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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

□CL @ 100kHz/100mVRMS

8mA DC BIAS 350mH 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	$-12+20\text{LOG}(f/80\text{MHz})$ dB

CM TO CM REJ

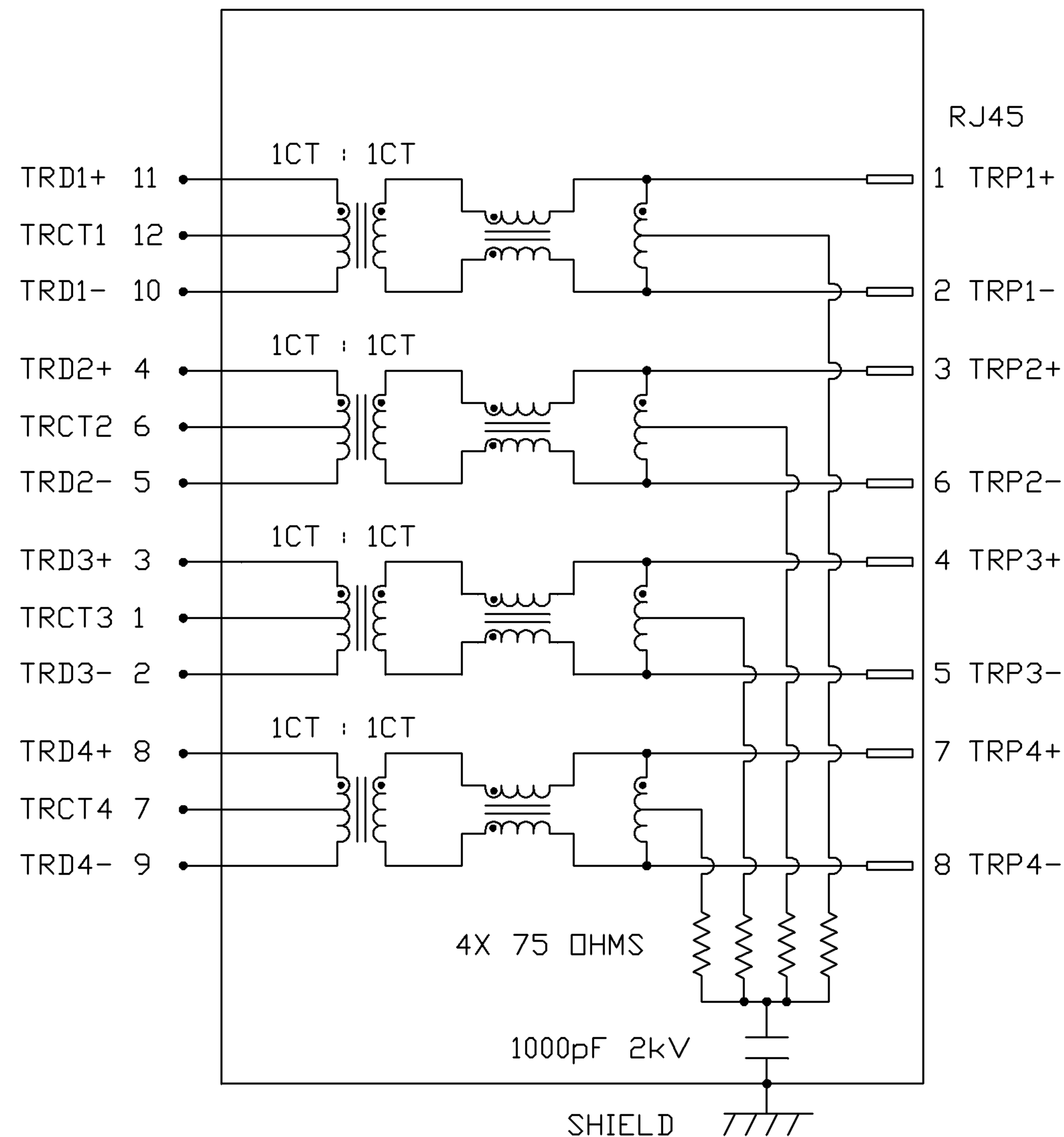
100kHz - 100MHz -30 dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC

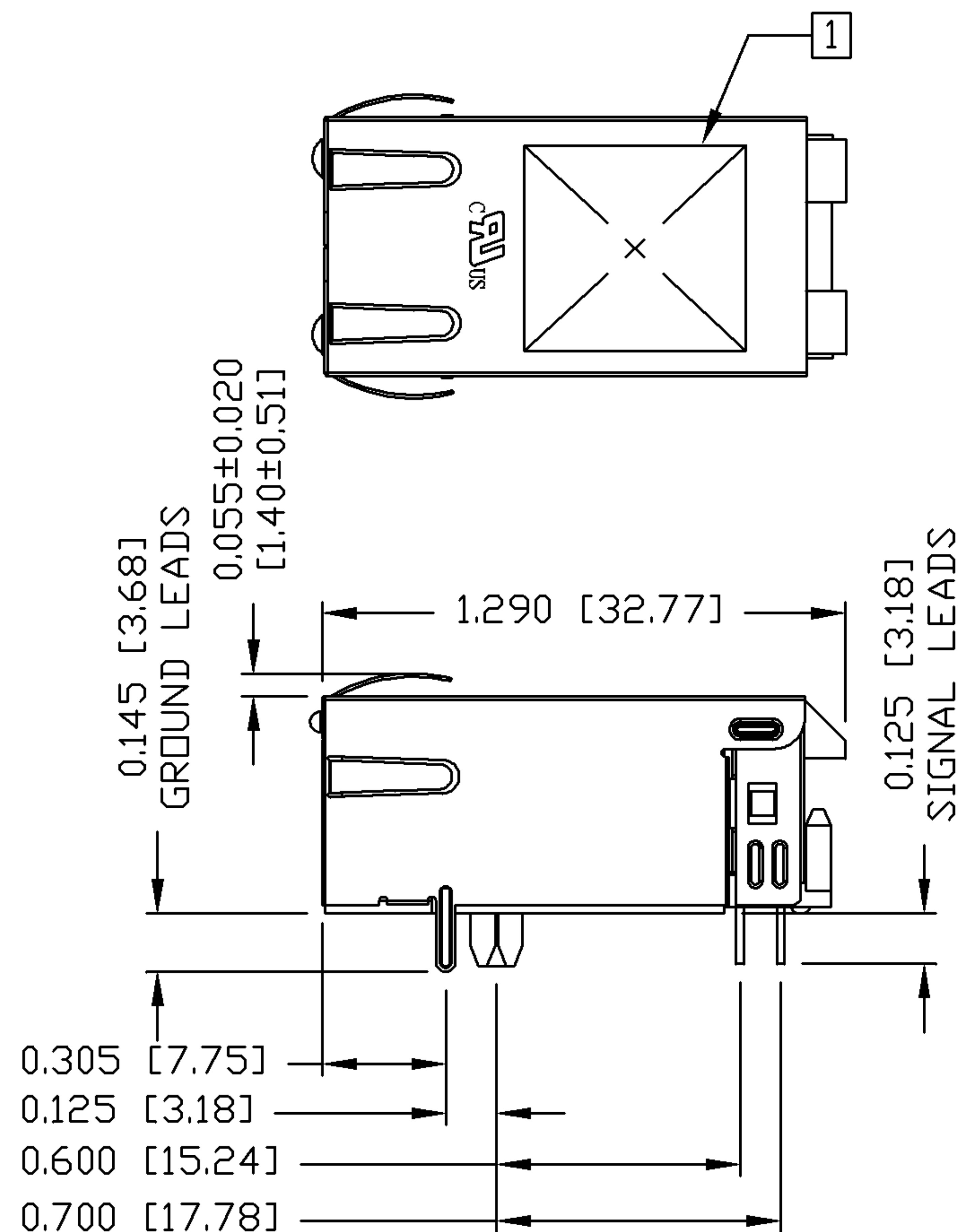
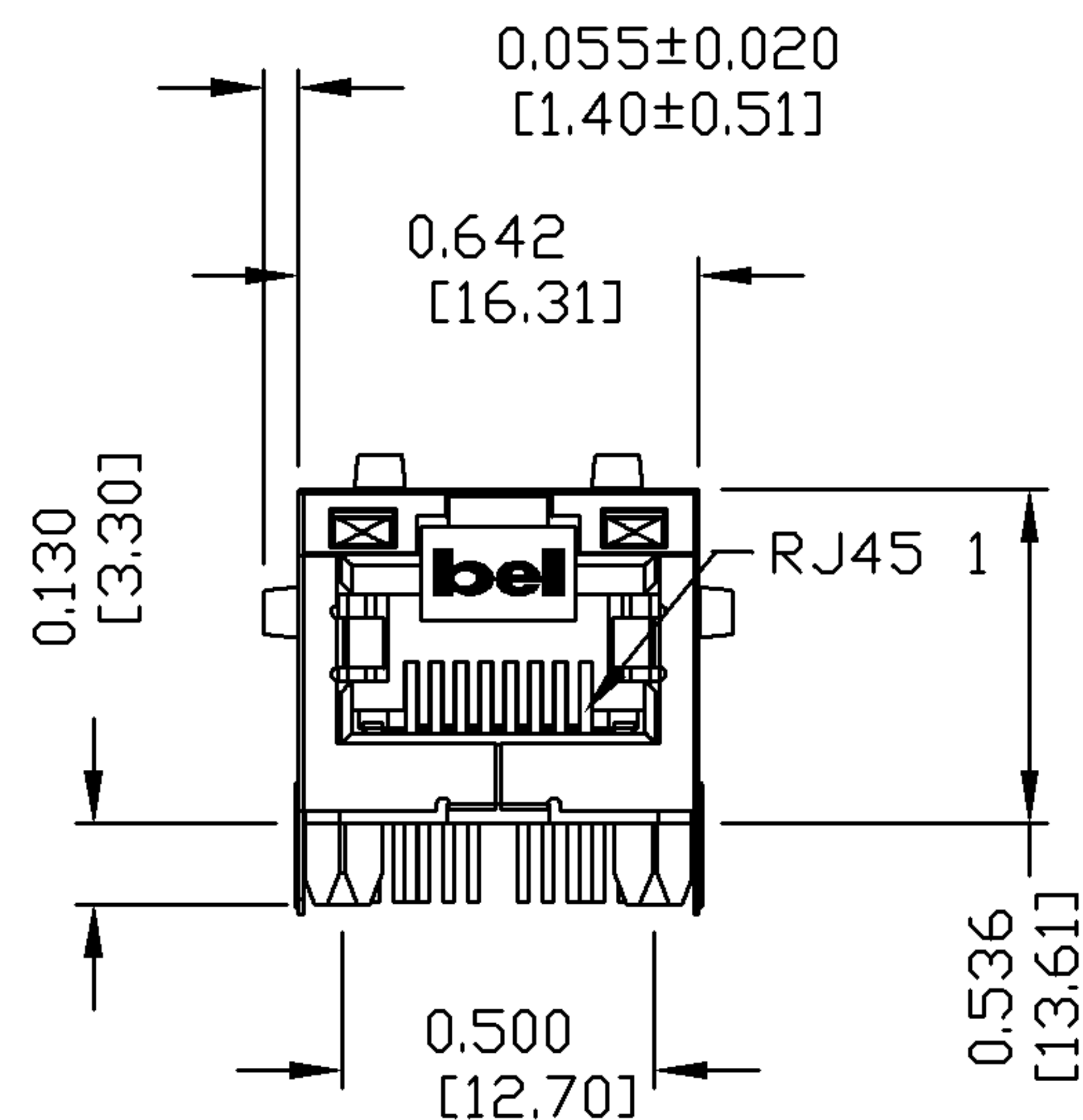
SCHEMATIC



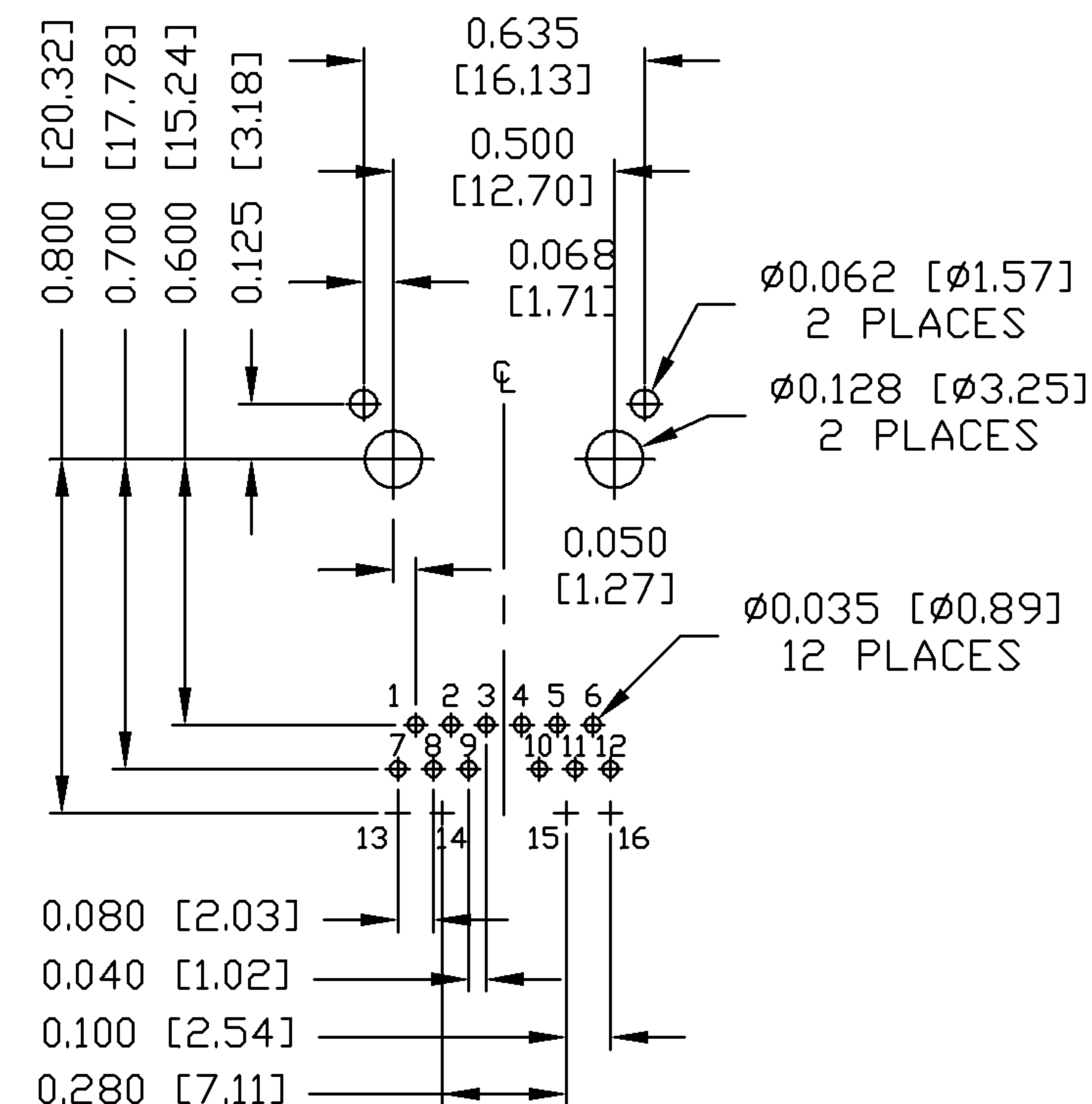
ORIGINATED BY WANCHUNG CHOW	DATE 07-29-08	TITLE gigabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO. 0826-1V1T-23	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY WEIDE LEE	DATE 07-29-08		FILE NAME 0826-1V1T-23_D.DWG	.X		UNIT : INCH [mm]	REV. : D	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX			PAGE : 2	

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MECHANICAL SPECIFICATION



RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA
FLAMMABILITY RATING UL 94V-0
CONTACTS: 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)

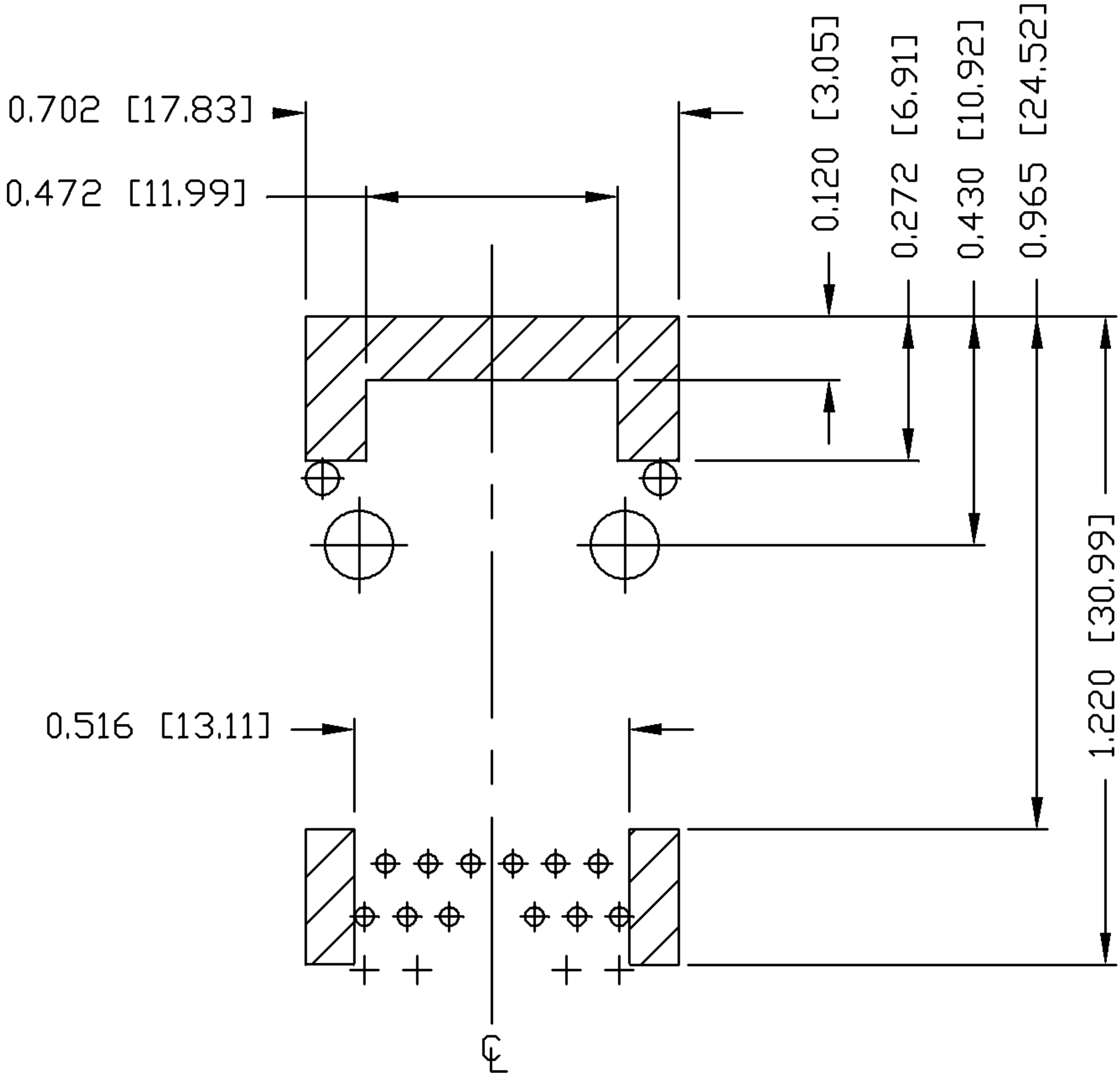
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ZX HUANG	07-29-08	gigabit MagJack® (12 cores, Tab Up)	0826-1V1T-23	.X	UNIT : INCH [mm] REV. : D
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
BL CHEN	07-29-08		0826-1V1T-23_D.DWG	.XXX	±0.010
					PAGE : 3



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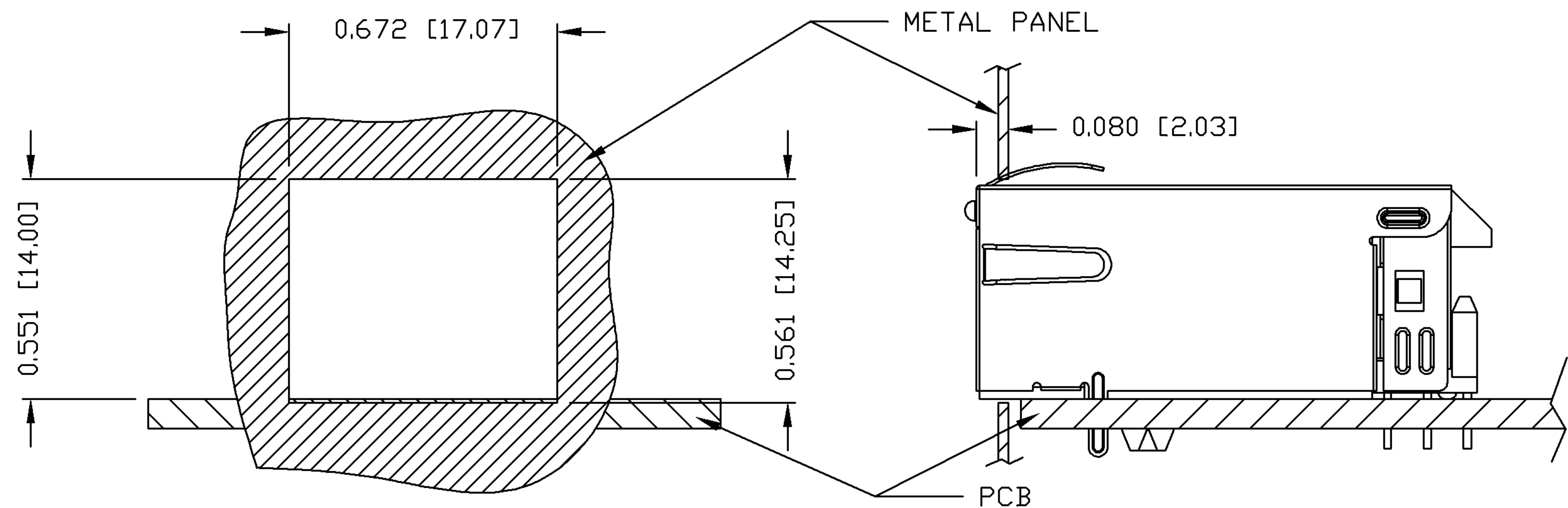
NOTES

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

ORIGINATED BY	DATE	TITLE gigabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET	
ZX HUANG	07-29-08		0826-1V1T-23		TOL. IN INCH		UNIT : INCH [mm]			REV. : D
DRAWN BY	DATE		FILE NAME		.X		SCALE : N/A			SIZE : A4
BL CHEN	07-29-08		0826-1V1T-23_D.DWG		.XX		PAGE : 4			
					.XXX		±0.004			

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SUGGESTED PANEL OPENING



NOTE:

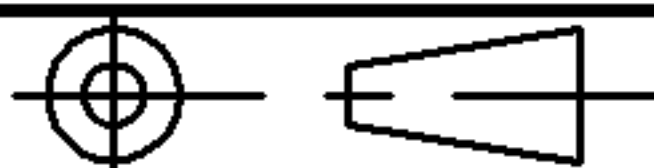
THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-F6 (TOP)
0200-9999-F7 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
10 TRAYS (400 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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				.X		UNIT : INCH [mm]	REV. : D	
DRAWN BY BL CHEN	DATE 07-29-08		FILE NAME 0826-1V1T-23_D.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 5	