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ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

DCL @ 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

Cross Talk

Ch1-Ch2, Ch2-Ch3, Ch3-Ch4	
Ch4-Ch1, Ch2-Ch4, Ch3-Ch1	
1MHz - 30MHz	-37dB MIN
30MHz - 80MHz	-29dB MIN
80MHz - 100MHz	-28dB MIN

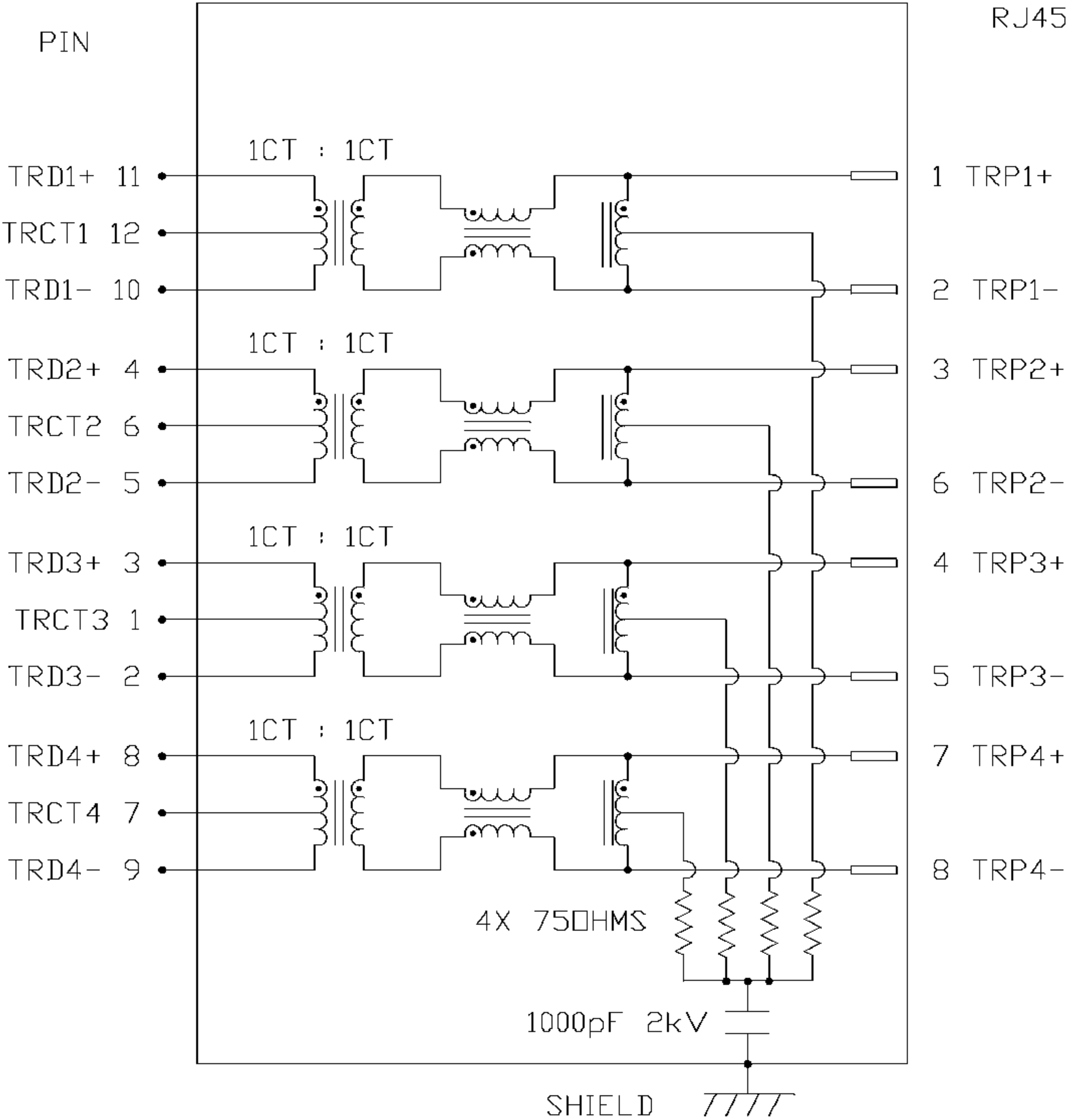
CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED
TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS

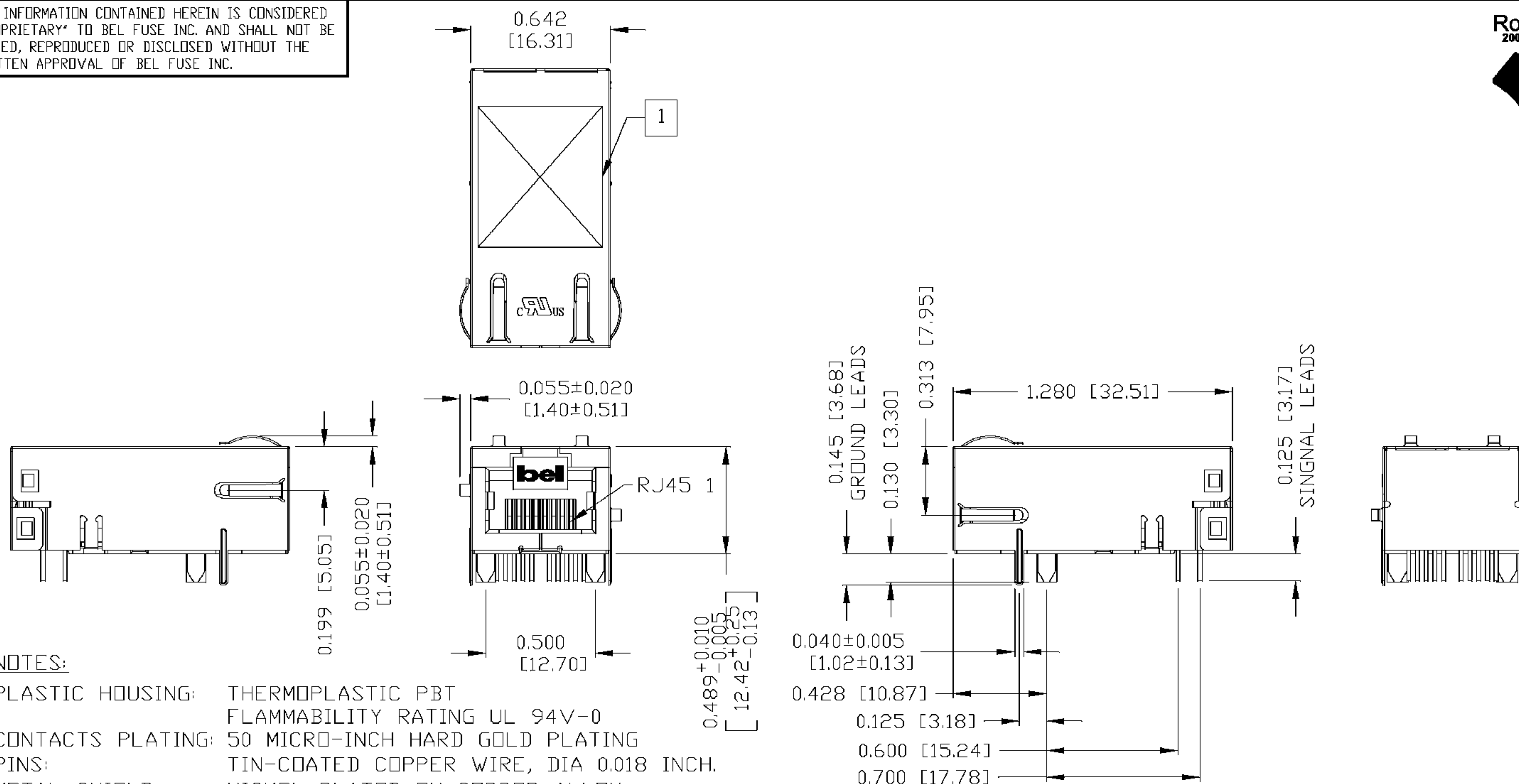
SCHEMATIC



ORIGINATED BY	DATE	TITLE gigabit MagJack® (Low Profile, 12 cores) L816-1X1T-23-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET	
CHOW WANGCHUNG	09-15-07		L8161X1T23-F	TOL. IN INCH		UNIT : INCH [mm]			REV. : A
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A			SIZE : A4
LEE WEI DE	09-15-07		L8161X1T23-F_A.DWG	.XX					PAGE : 2
			.XXX						

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY
(ALL GROUND LEADS ARE SOLDER DIPPING)

- [1] MARK PART WITH MFG. LOGO; MFG. NAME; PART NUMBER; DATE CODE.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

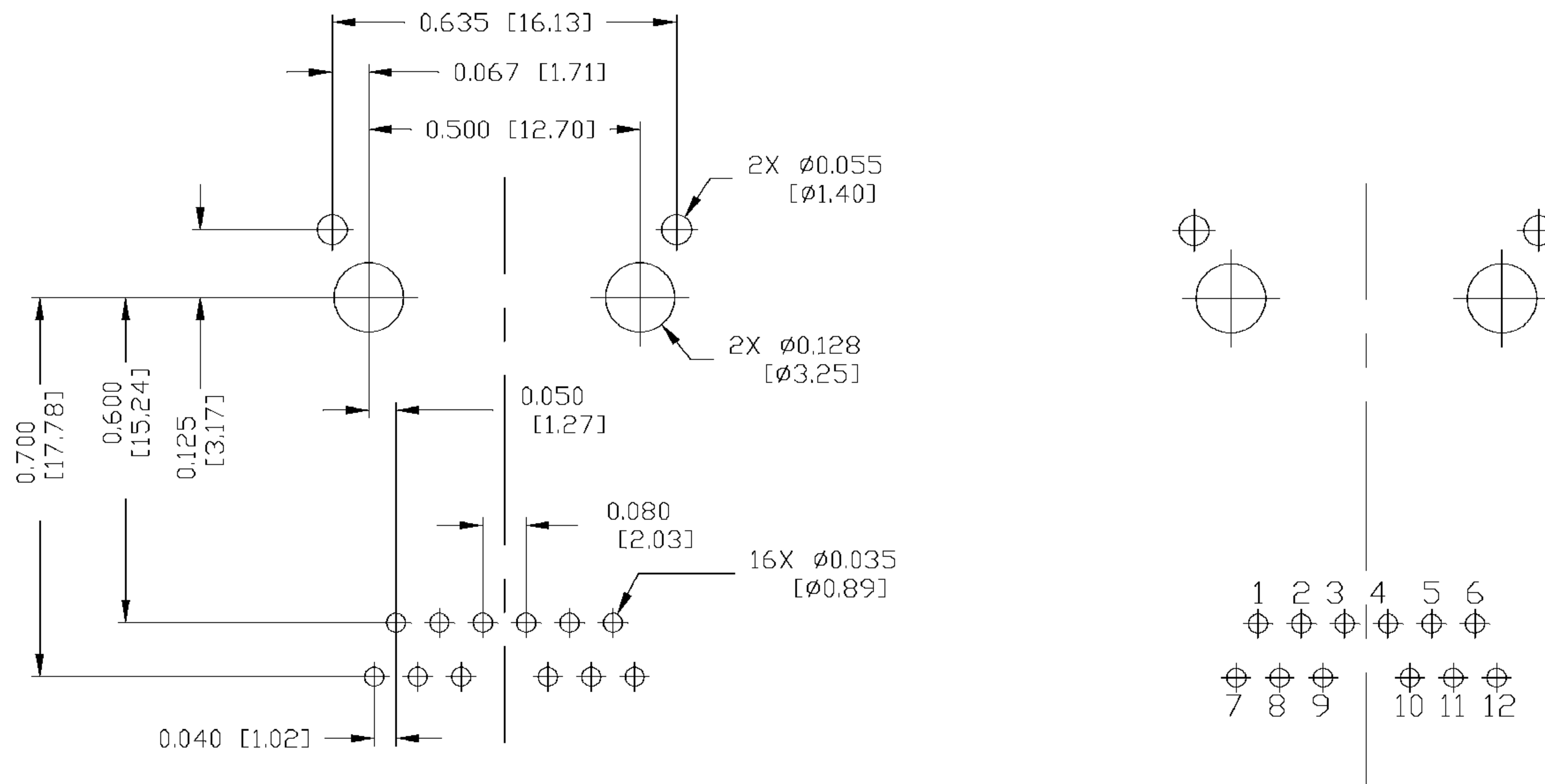
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHEN BILL	09-15-07	gigabit MagJack® (Low Profile, 12 cores) L816-1X1T-23-F	L8161X1T23-F	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A PAGE : 3
DRAWN BY	DATE		FILE NAME		
LIU QIN	09-15-07		L8161X1T23-F_A.DWG	±0.010	

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RECOMMENDED PCB FOOTPRINT

(COMPONENT SIDE VIEW)

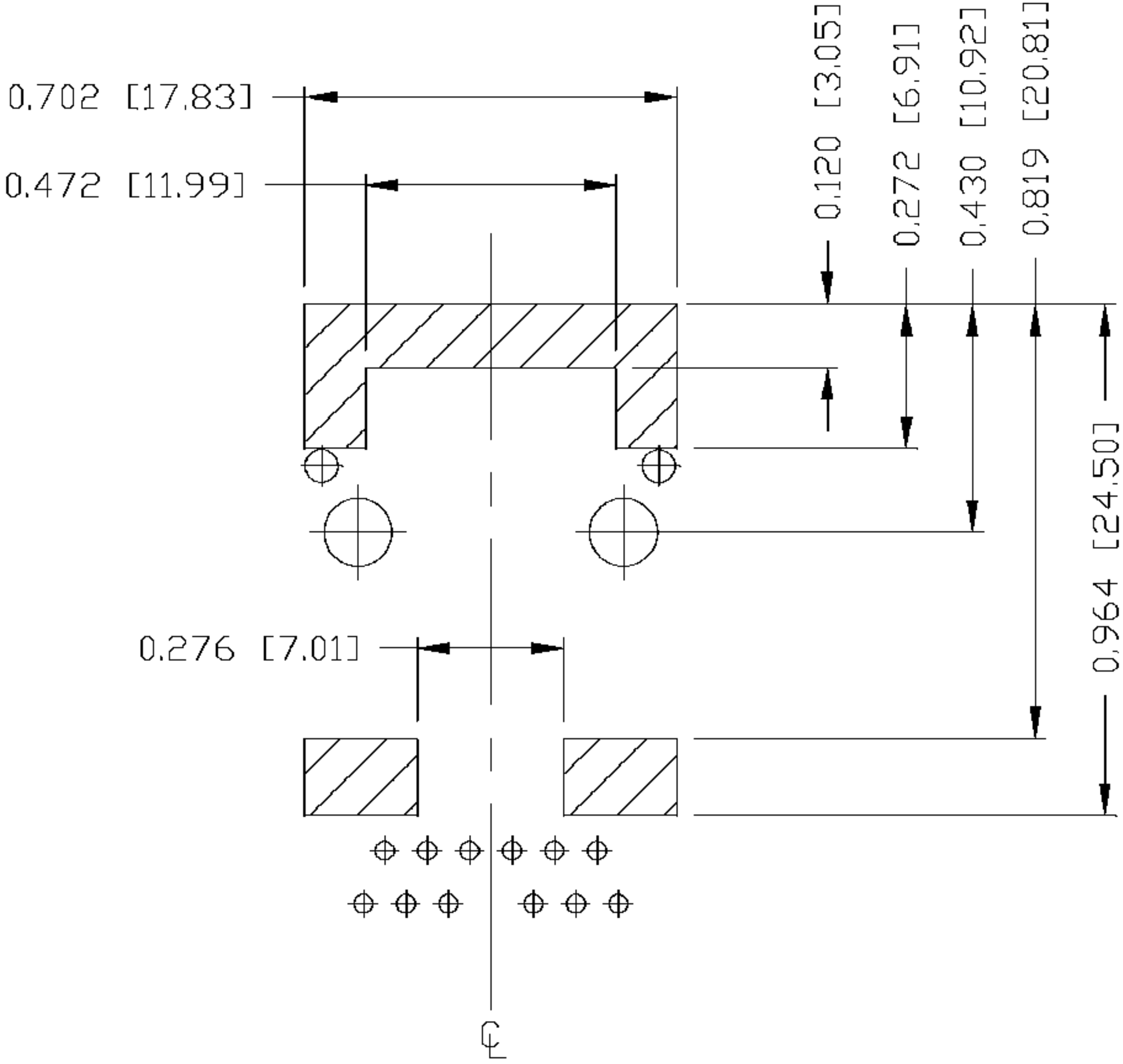


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				.X		UNIT : INCH [mm]	REV. : A
DRAWN BY LIU QIN	DATE 09-15-07		FILE NAME L8161X1T23-F_A.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 4



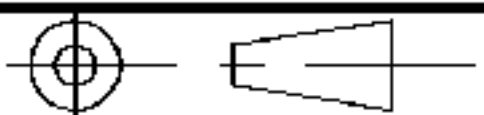
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NOTES

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

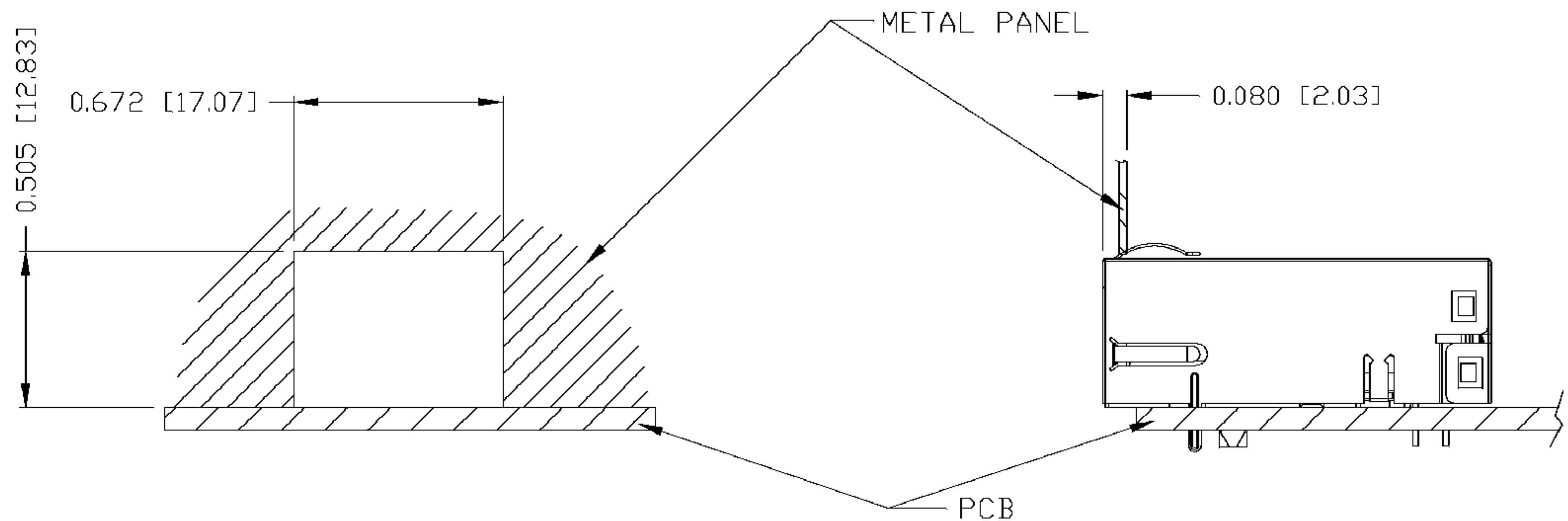
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SUGGESTED PANEL OPENING



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-D6 (TOP)

0200-9999-D7 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY

11 TRAYS (440 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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				.XXX	±0.004			

