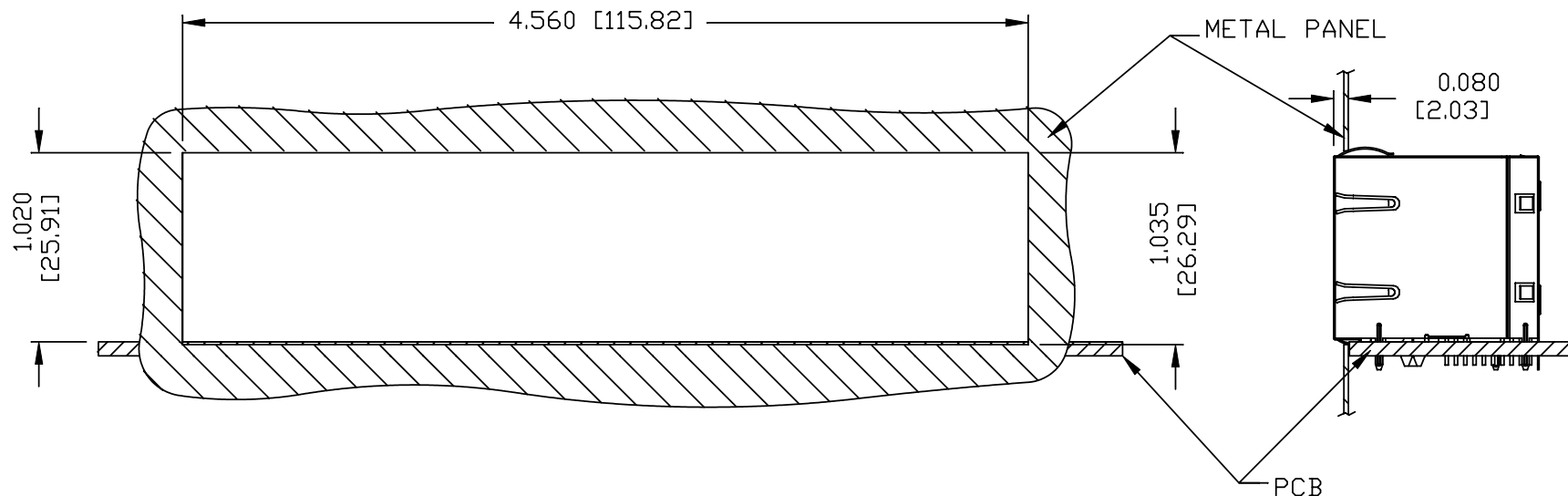


SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		
						UNIT : INCH [mm]	REV. : A	
LIU QIN	02-24-09	2X8 gigabit MagJack® (0.090" Pin Length of -54N)	0833-2X8R-64	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE			.XX			PAGE : 6	
XIAN JIAXIN	02-24-09			.XXX	±0.004			

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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 TRAYS (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)

ORIGINATED BY	DATE	TITLE 2X8 glgabit MagJack® (0.090" Pin Length of -54N)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS OR A FLAME CUT
LIU QIN	02-24-09		0833-2X8R-64	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	02-24-09		0833-2X8R-64_A.DWG	.XX			PAGE : 7	
				.XXX	±0.004			

