



ELECTRICAL CHARACTERISTICS @ 25°C

URNS 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

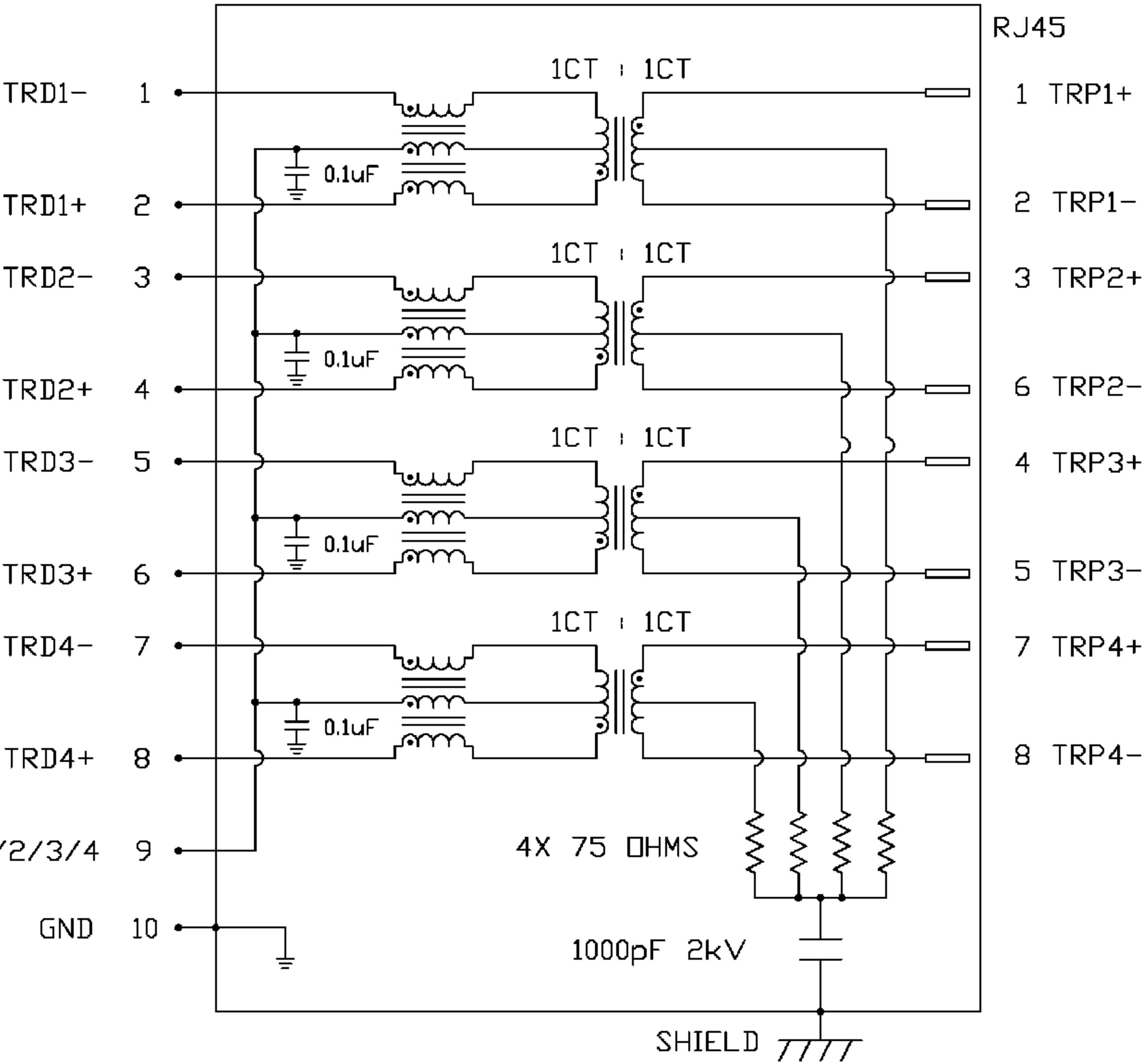
RET. LOSS (MIN)	
0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

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
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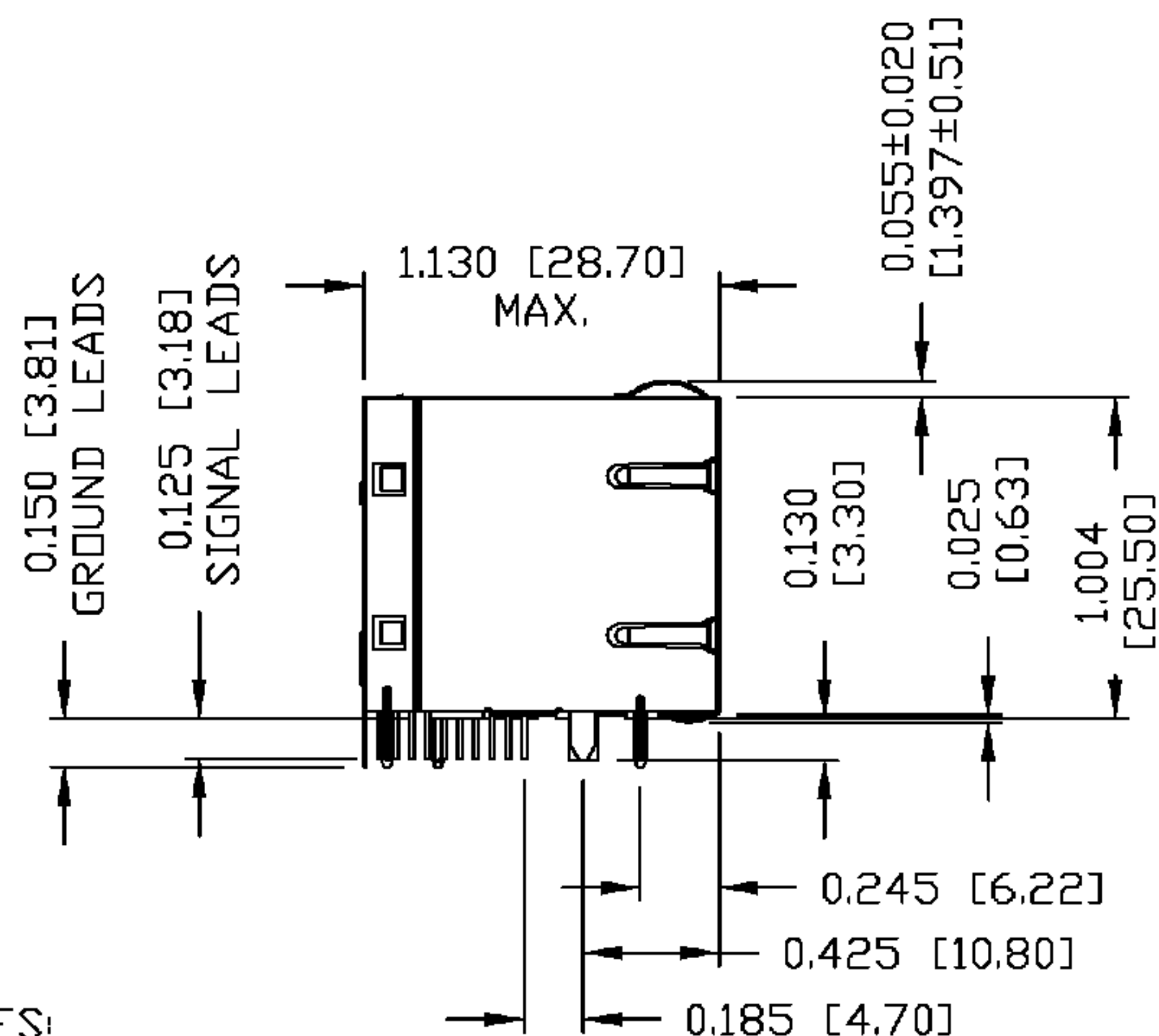
SCHEMATIC



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


COMPONENTS FOR A
CONNECTED
PLANET





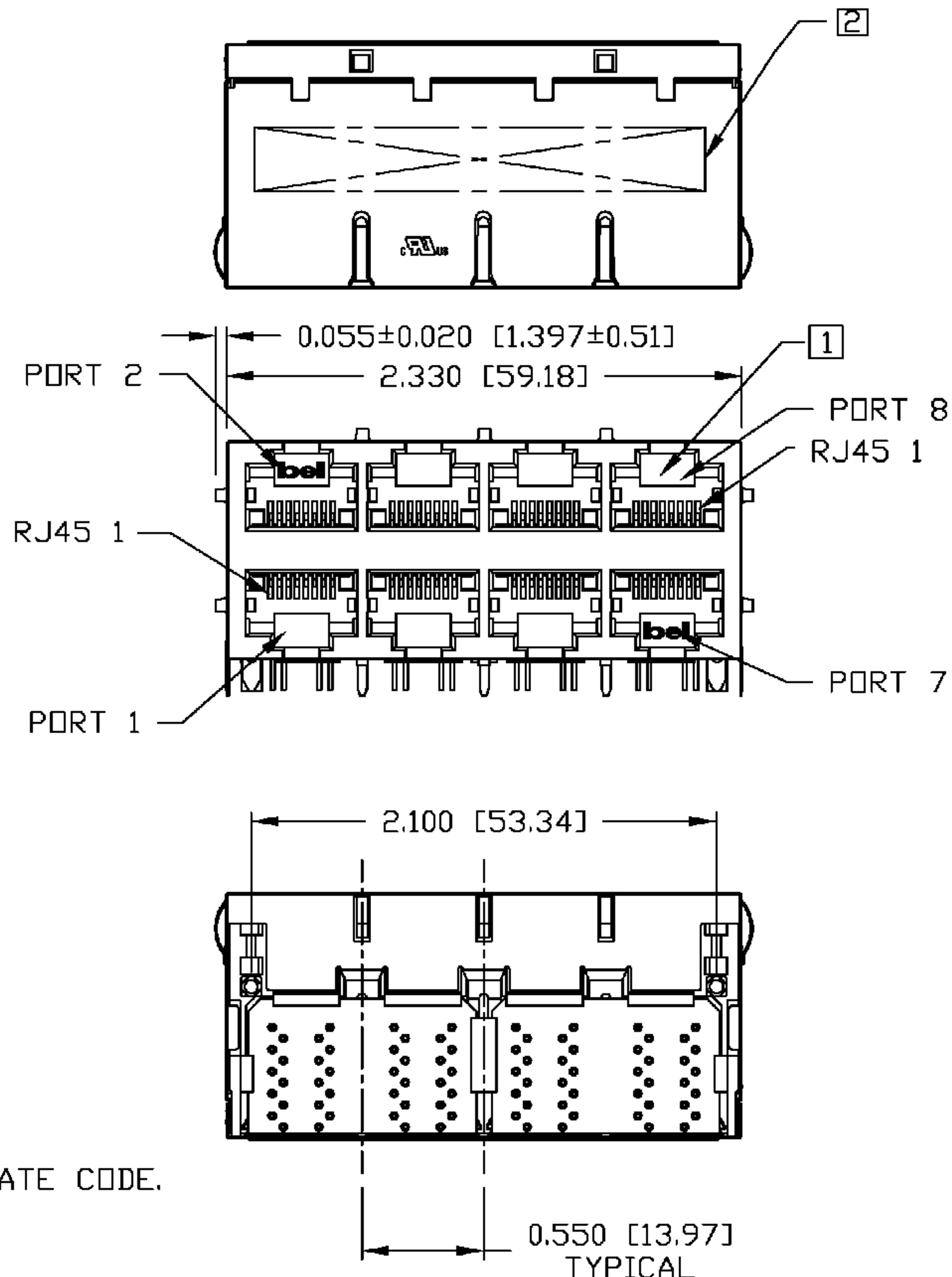
NOTES:

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)

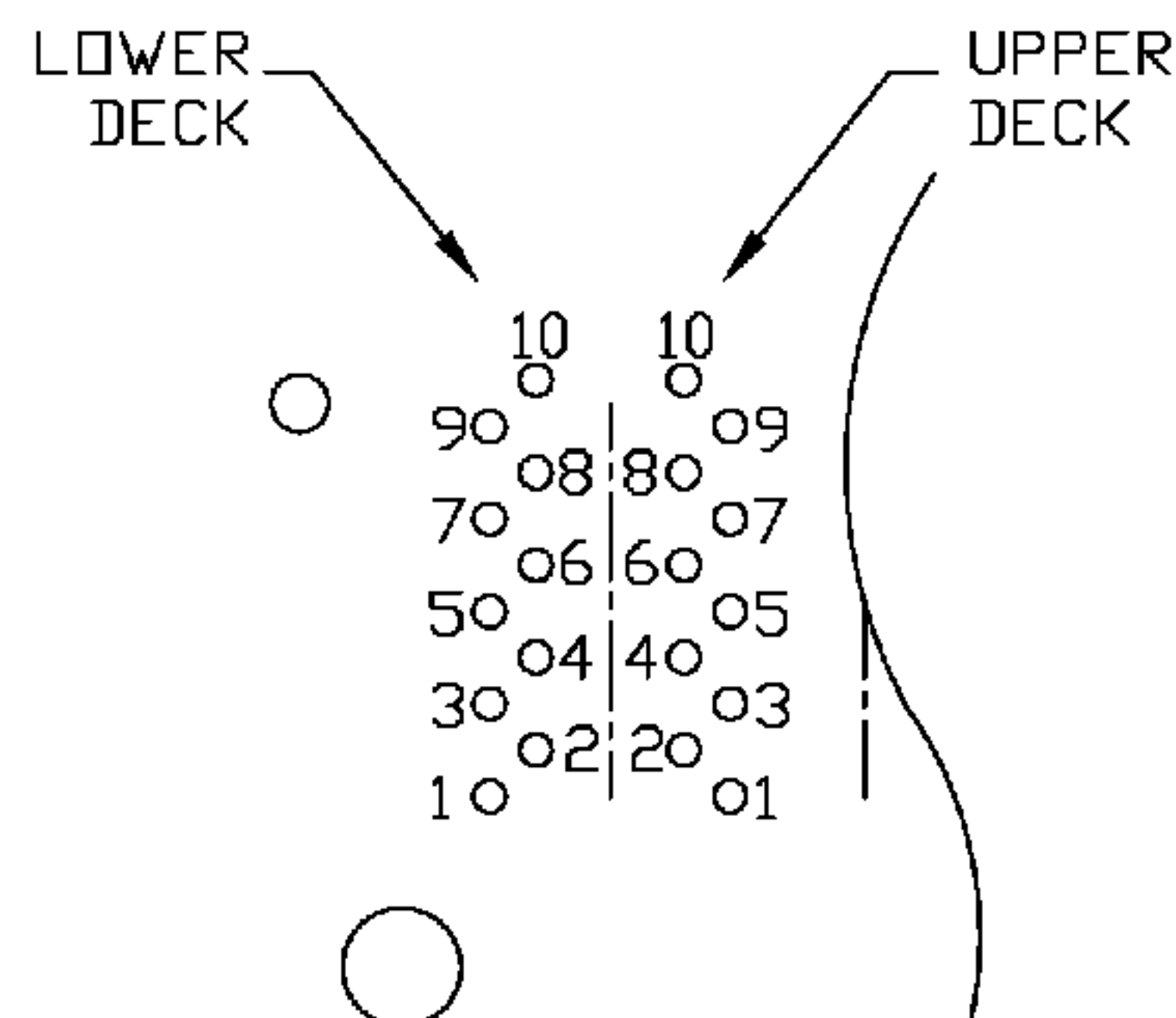
- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

UL UL RECOGNIZED - FILE #E196366 AND E169987.

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



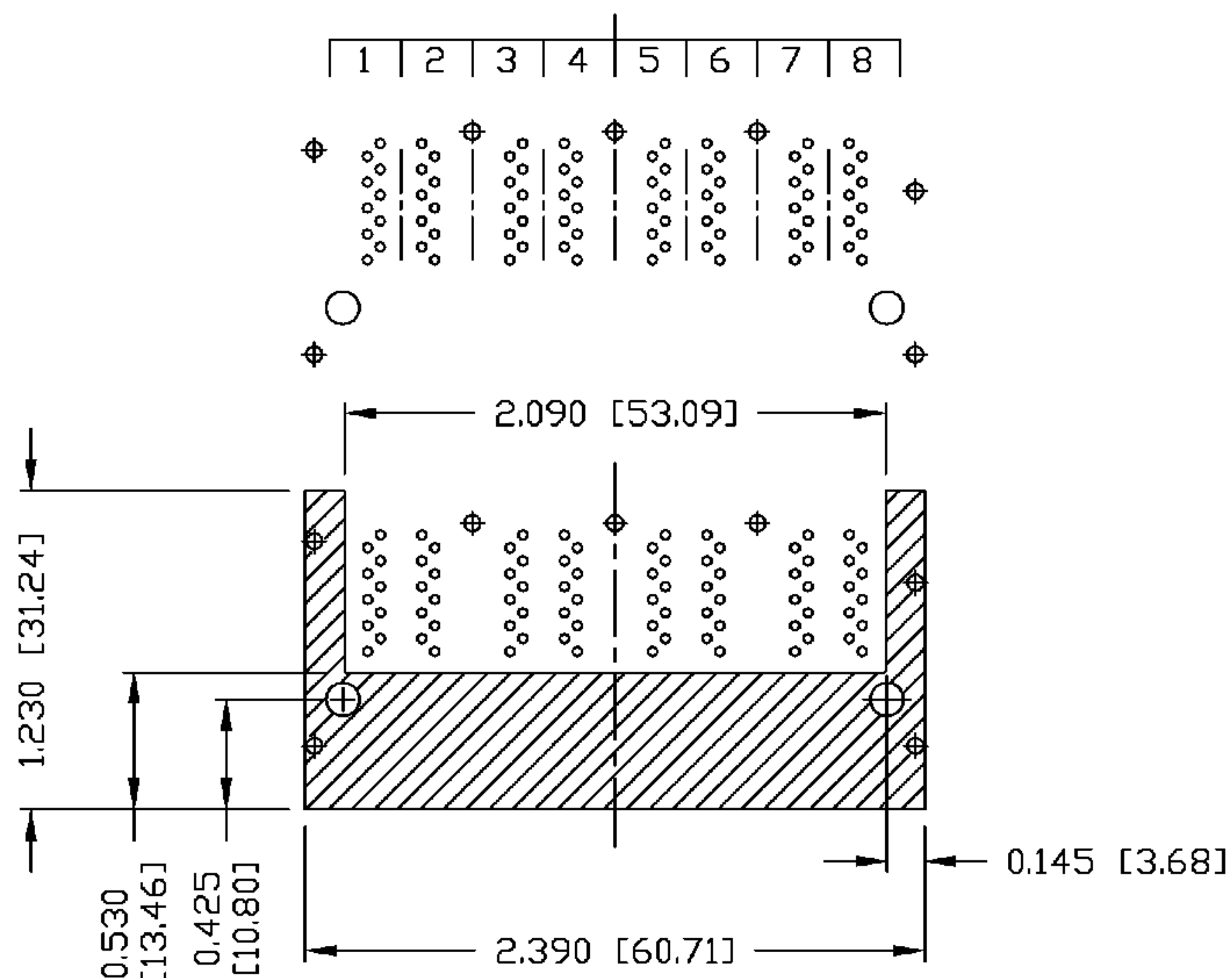
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
QIN/KEUNG	03-21-06	2X4 gigabit MagJack® (8 Cores) 0833-2X4R-54-F	08332X4R54-F FILE NAME 08332X4R54-FB.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 3
LING	03-21-06			.XXX	±0.010		



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

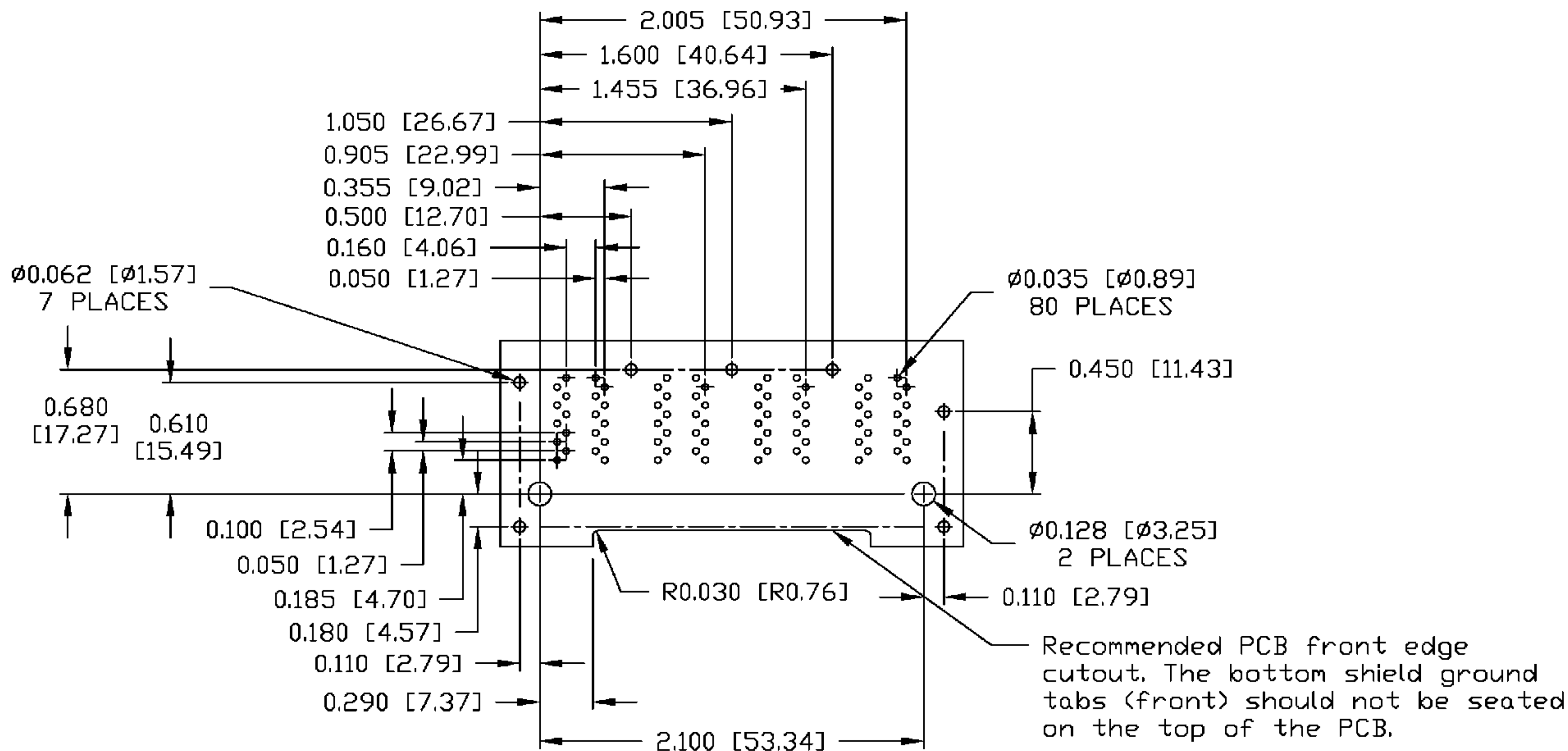
10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

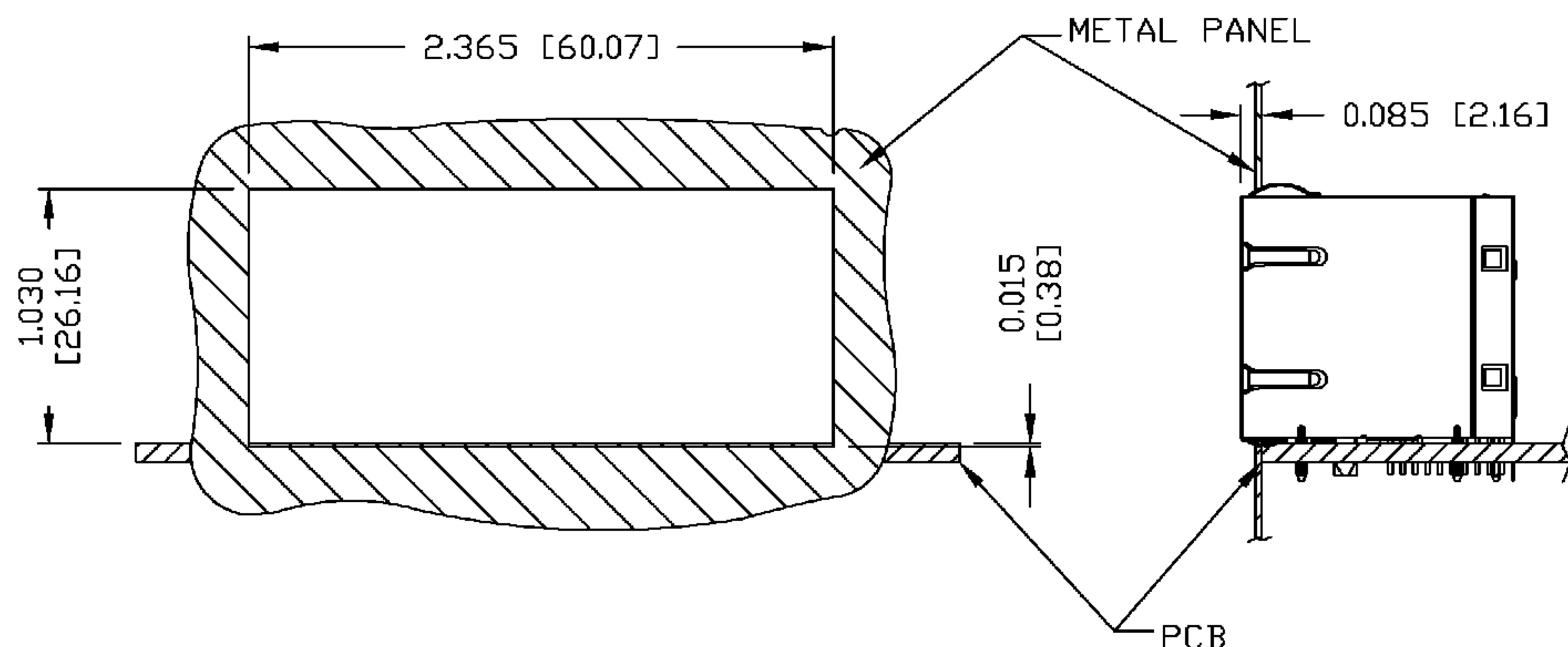
ORIGINATED BY BILL/KEUNG	DATE 03-21-06	TITLE 2X4 gigabit MagJack® (8 Cores) 0833-2X4R-54-F	PART NO. / DRAWING NO. 08332X4R54-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : B
DRAWN BY LING	DATE 03-21-06		FILE NAME 08332X4R54-FB.DWG		SCALE : N/A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

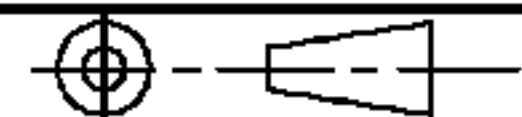
PACKING TRAY : 0200-0148-46 (TOP)

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)

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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
LING	03-21-06		08332X4R54-FB.DWG	.XXX ±0.004		PAGE : 6