



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

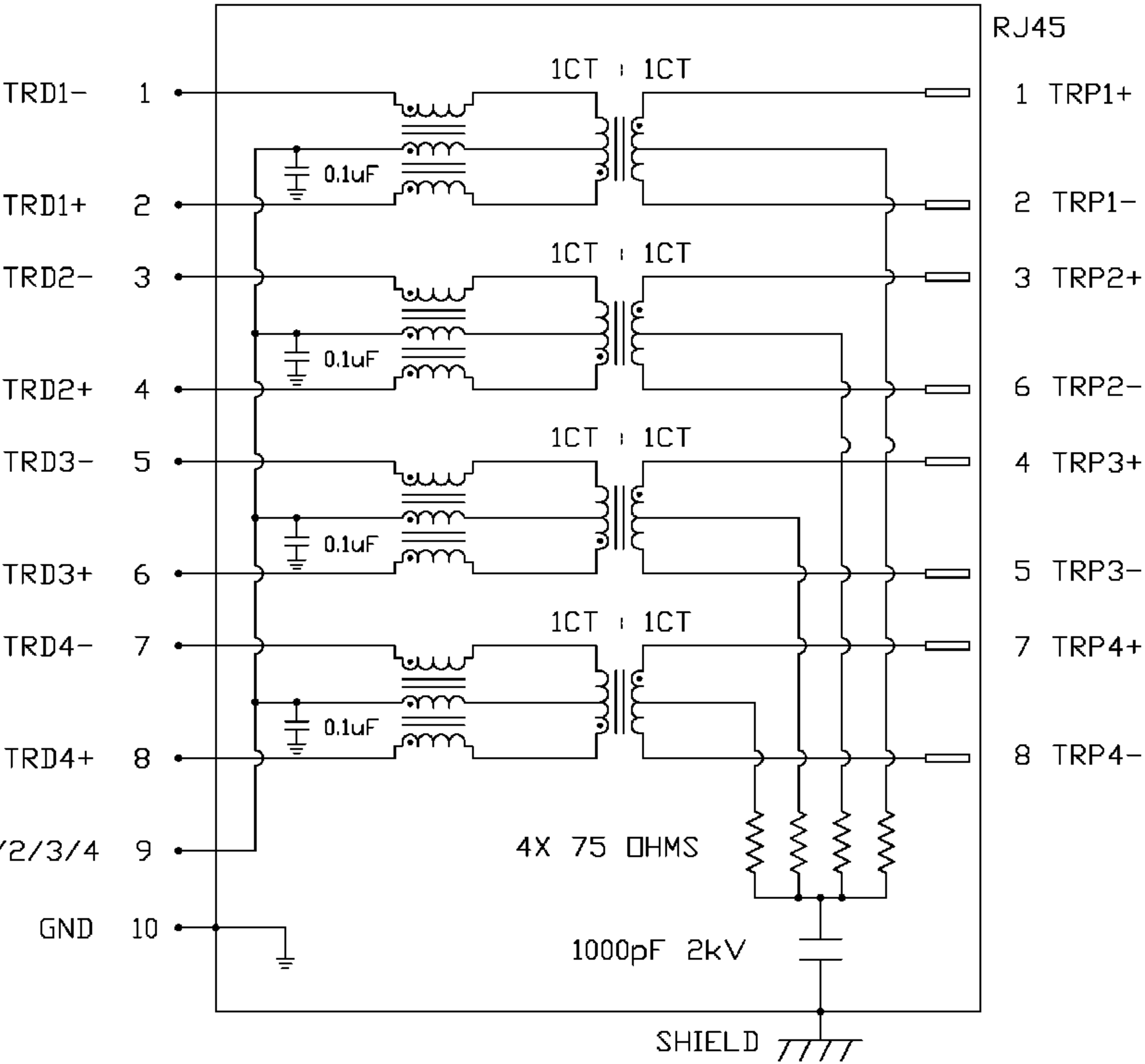
CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage):

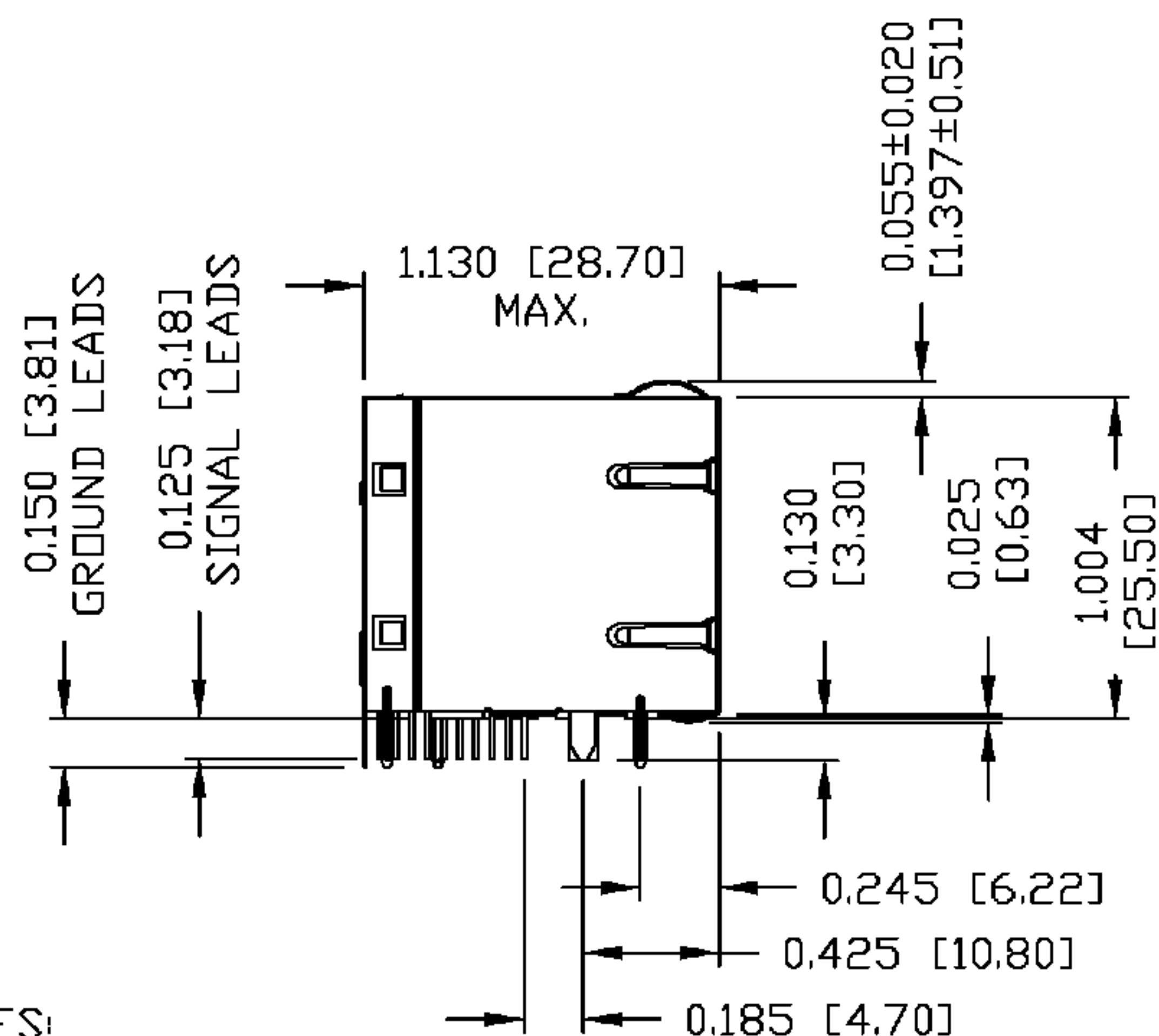
1500 Vrms or 2250VDC

SCHEMATIC



ORIGINATED BY	DATE	TITLE 2X4 glgabit MagJack® (8 Cores) 0833-2X4R-54-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS FOR A CONNECTED PLANET
CHUNG	03-21-06 <td>08332X4R54-F<th colspan="2">TOL. IN INCH</th><th>UNIT : INCH [mm]</th><th>REV. : B</th></td>		08332X4R54-F <th colspan="2">TOL. IN INCH</th> <th>UNIT : INCH [mm]</th> <th>REV. : B</th>	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE <td>FILE NAME<td>.X</td><td rowspan="3"></td><td>SCALE : N/A</td><td>SIZE : A4</td></td>		FILE NAME <td>.X</td> <td rowspan="3"></td> <td>SCALE : N/A</td> <td>SIZE : A4</td>	.X		SCALE : N/A	SIZE : A4	
DE	03-21-06		08332X4R54-FB.DWG	.XX			PAGE : 2	
			.XXX					

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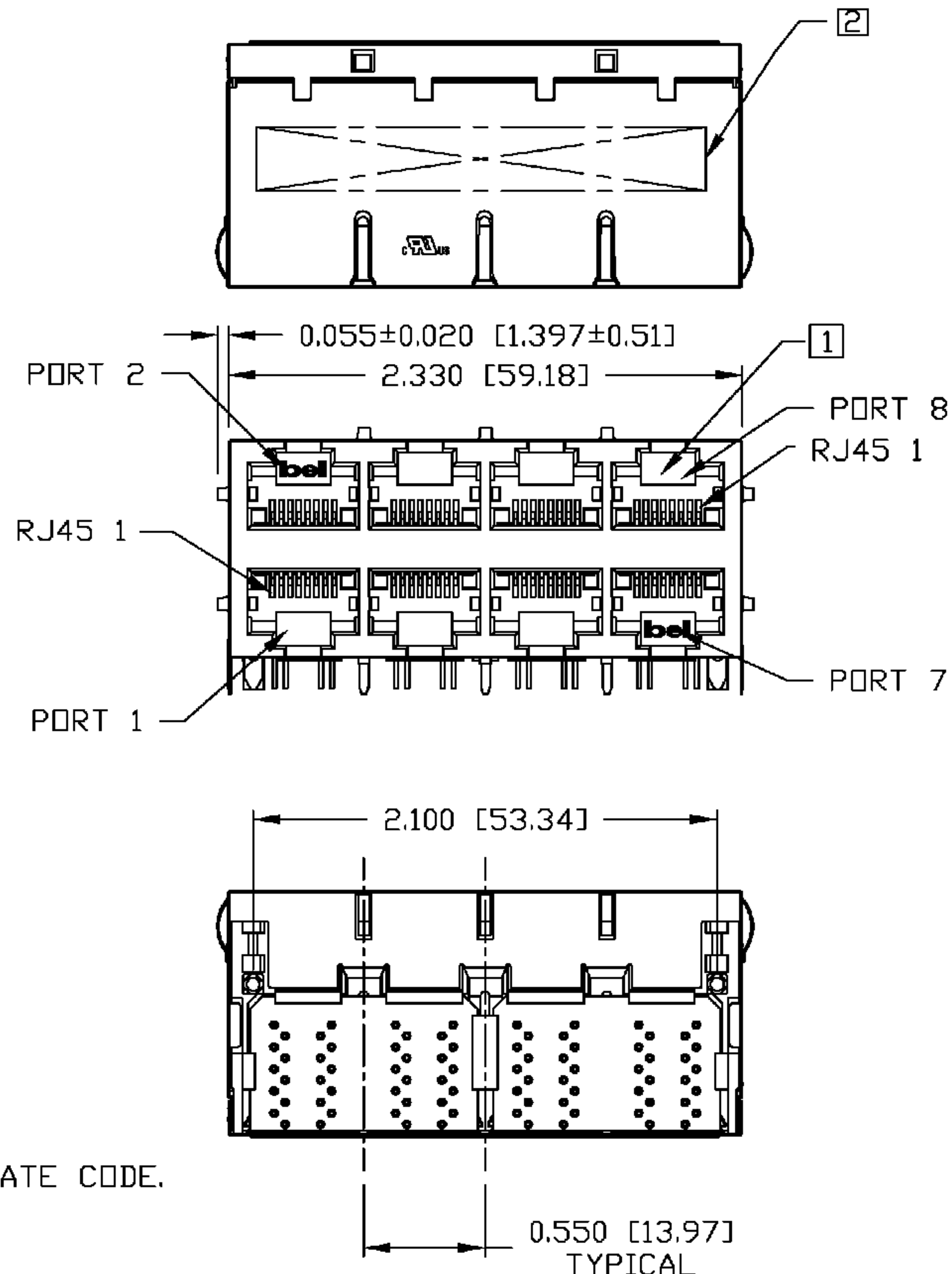


NOTES:

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)

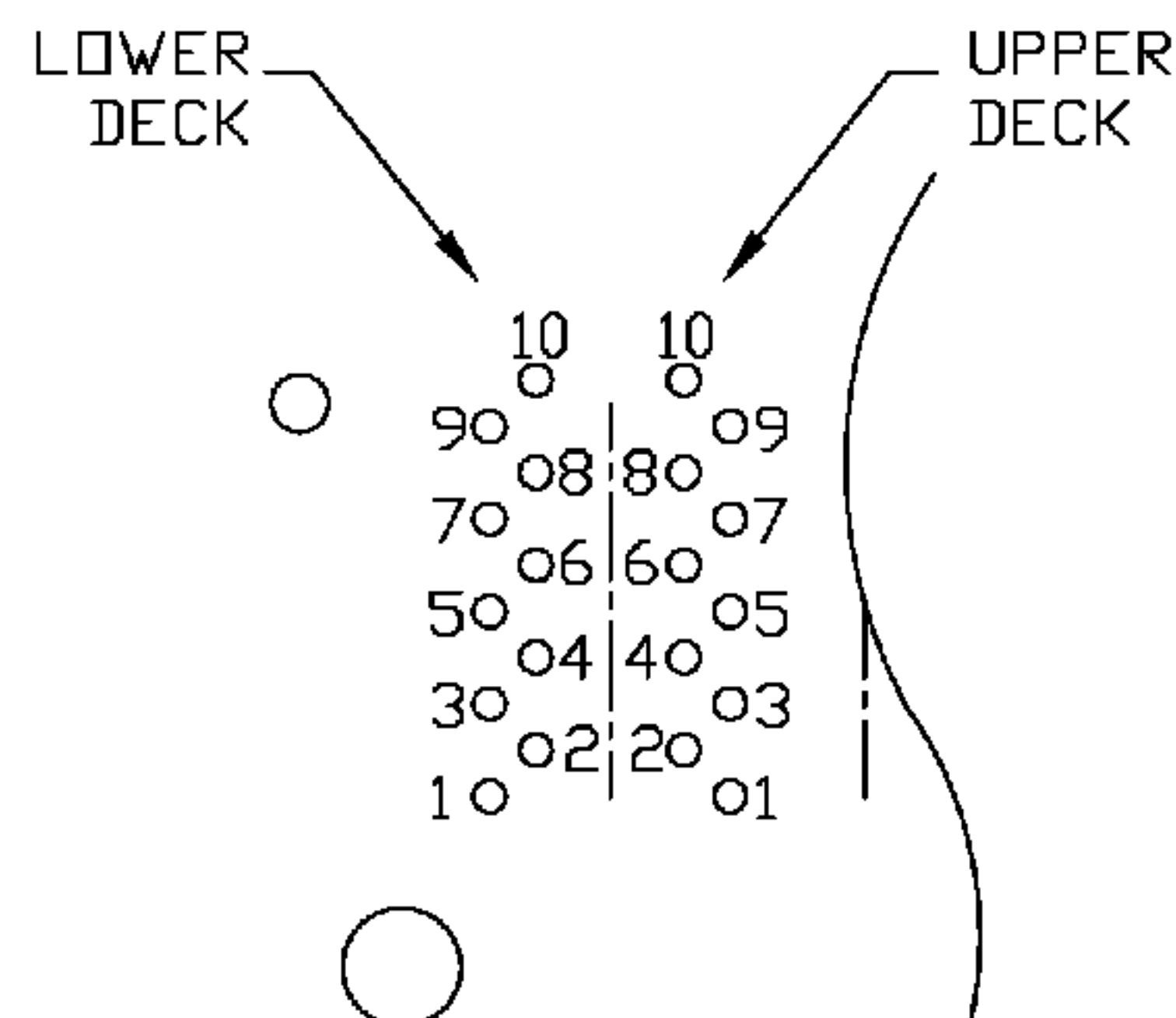
- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

UL UL RECOGNIZED - FILE #E196366 AND E169987.
 RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC.



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				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
QIN/KEUNG	03-21-06	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-54-F	08332X4R54-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
LING	03-21-06		08332X4R54-FB.DWG	.XXX	±0.010		

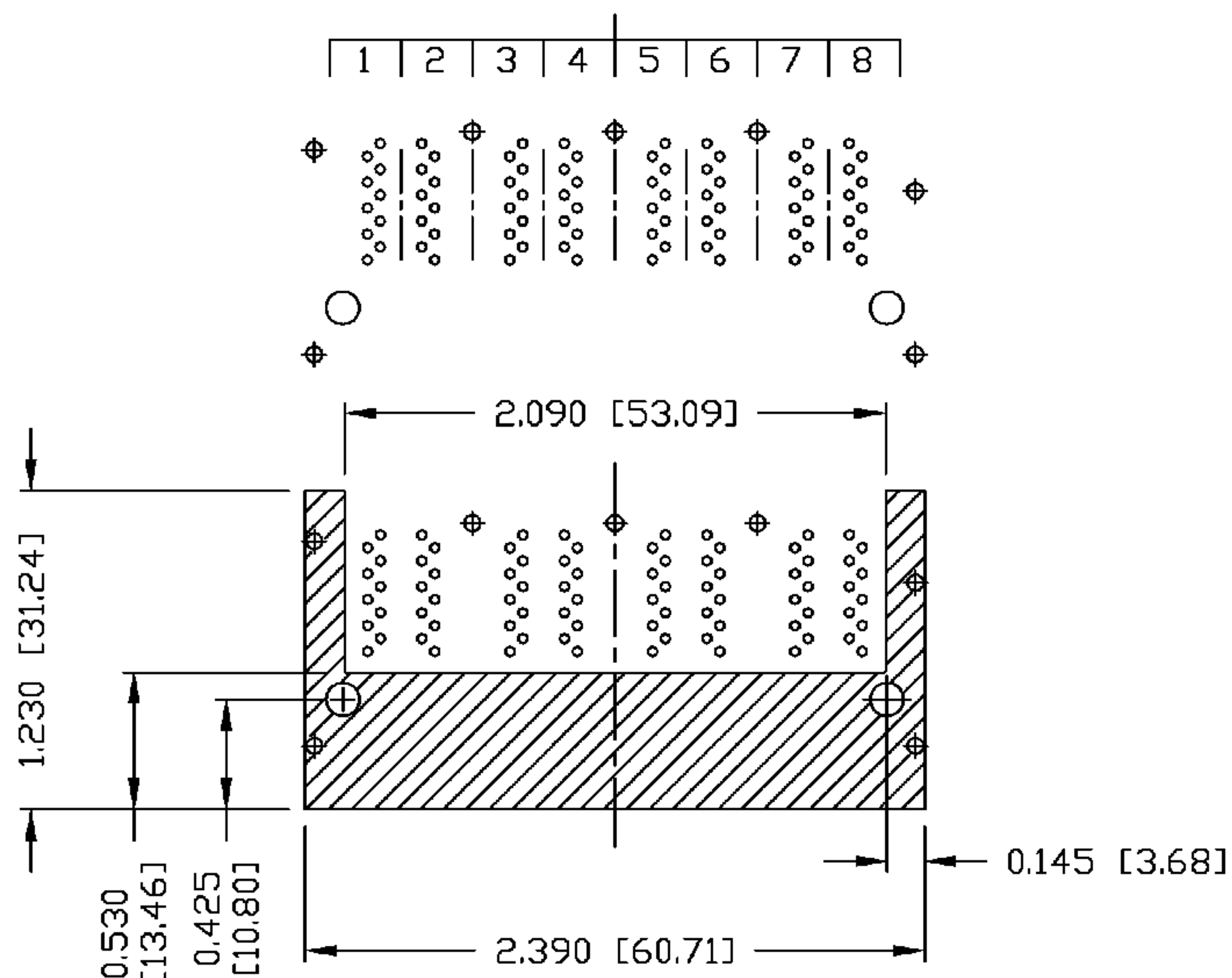




PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

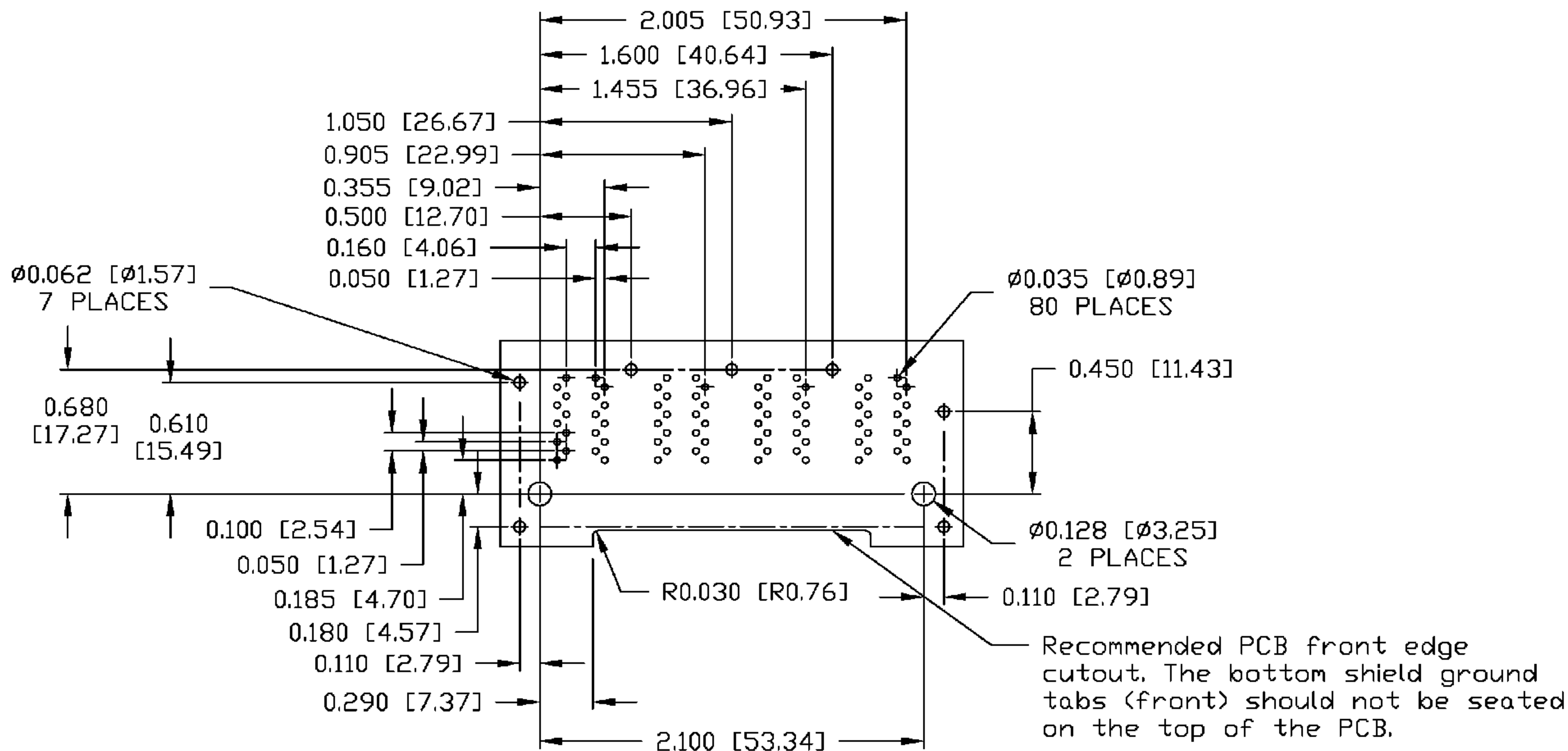
10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

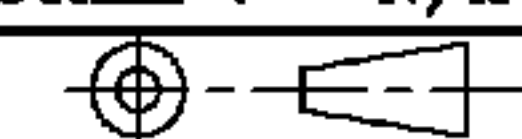


THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

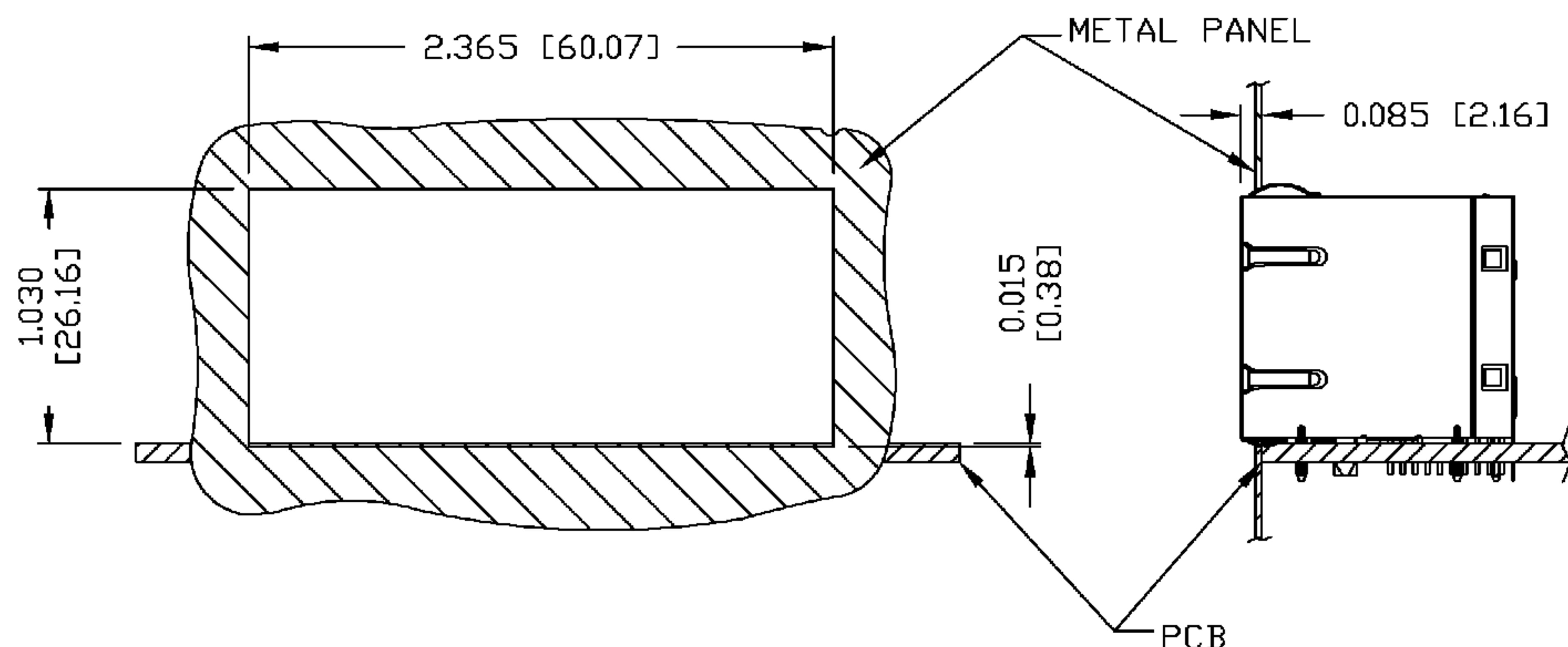
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
BILL/KEUNG	03-21-06	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-54-F	08332X4R54-F	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
LING	03-21-06		08332X4R54-FB.DWG	.XX	REV. : B	
				.XXX	±0.004	SIZE : A4
						PAGE : 4



SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
BILL/KEUNG	03-21-06	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-54-F	08332X4R54-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
LING	03-21-06		08332X4R54-FB.DWG	.XX .XXX ±0.004		PAGE : 5	

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

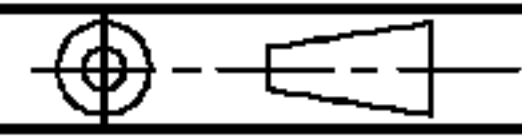
PACKING TRAY : 0200-0148-46 (TOP)

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. : B
BILL/KEUNG	03-21-06	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-54-F	08332X4R54-F FILE NAME 08332X4R54-FB.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 6
LING	03-21-06			.XXX	±0.004		



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