

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

QCL @ 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
-----------------	------------

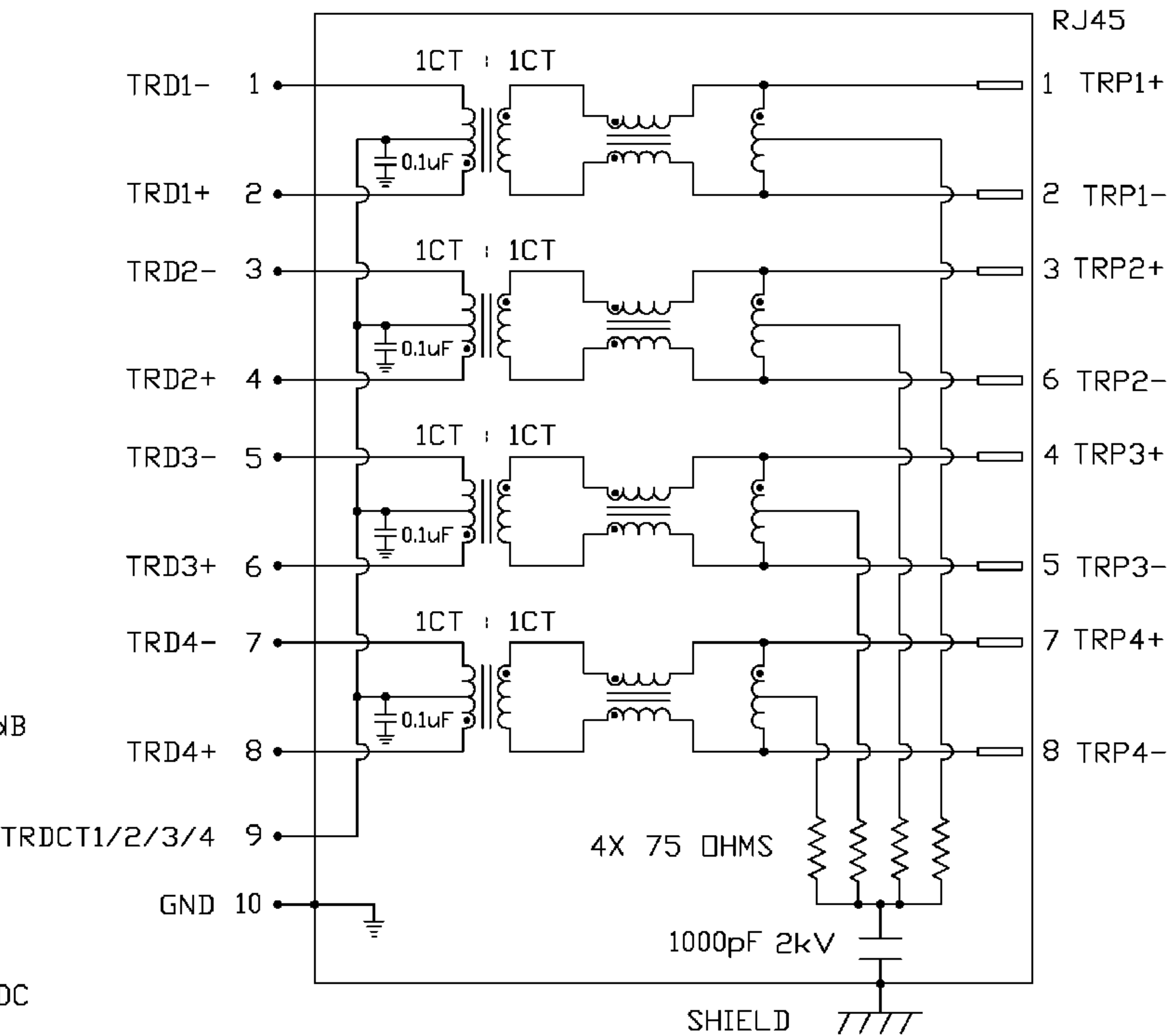
CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
-----------------	------------

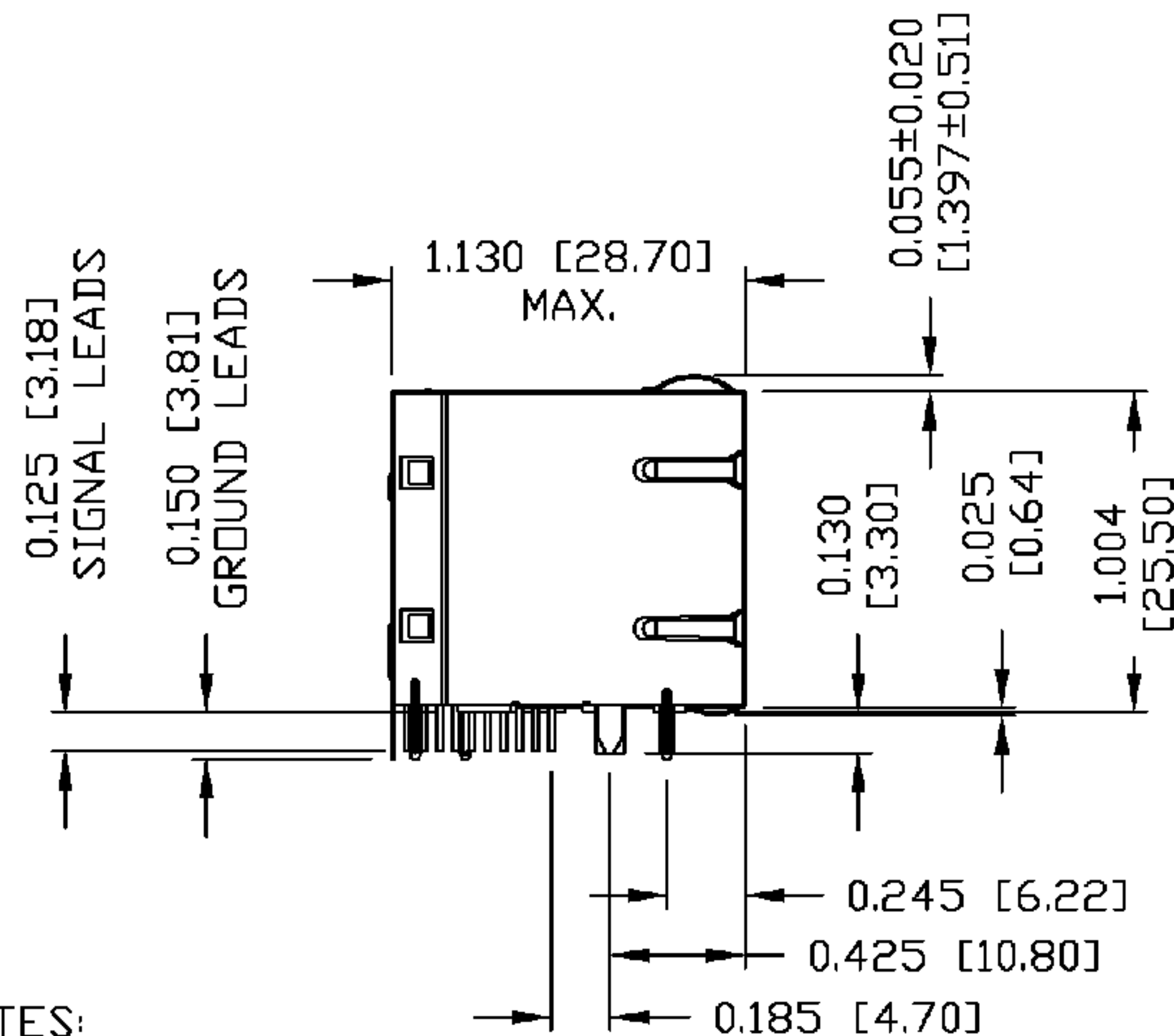
HIPOT (Isolation Voltage):

1500 Vrms or 2250VDC

SCHEMATIC



ORIGINATED BY	DATE	TITLE 2X4 gigabit MagJack [®] (12 Cores) 0833-2X4R-33-F	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET	
CHUNG	03-21-06 <td>08332X4R33-F</td> <th>TOL. IN INCH</th> <th>UNIT : INCH [mm]</th> <th>REV. : B</th>		08332X4R33-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : B		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A		SIZE : A4
DE	03-21-06		08332X4R33-FB.DWG	.XX				PAGE : 2
			.XXX					



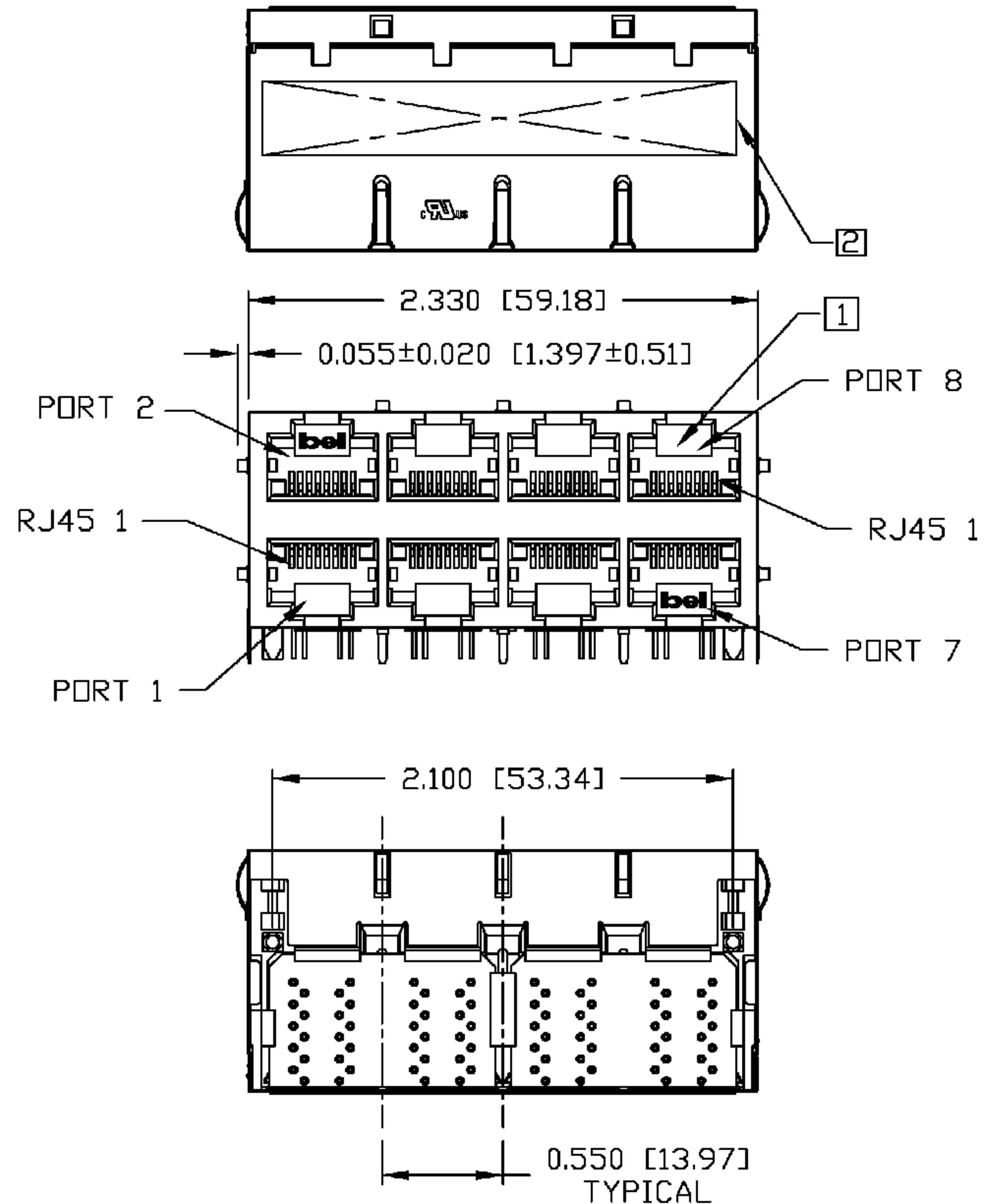
NOTES:

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.

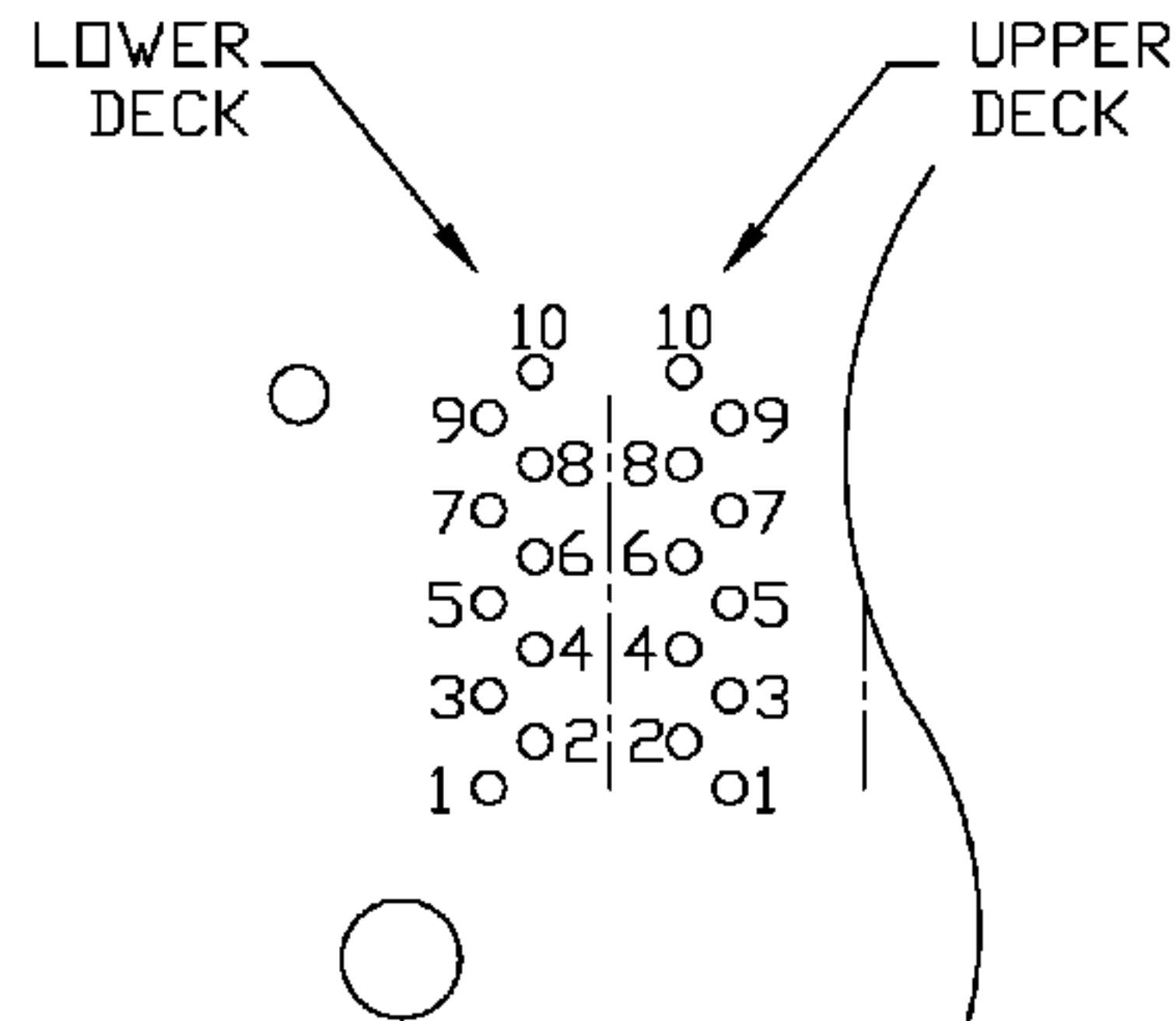
- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.
[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

cULus UL RECOGNIZED - FILE #E196366 AND E169987.



ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
QIN/KEUNG		03-21-06	2X4 gigabit MagJack® (12 Cores) 0833-2X4R-33-F	08332X4R33-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY		DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
LING		03-21-06		08332X4R33-FB.DWG	.XX .XXX	±0.010	PAGE : 3

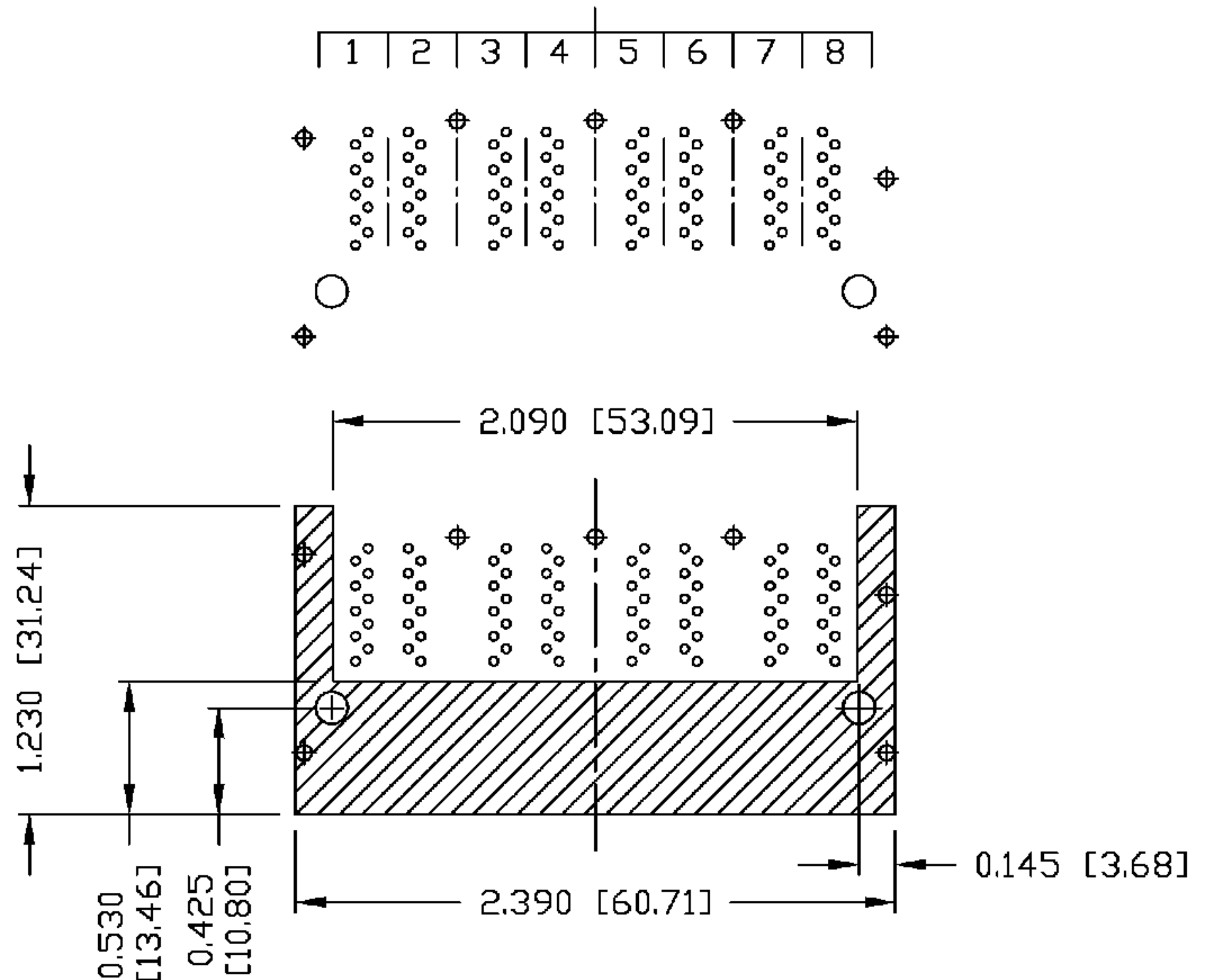




PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

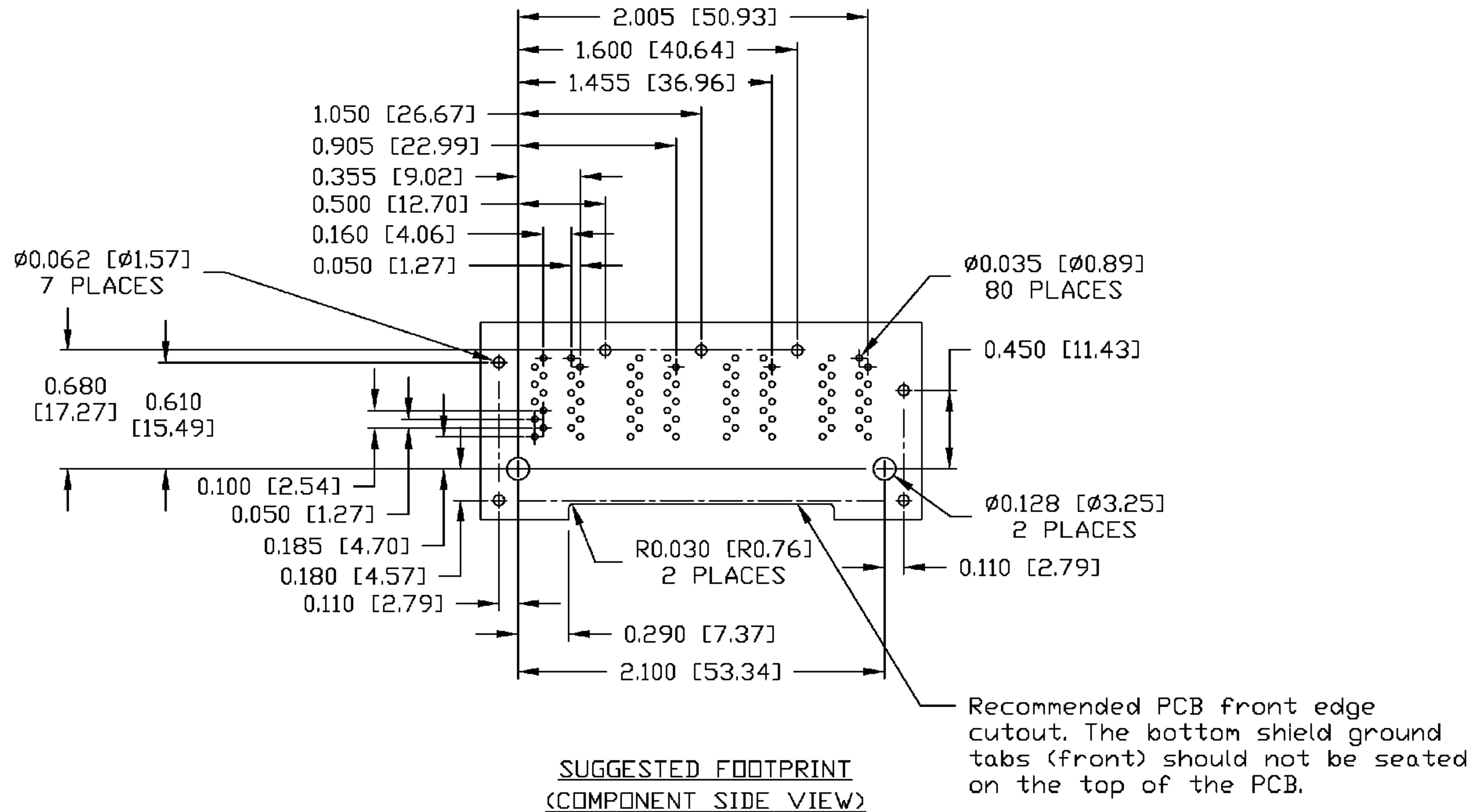
10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



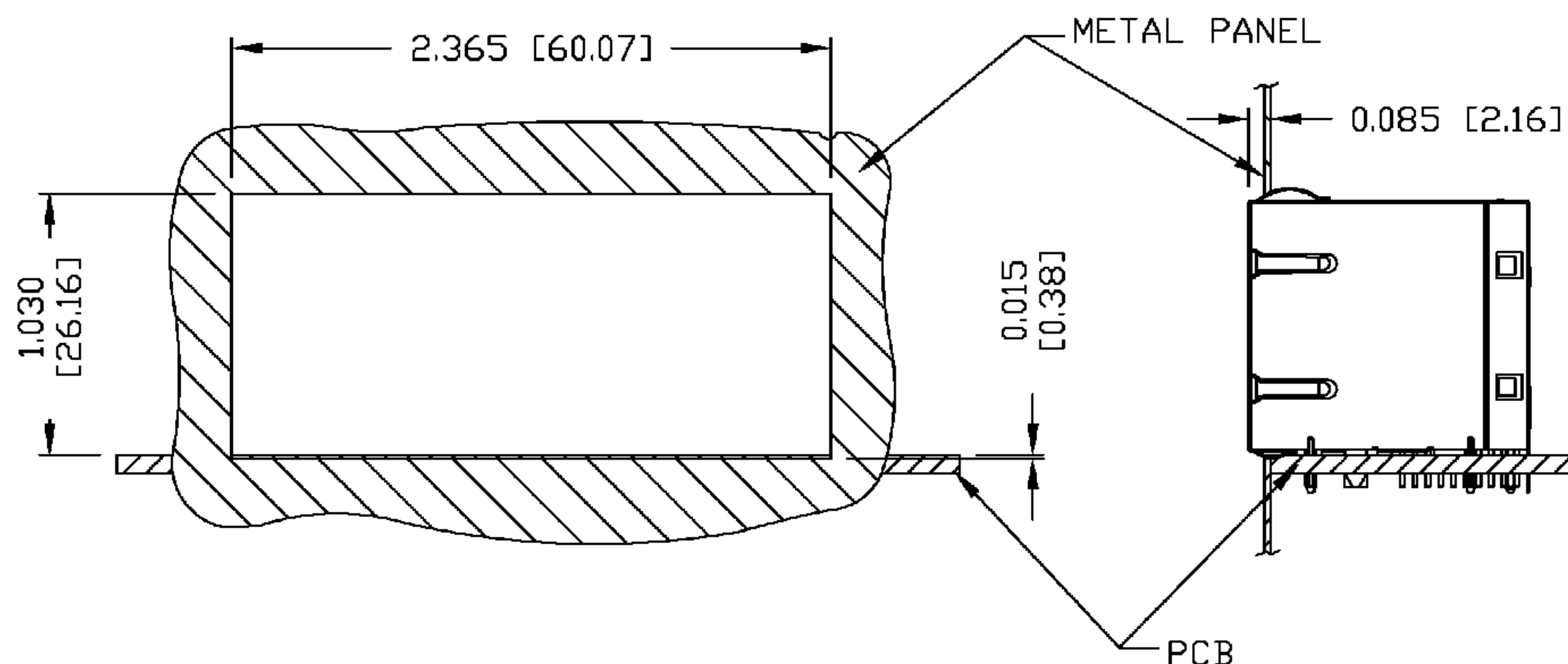
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY	DATE	TITLE 2X4 gigabit MagJack® (12 Cores) 0833-2X4R-33-F	PART NO. / DRAWING NO. 08332X4R33-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
QIN/KEUNG	03-21-06		FILE NAME 08332X4R33-FB.DWG	.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4	
LING	03-21-06			.XXX	±0.004		PAGE : 4	



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
QIN/KEUNG	03-21-06	2X4 gigabit MagJack® (12 Cores) 0833-2X4R-33-F	08332X4R33-F	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
LING	03-21-06		08332X4R33-FB.DWG	.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. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
QIN/KEUNG	03-21-06	2X4 gigabit MagJack® (12 Cores) 0833-2X4R-33-F	08332X4R33-F	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
LING	03-21-06		08332X4R33-FB.DWG	.XXX ±0.004	⊕ -- --	PAGE : 6