

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



PRELIMINARY

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

DCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.

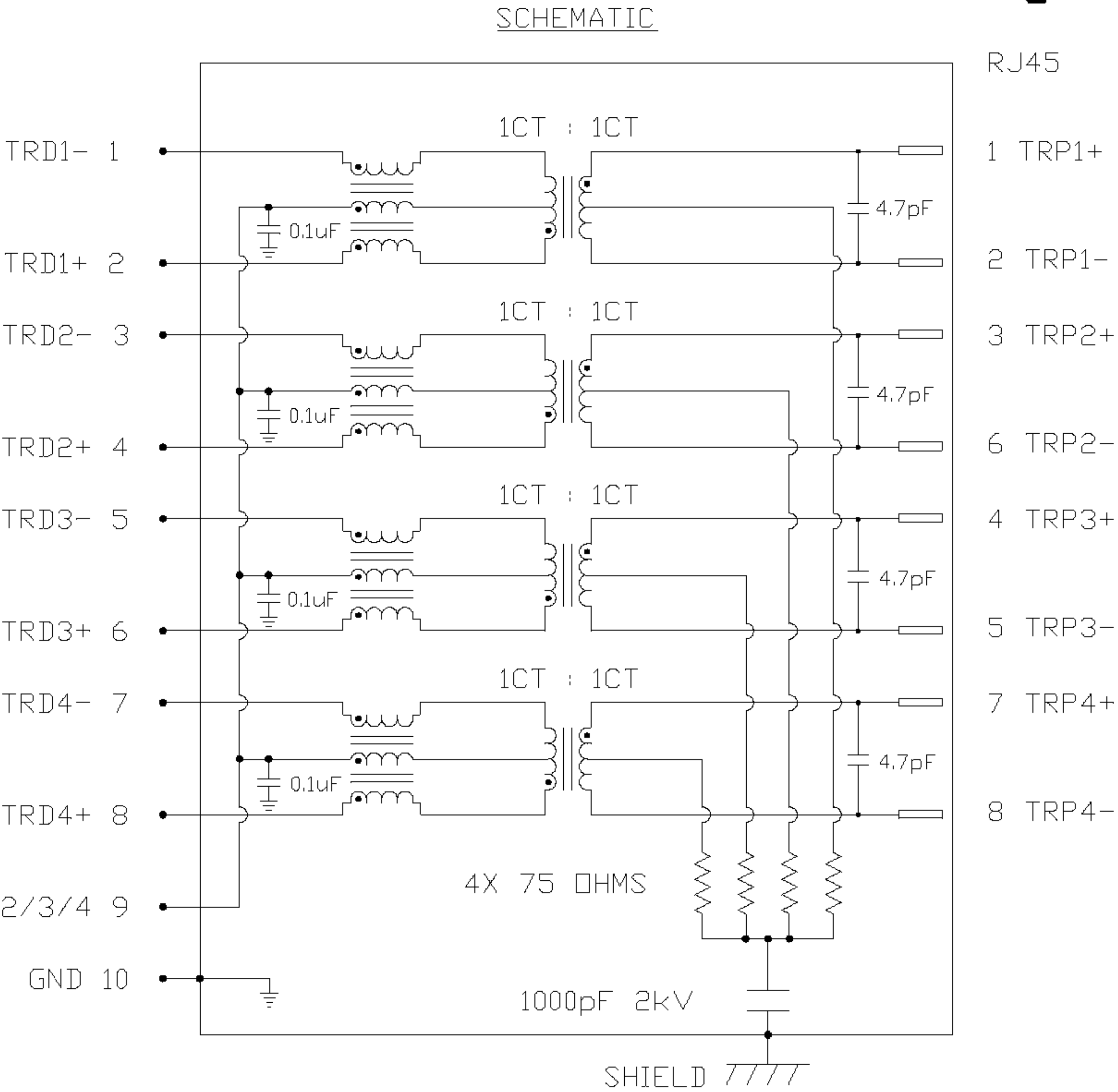
INS. LOSS	
0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

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

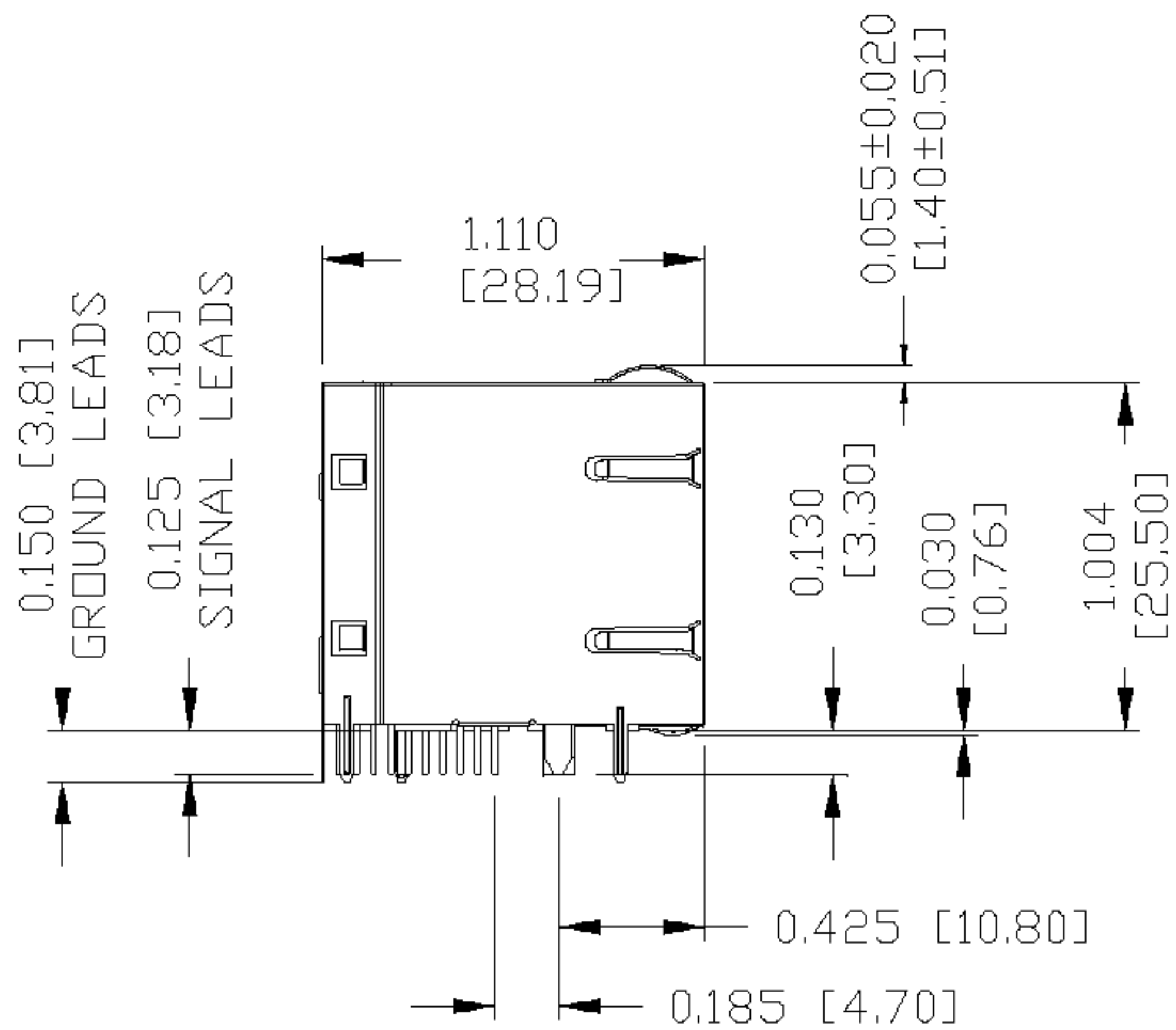
OPERATING TEMPERATURE:	-40° TO +85°C
HIPOT (Isolation Voltage):	1500 Vrms or 2250VDC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHUNG	01-31-07	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	08332X4RAV-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DE	01-31-07		08332X4RAV-FPA.DWG	.XX		PAGE : 2
				.XXX		

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PRELIMINARY

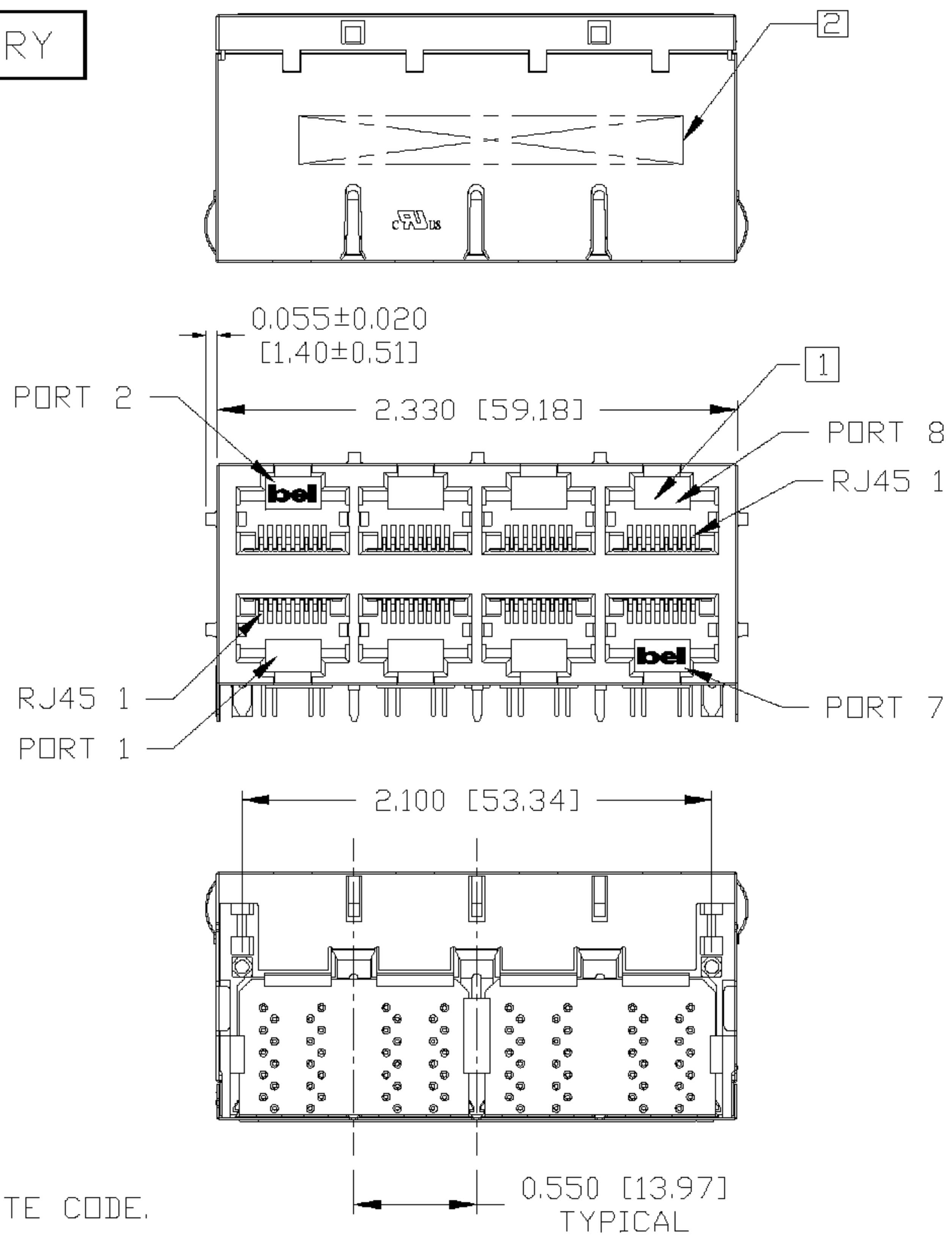


NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATED.
- 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. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

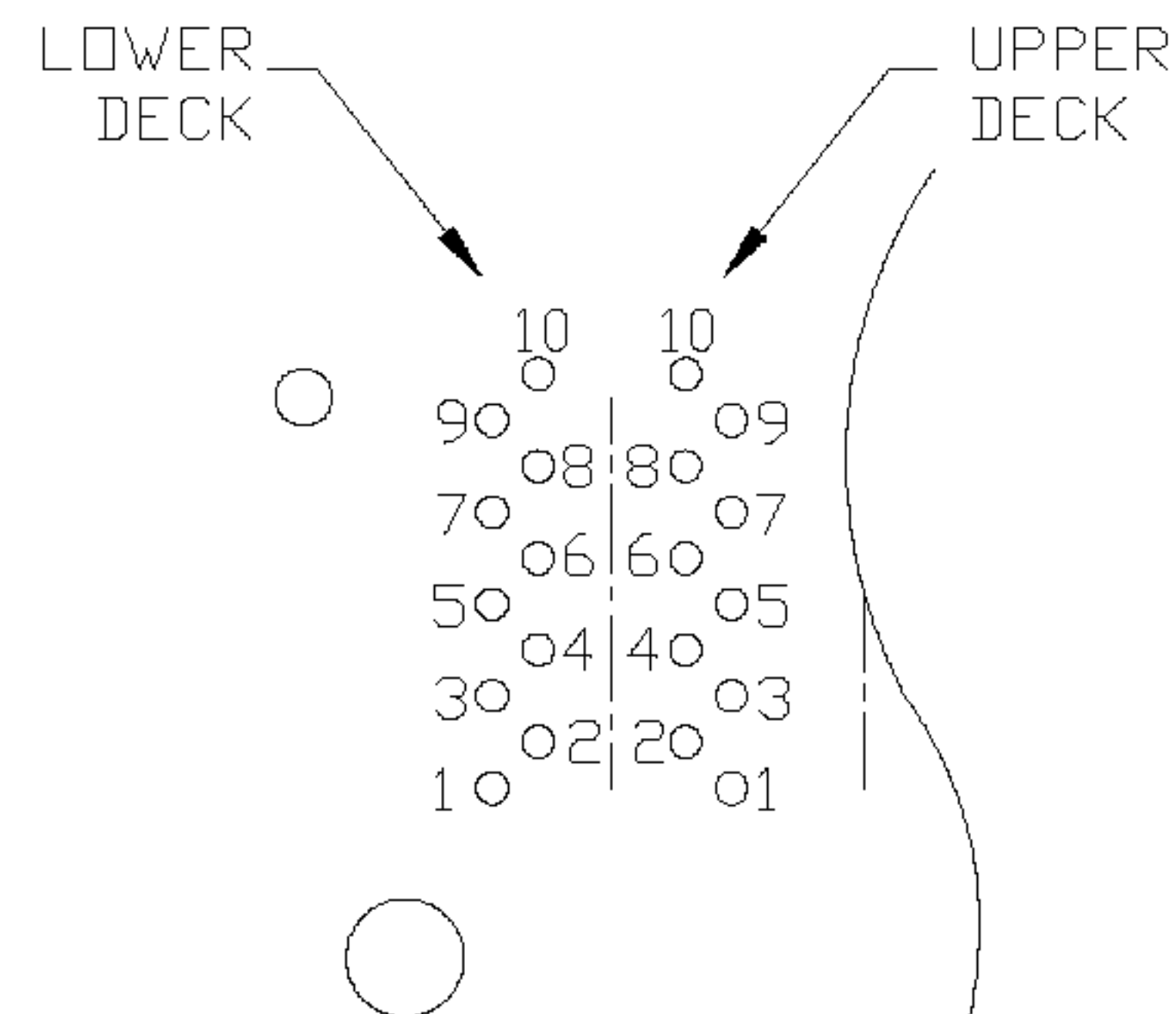


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL.	IN INCH	UNIT : INCH [mm]	REV. : PA
BILL	01-31-07	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	08332X4RAV-F	.X	±0.010	SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
QIN	01-31-07		08332X4RAV-FPA.DWG	.XXX			



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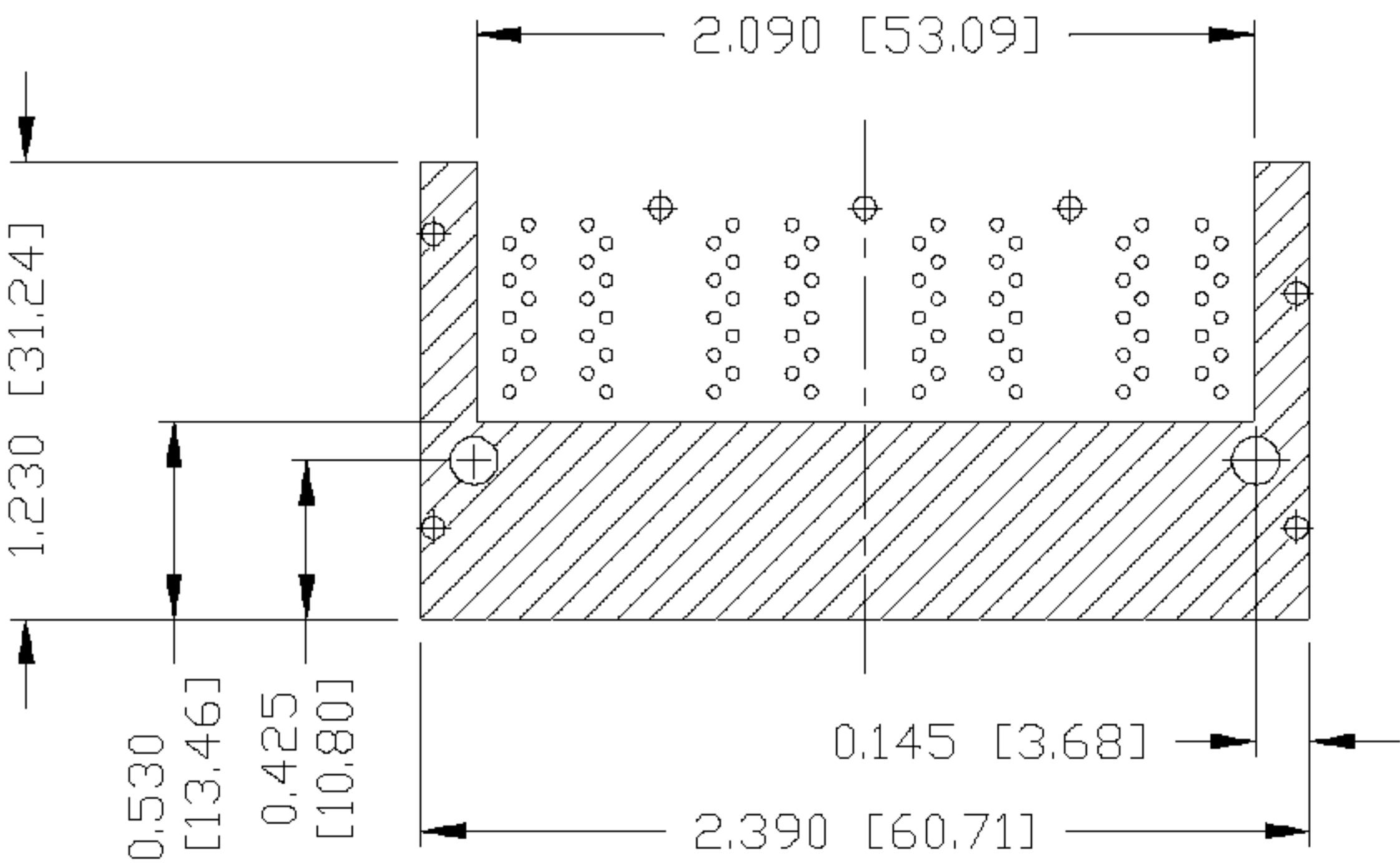
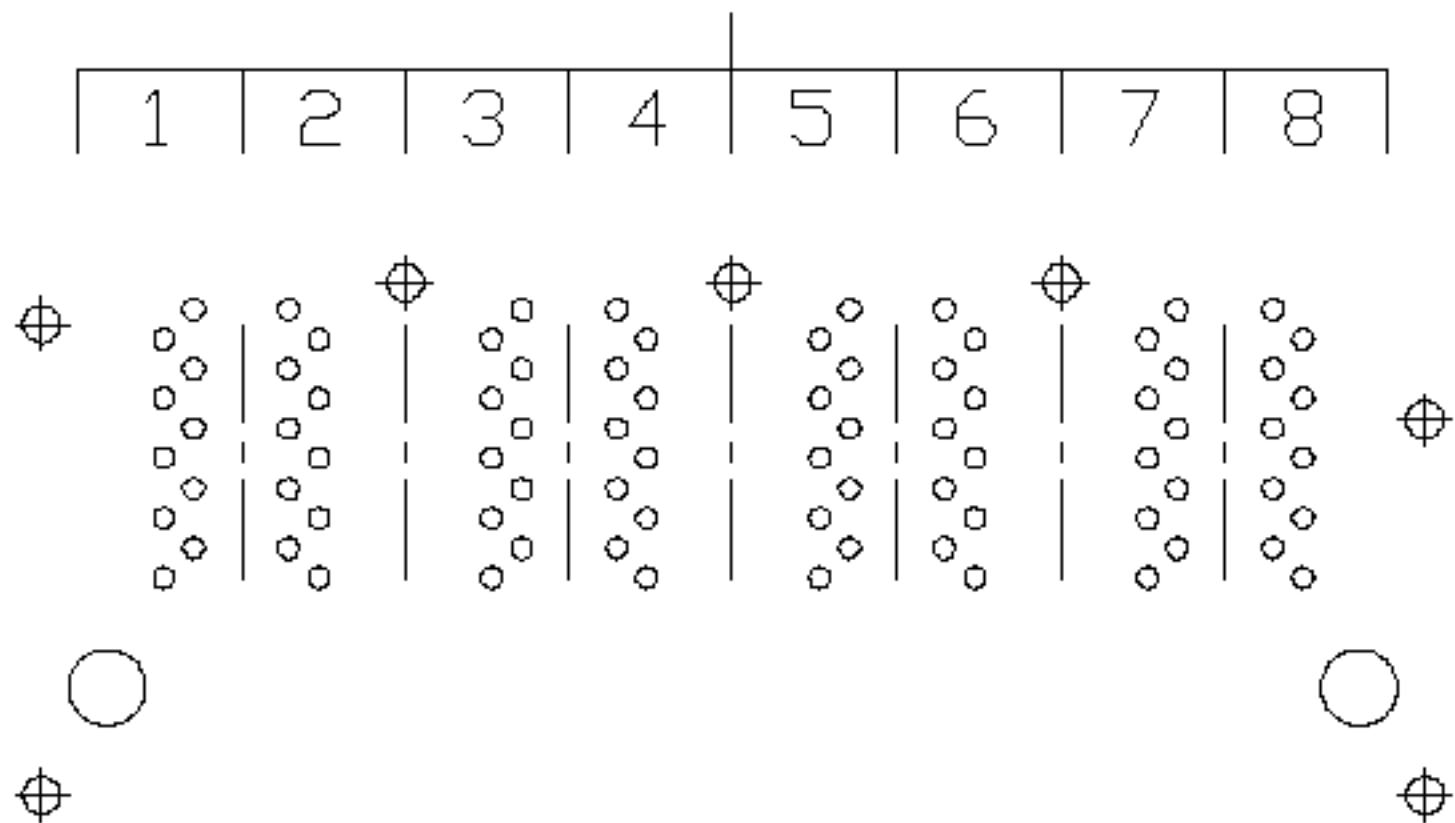
PRELIMINARY



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

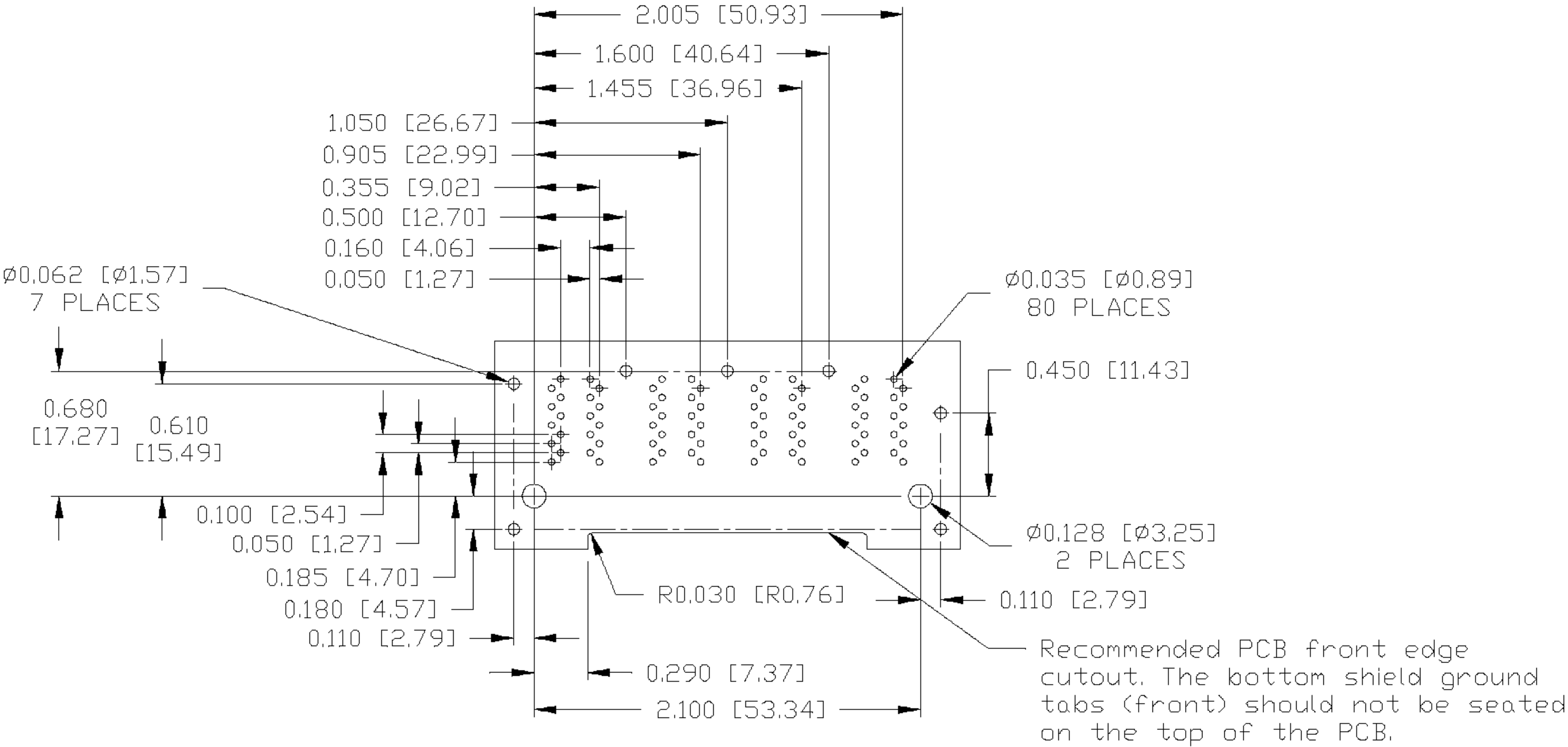
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
BILL	01-31-07	2X4 glgabit MagJack®	08332X4RAV-F	TOL. IN INCH	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE	(8 Cores)	FILE NAME	.X	SCALE : N/A SIZE : A4
QIN	01-31-07	0833-2X4R-AV-F	08332X4RAV-FPA.DWG	.XX	SCALE : N/A SIZE : A4
				.XXX	±0.004

PRELIMINARY



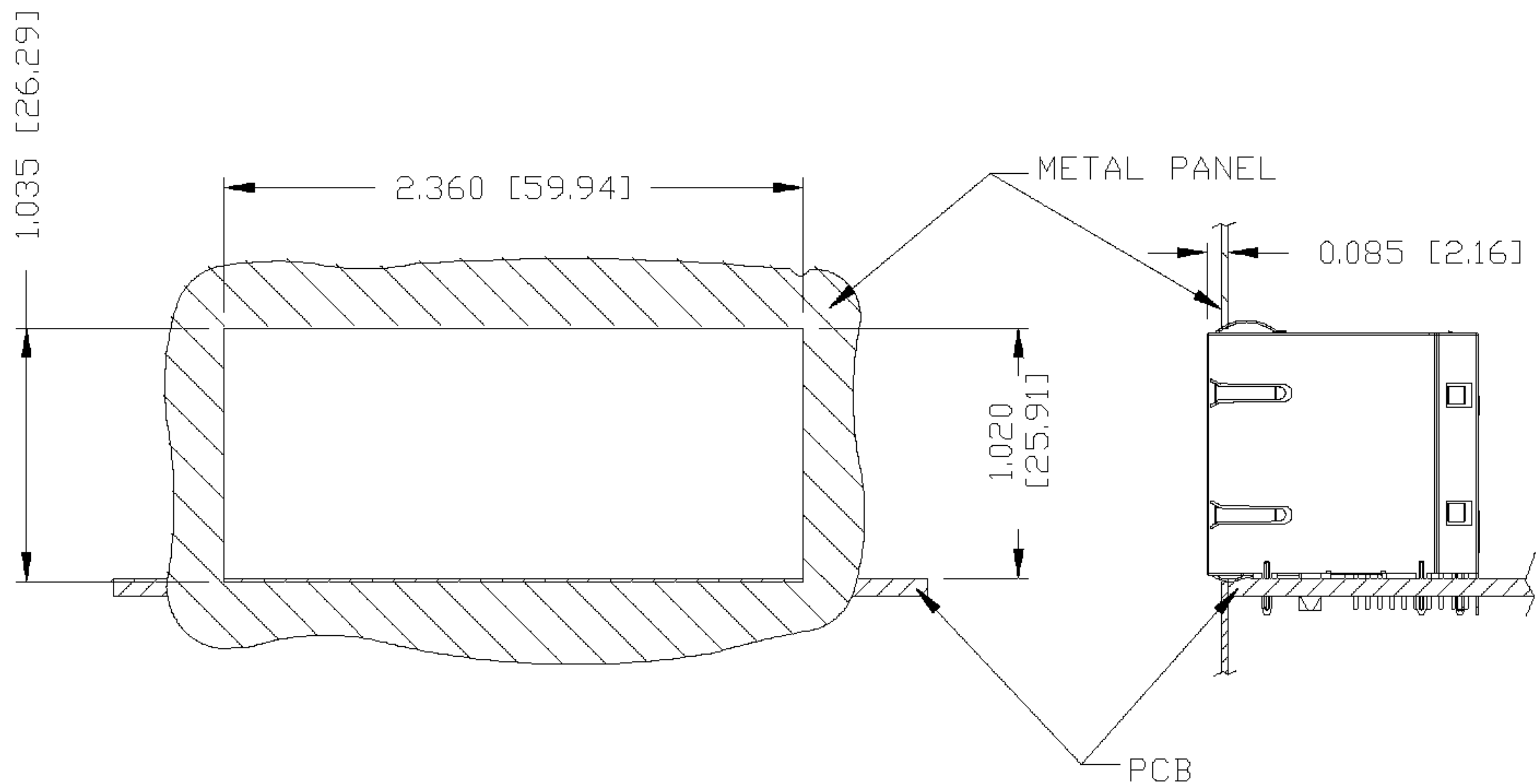
SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE 2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS ON A CONNECTED PLANET
BILL	01-31-07		08332X4RAV-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : PA	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
QIN	01-31-07		08332X4RAV-FPA.DWG	.XX			PAGE : 5	
				.XXX	±0.004			



PRELIMINARY

SUGGESTED PANEL OPENING



NOTES:

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 : 0200-0148-46 (TOP)
0200-0148-47 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY.
7 TRAYS (140 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	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PA
BILL	01-31-07	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-AV-F	08332X4RAV-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 6
QIN	01-31-07		08332X4RAV-FPA.DWG	.XXX	±0.004		