

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

8mA DC BIAS

350 μ H 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 REFJ

100kHz - 100MHz -35 dB MIN

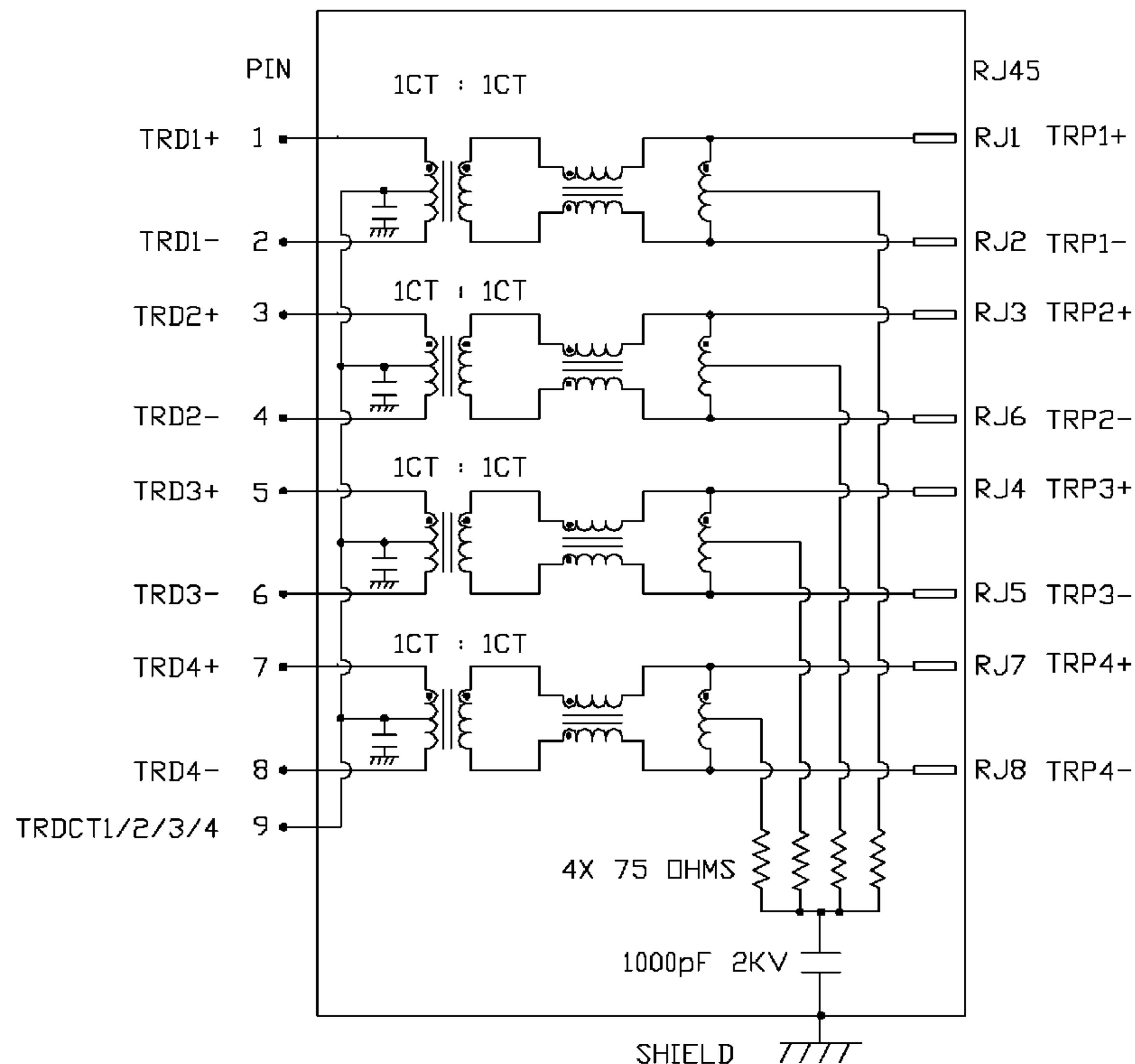
HIPOT (Isolation Voltage)

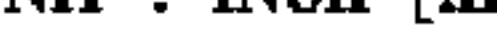
1500 V_{rms}

NOTES:

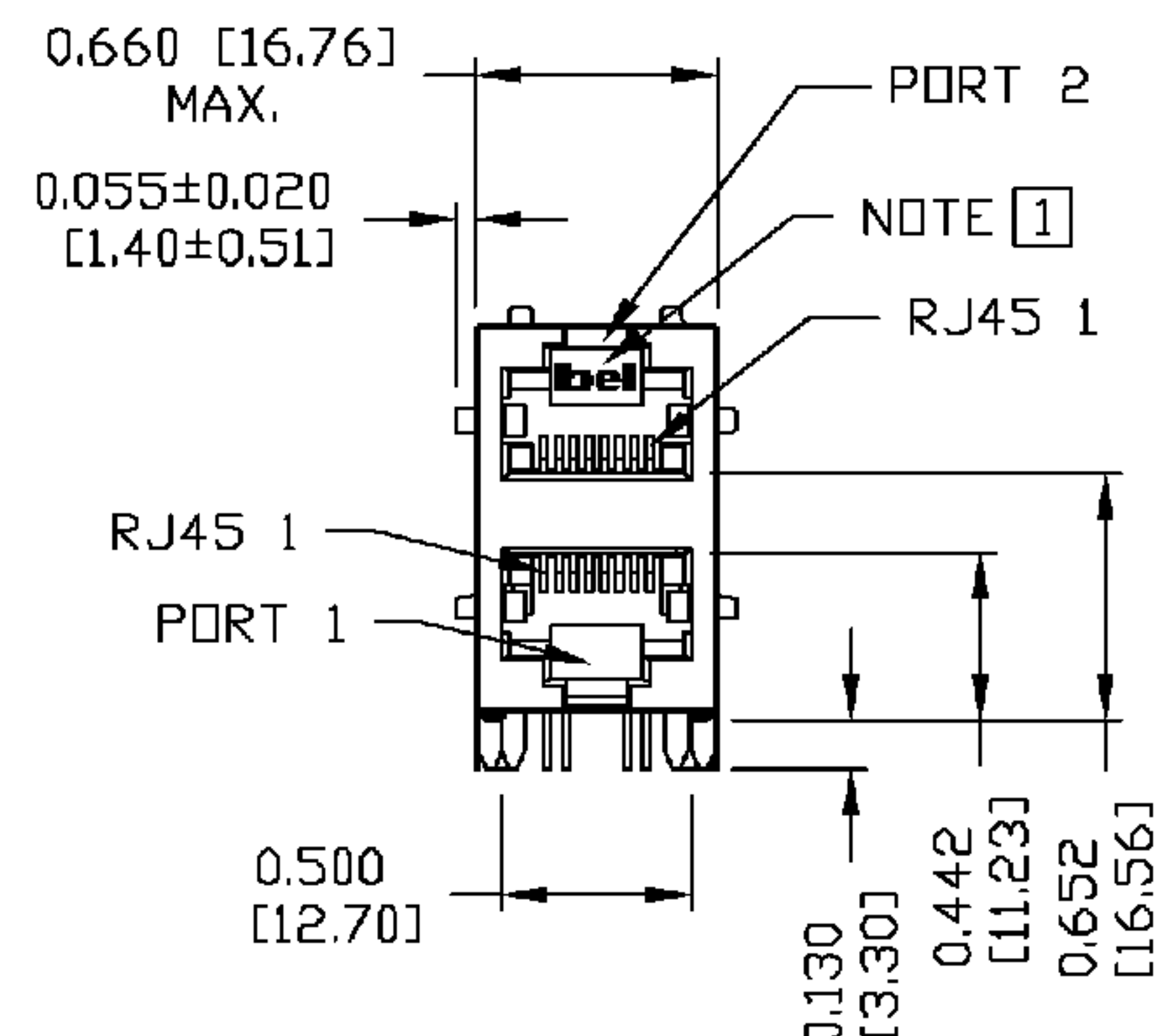
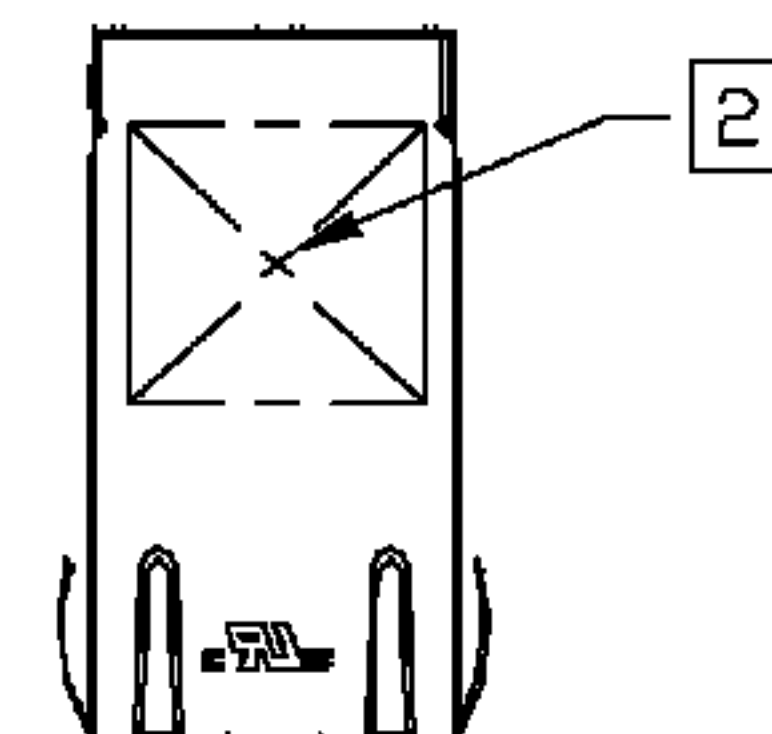
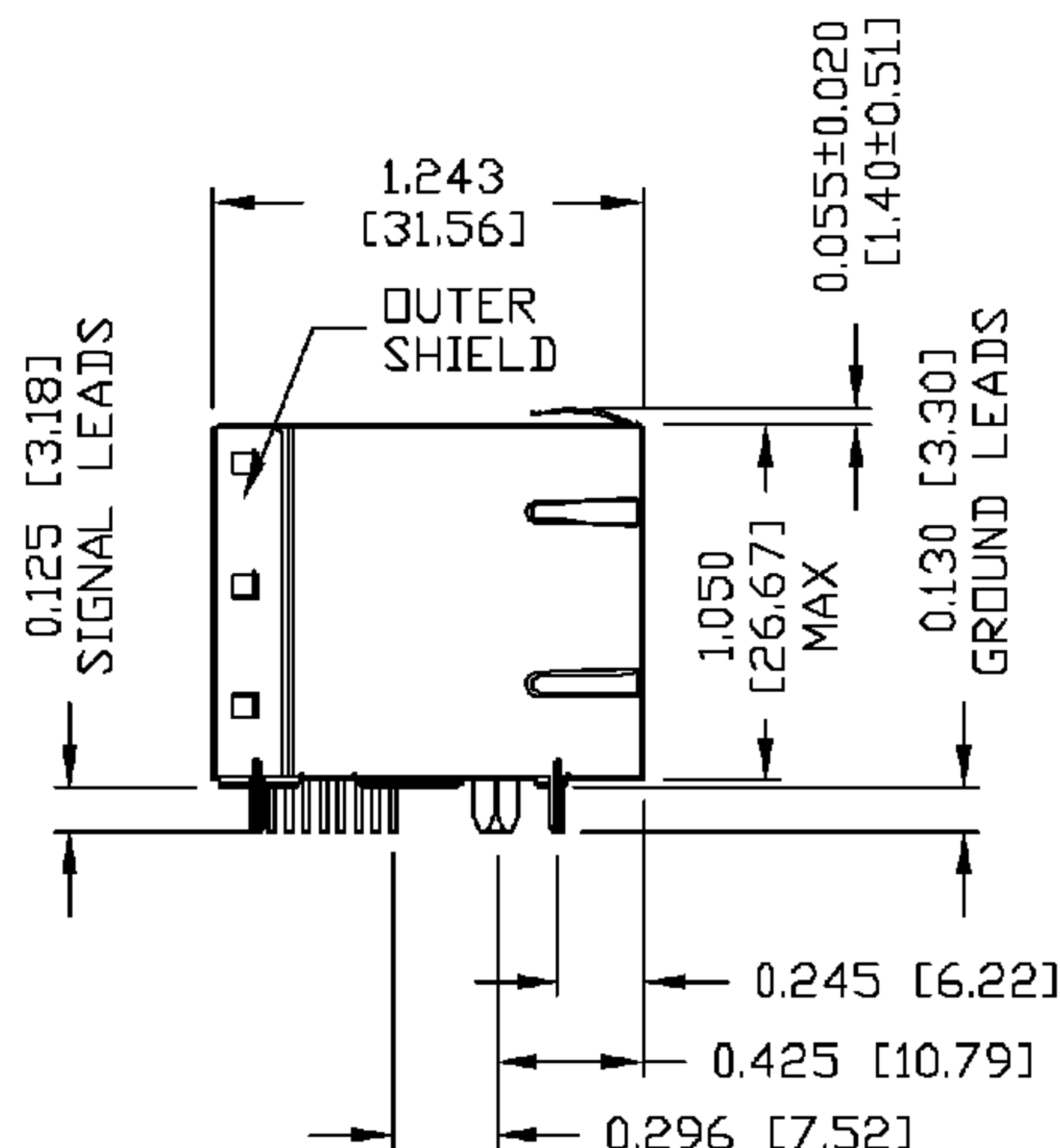
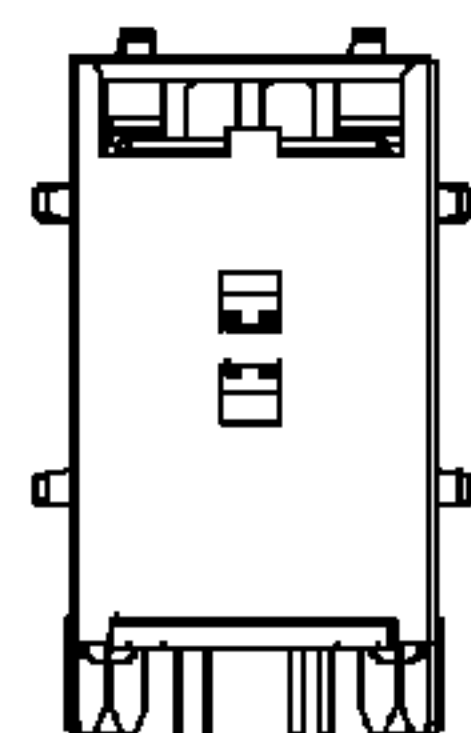
SCHEMATIC & ELECTRICAL CHARACTERISTICS ARE IDENTICAL FOR PORT 1 & PORT 2.

SCHEMATIC FOR EACH PORT



ORIGINATED BY	DATE	TITLE 2X1 gigabit MagJack® (12 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET™
CHUNG	11-07-05		0833-2X1T-33	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DE	11-07-05		08332X1T33B.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 COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

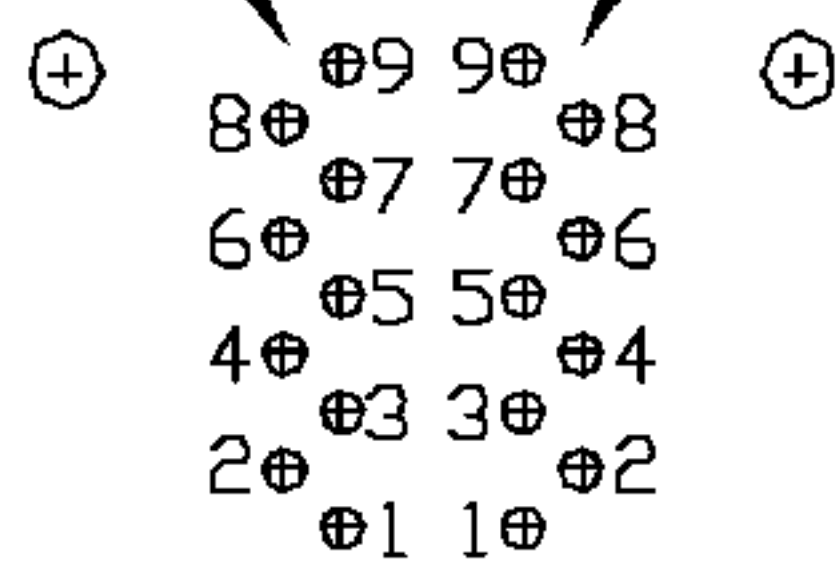
- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
 - [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
- c  US UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
BILL	11-07-05	2X1 glgablt MagJack® (12 Cores)	0833-2X1T-33	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
QIN	11-07-05		08332X1T33B.DWG	.XXX ±0.010		PAGE : 3



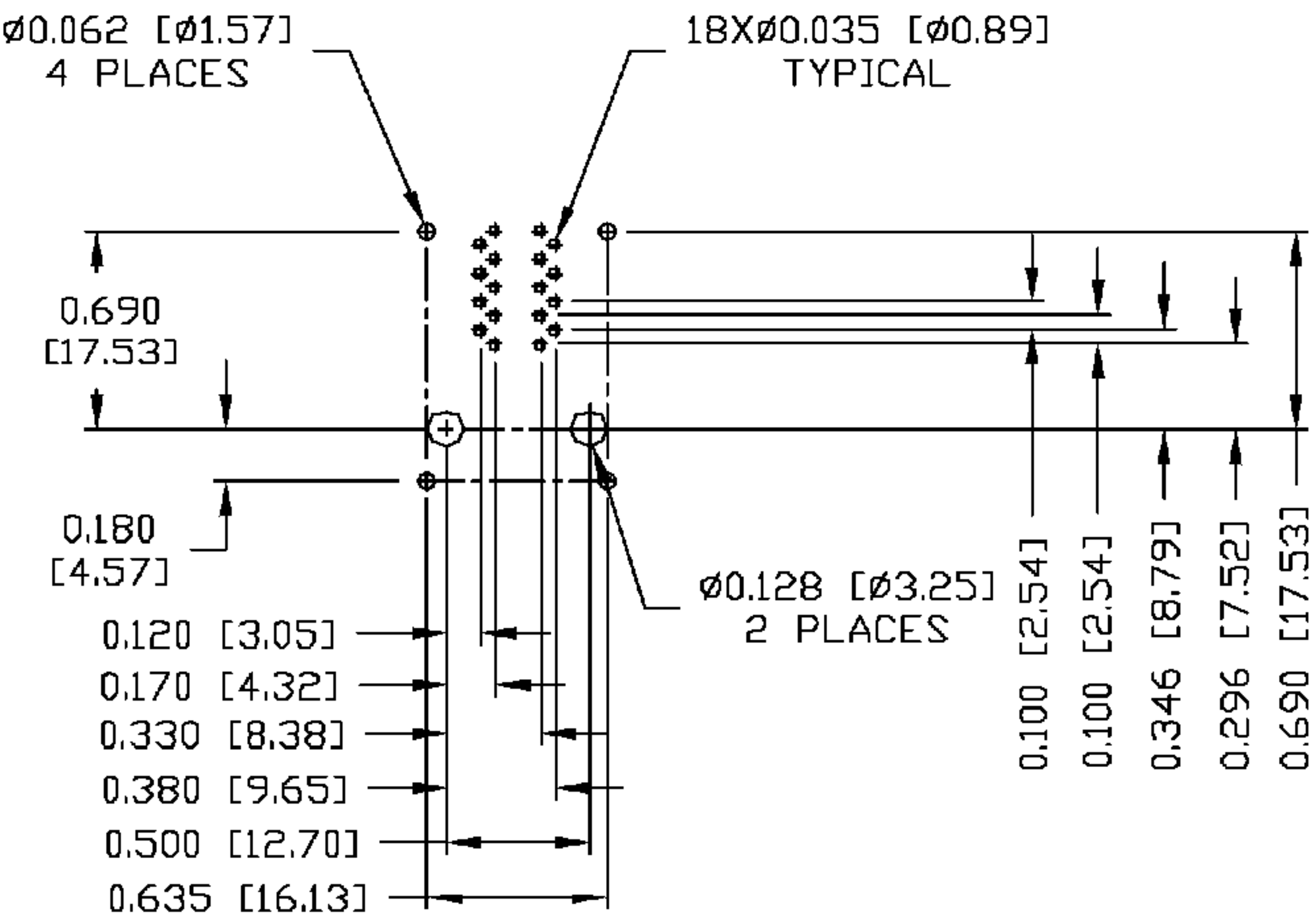
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PORT 1 PORT 2



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

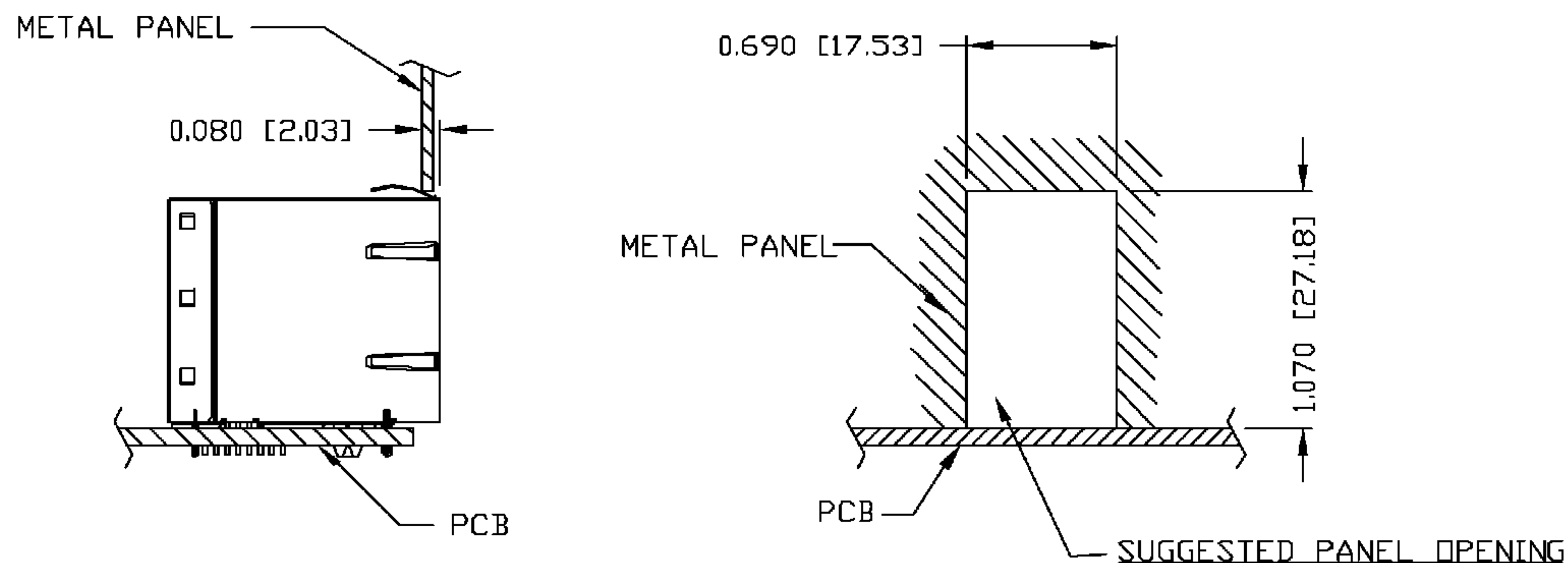
1	TRD 1+
2	TRD 1-
3	TRD 2+
4	TRD 2-
5	TRD 3+
6	TRD 3-
7	TRD 4+
8	TRD 4-
9	TRCT 1/2/3/4



SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
BILL	11-07-05	2X1 gigabit MagJack® (12 Cores)	0833-2X1T-33	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
QIN	11-07-05		08332X1T33B.DWG	.XX		PAGE : 4
				.XXX	±0.004	

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NOTE:

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: 0200-0148-35 (TOP)
0200-0148-34 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY

7 TRAYS (280 PCS FINISH GOODS) PER CARTON BOX.

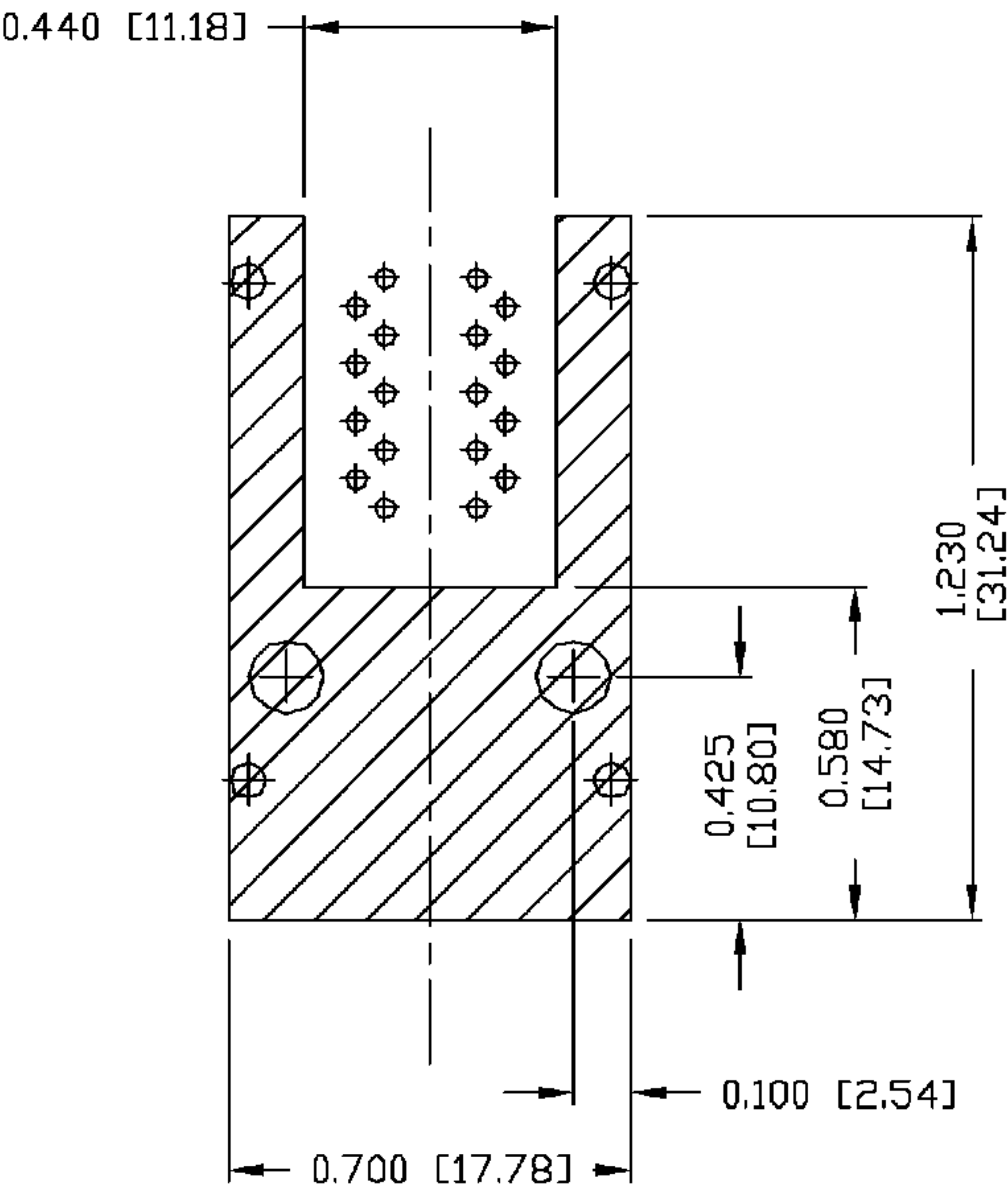
NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.

(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
BILL	11-07-05	2X1 gigabit MagJack® (12 Cores)	0833-2X1T-33	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
QIN	11-07-05		08332X1T33B.DWG	.XXX ±0.004		PAGE : 5

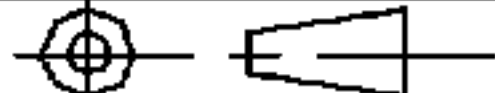


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NOTES:

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

ORIGINATED BY	DATE	TITLE 2X1 gigabit MagJack® (12 Cores)	PART NO. / DRAWING NO. 0833-2X1T-33		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
BILL	11-07-05		FILE NAME		.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		08332X1T33B.DWG		.XX		SCALE : N/A	SIZE : A4	
QIN	11-07-05				.XXX	±0.004		PAGE : 6	