

PRELIMINARY

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

DCL @ 100kHz/100mVRMS 350µH MIN.
8mA DC BIAS (0°C - 70°C)

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) @ 100ΩHMS ±15%

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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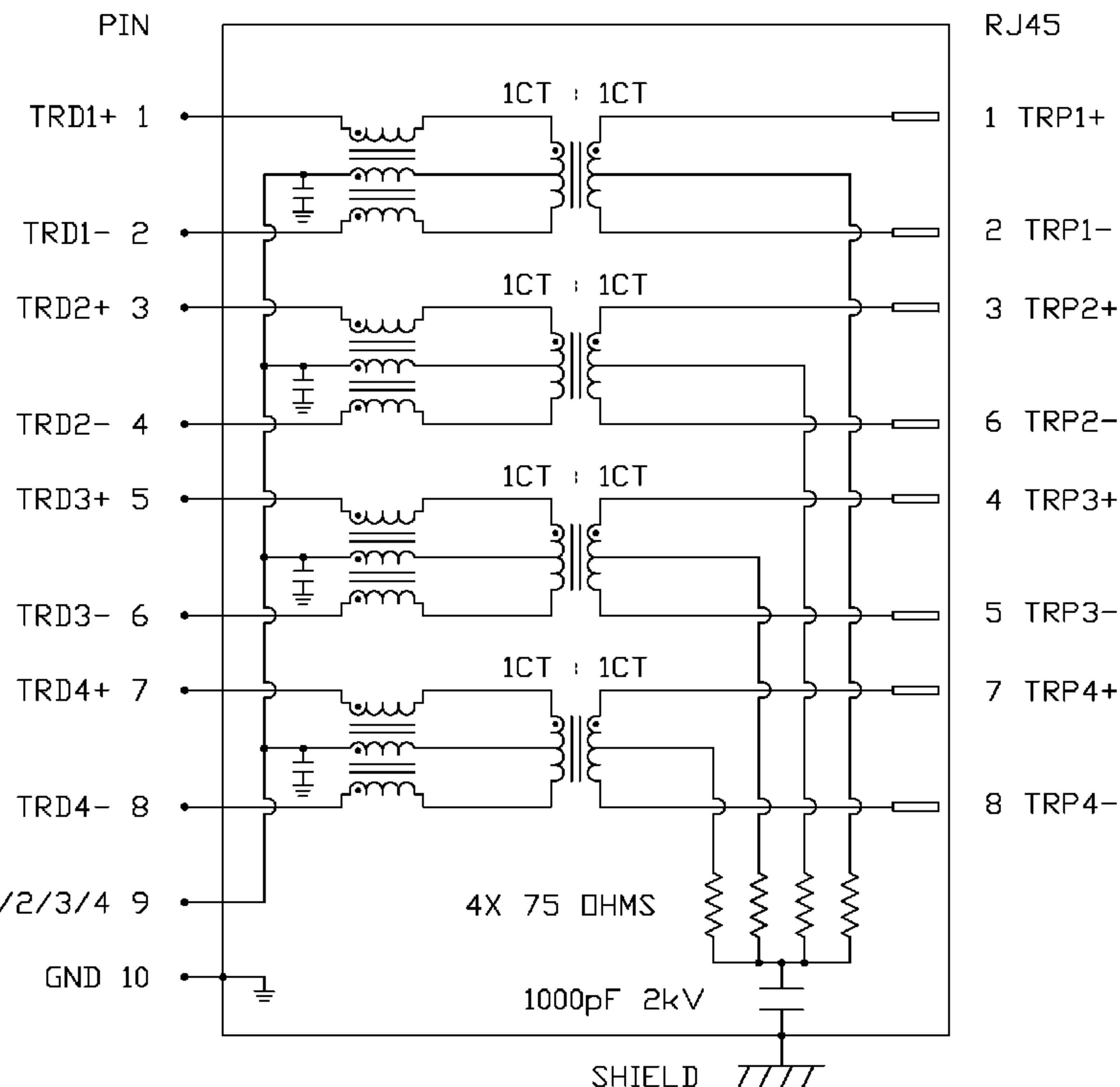
HIPOT (Isolation Voltage):

1500 Vrms or 2250 VDC

100% OF PRODUCT TESTED IN PRODUCTION

TO COMPLY WITH IEEE 802.3 REQUIREMENTS

SCHEMATIC

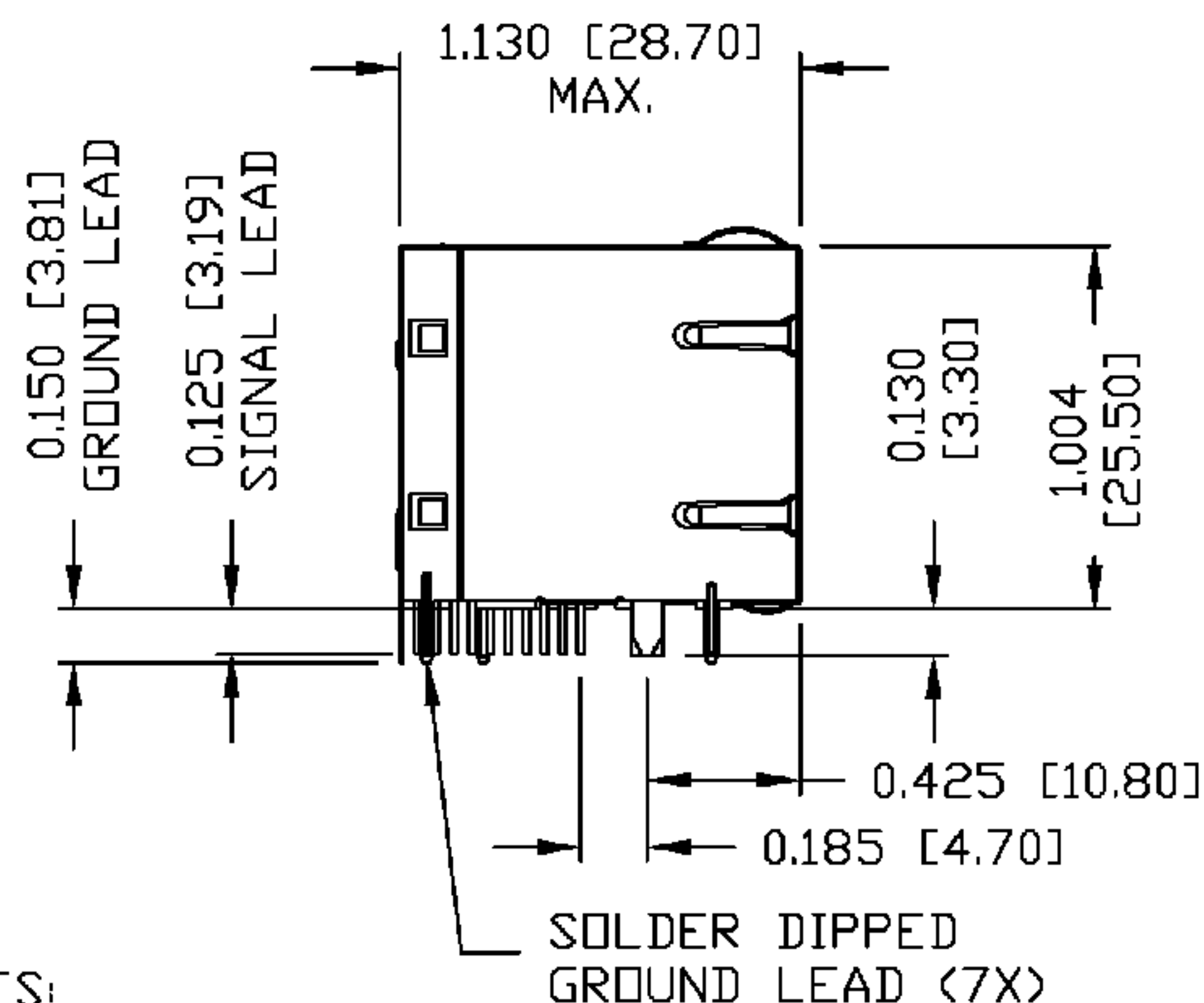


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHUNG	06-07-05	2X4 gigabit MagJack® (8 Cores)	0833-2X4R-C1	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A REV. : PA SIZE : A4 PAGE : 2
DRAWN BY	DATE		FILE NAME		
DE	06-07-05		08332X4RC1PA.DWG		

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PRELIMINARY

RoHS
2002/95/EC



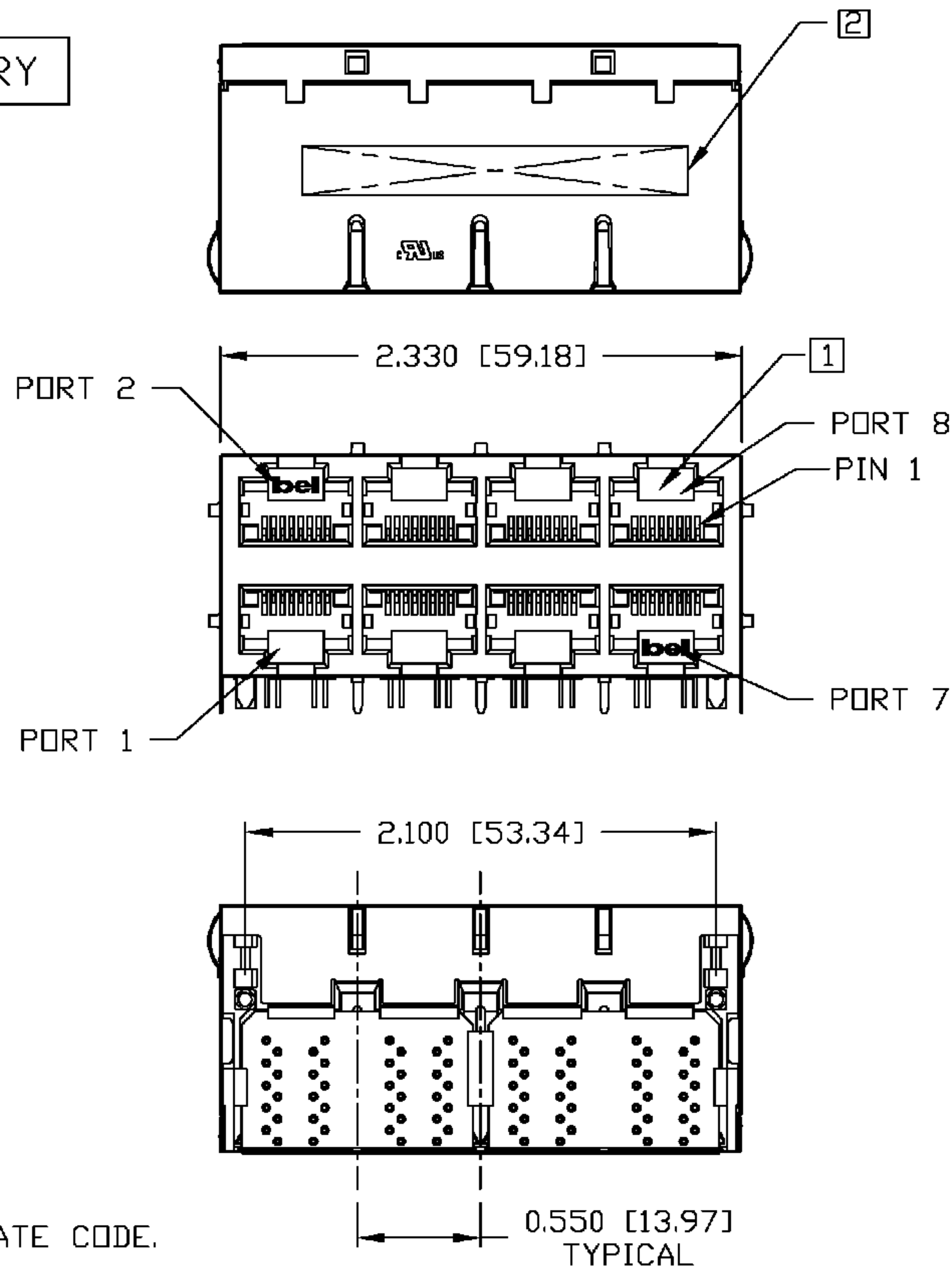
NOTES:

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.

 UL RECOGNIZED - FILE #E196366 AND E169987.

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

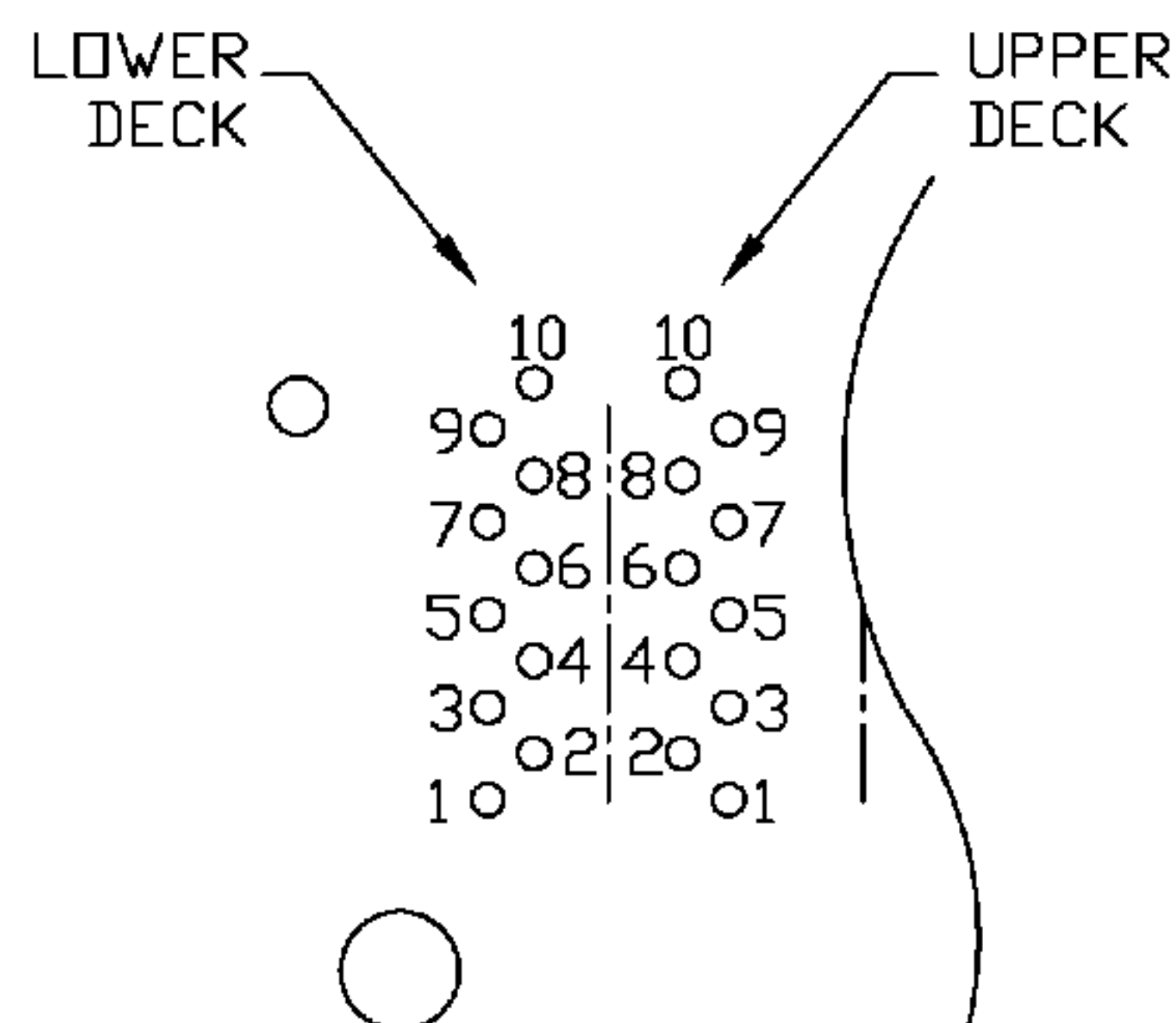


ORIGINATED BY	DATE	TITLE 2X4 gigabit MagJack® (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		
BILL	06-07-05		0833-2X4R-C1	TOL. IN INCH		UNIT : INCH [mm]	REV. : PA	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
QIN	06-07-05		08332X4RC1PA.DWG	.XX			PAGE : 3	
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bel
COMPONENTS FOR A
CONNECTED
PLANET

PRELIMINARY

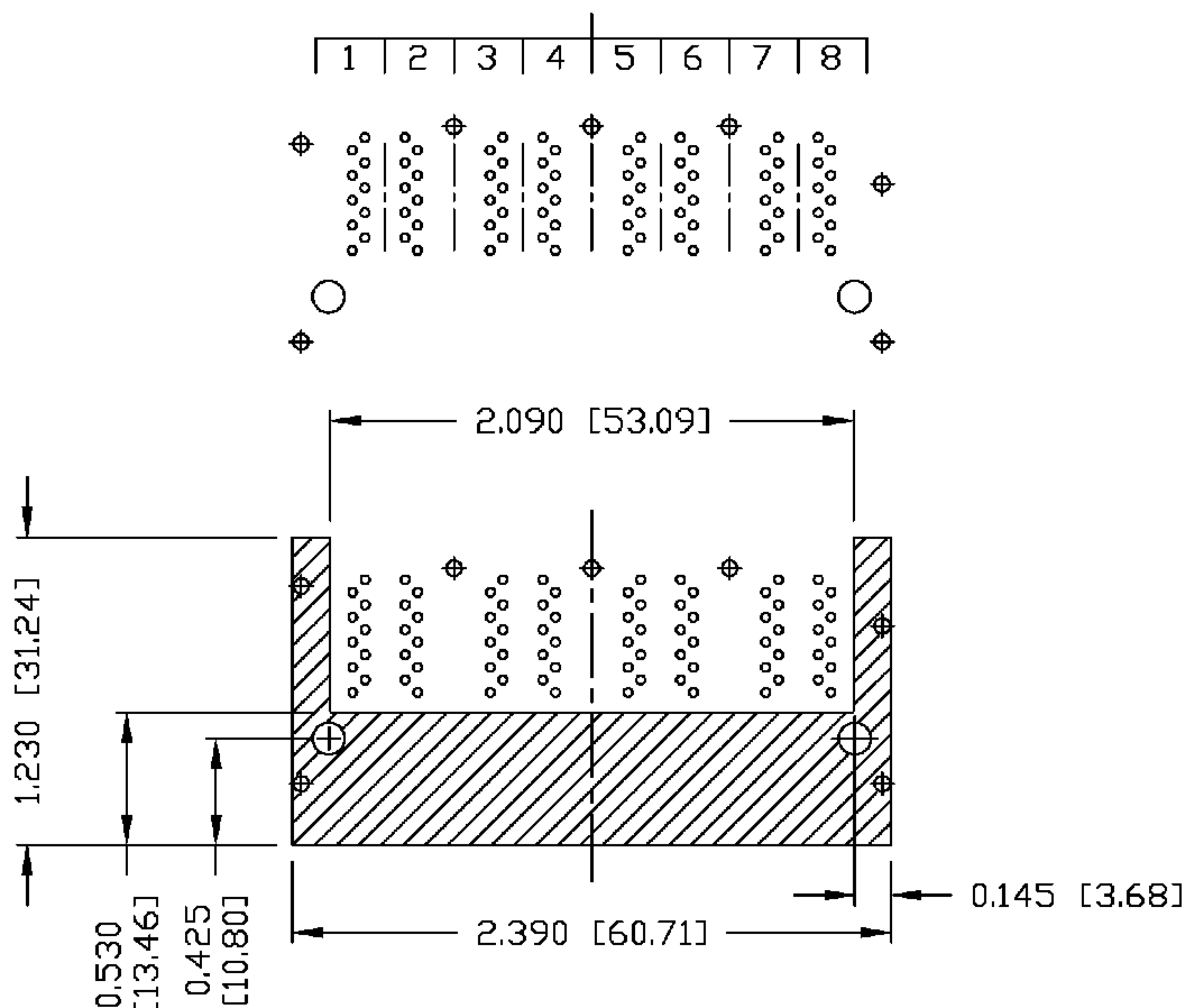
RoHS
2002/95/EC



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+

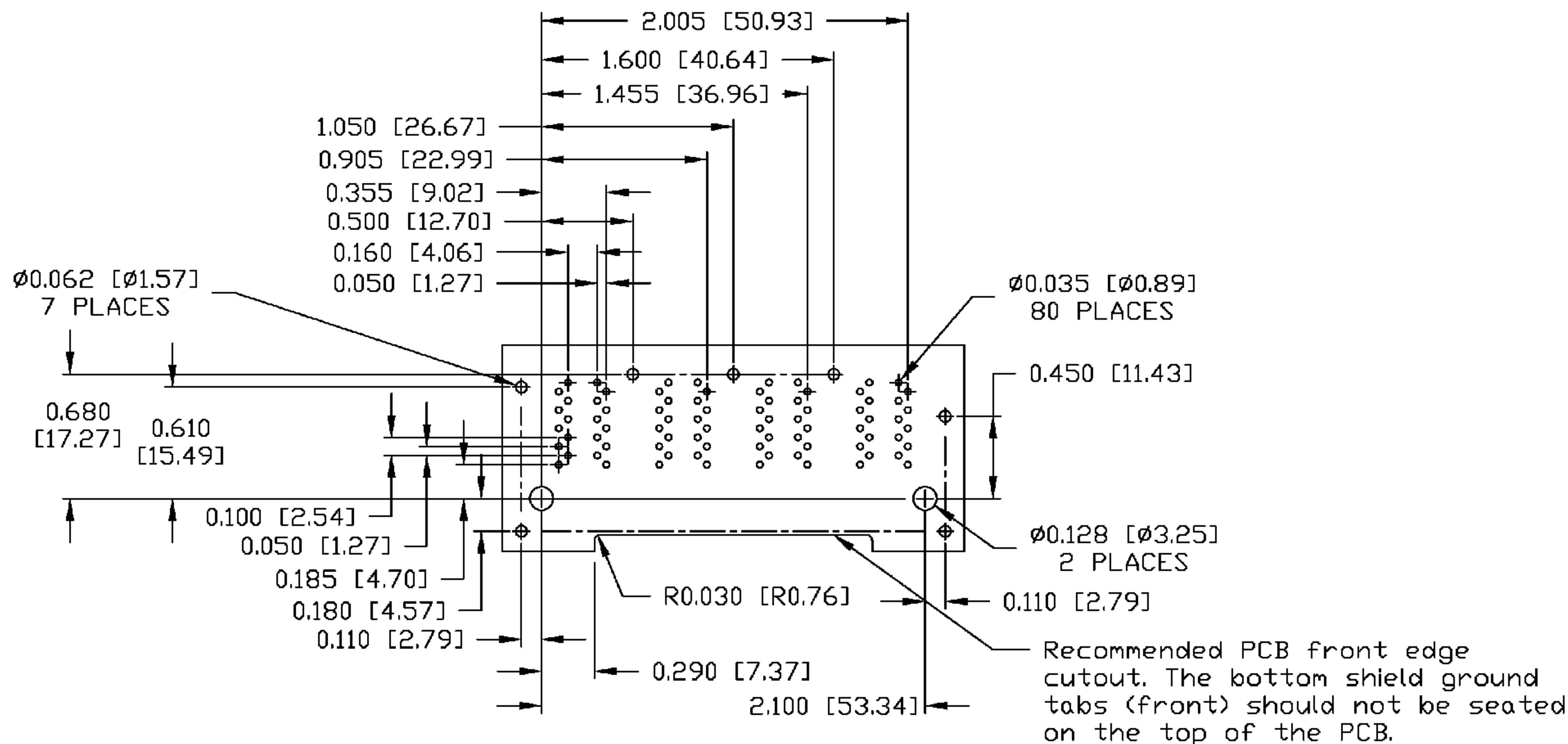
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

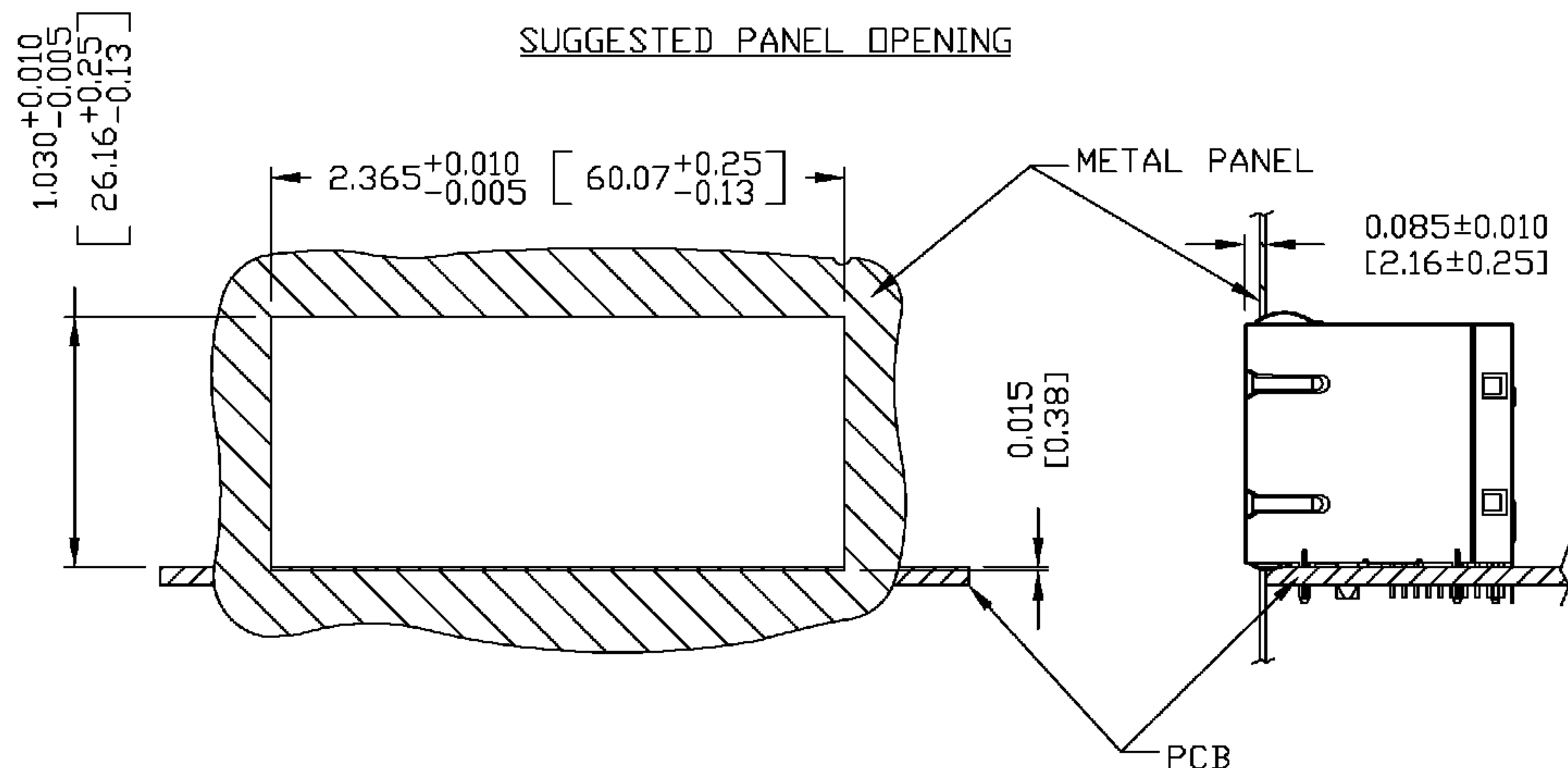
ORIGINATED BY	DATE	TITLE 2X4 gigabit MagJack® (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
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QIN	06-07-05		08332X4RC1PA.DWG	.XX			PAGE : 4	
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COMPONENTS FOR A
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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

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QIN	06-07-05		08332X4RC1PA.DWG	.XXX	PAGE : 5



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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