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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

□CL @ 100kHz/100mVRMS

8mA DC BIAS 350μH MIN.

DC RESISTANCE:

(RJ1-RJ2);(RJ3-RJ6)	1.4 ohms Max.
(RJ4-RJ5);(RJ7-RJ8)	1.4 ohms Max.

INS. LOSS

100KHz TO 100MHZ -1.1 dB MAX

RET. LOSS (MIN)

1MHz-30MHz	-18 dB
30MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK:

1MHz - 60MHz	-35 dB MIN
60Hz - 100MHz	-25 dB MIN

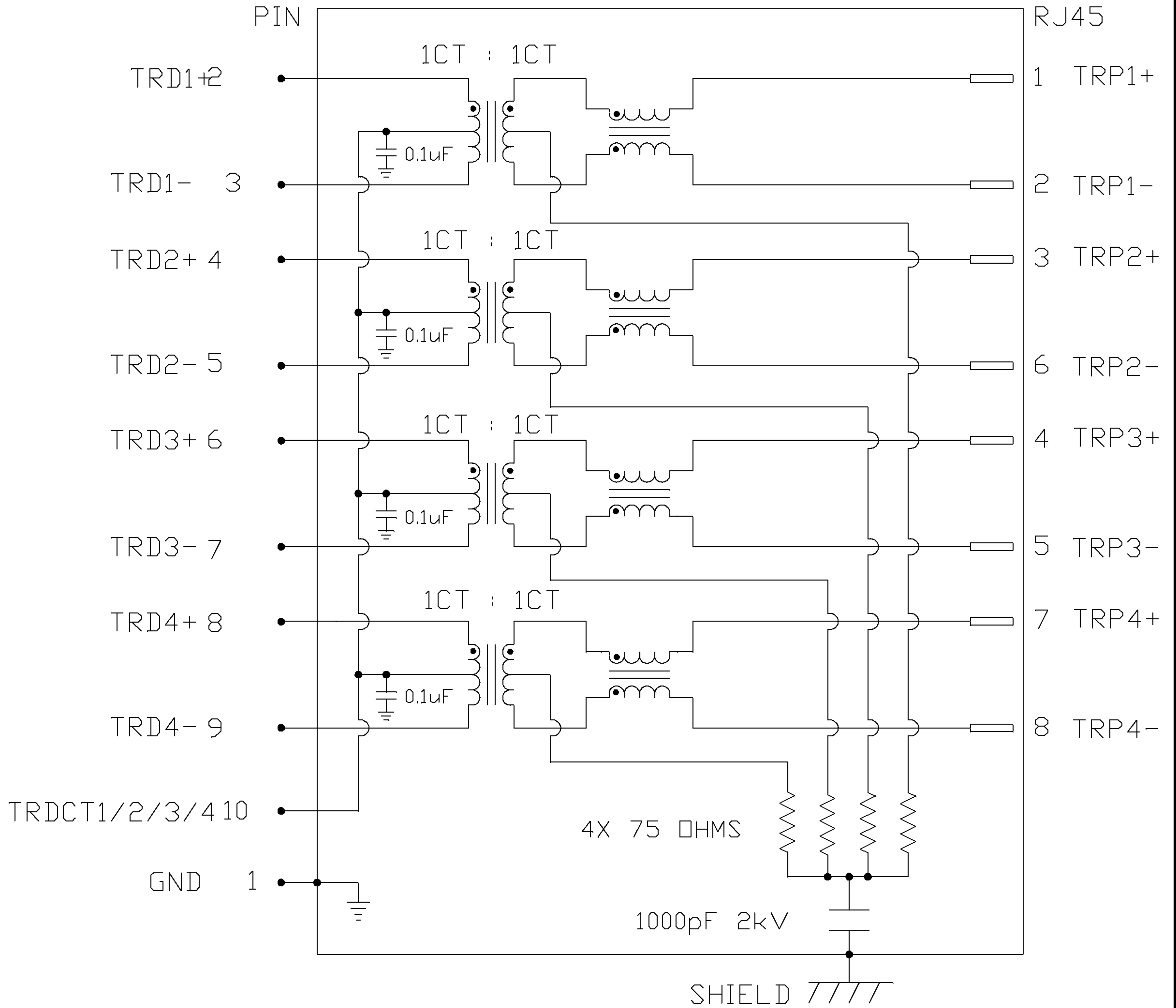
CM TO CM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

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

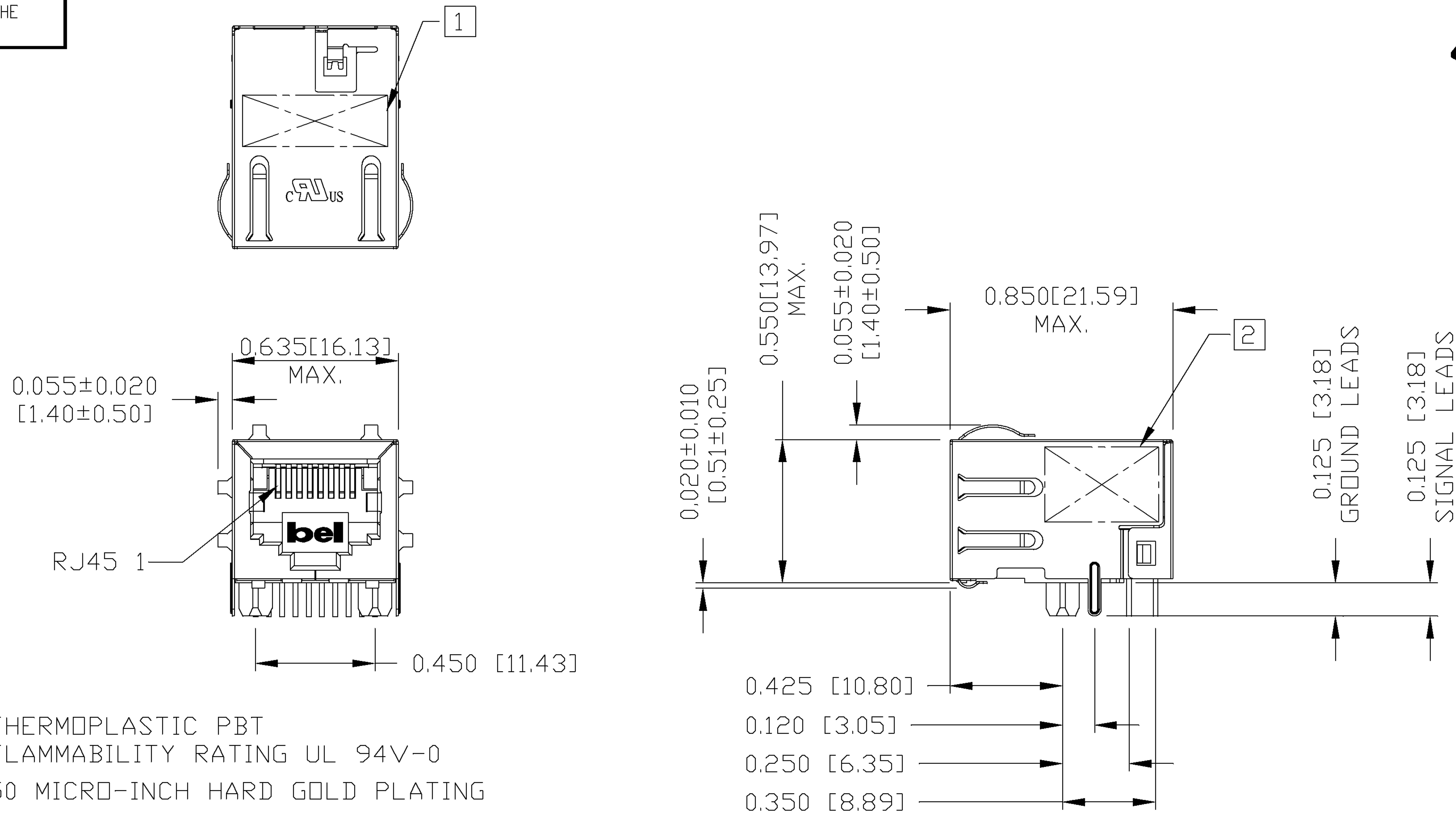
SCHEMATIC



ORIGINATED BY	DATE	TITLE Gigabit MagJack®	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET	
CHOW WANCHUNG	03-21-08		SI-61007-F	TOL. IN INCH			UNIT : INCH [mm]		REV. : A
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4		
LI YONGFENG	03-21-08		SI-61007-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 DIPPED)

1 MARK PART WITH MFG PART NUMBER(SI-61007-F), DATE CODE.

2 MARK PART WITH MFG LOGO, MFG NAME.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

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

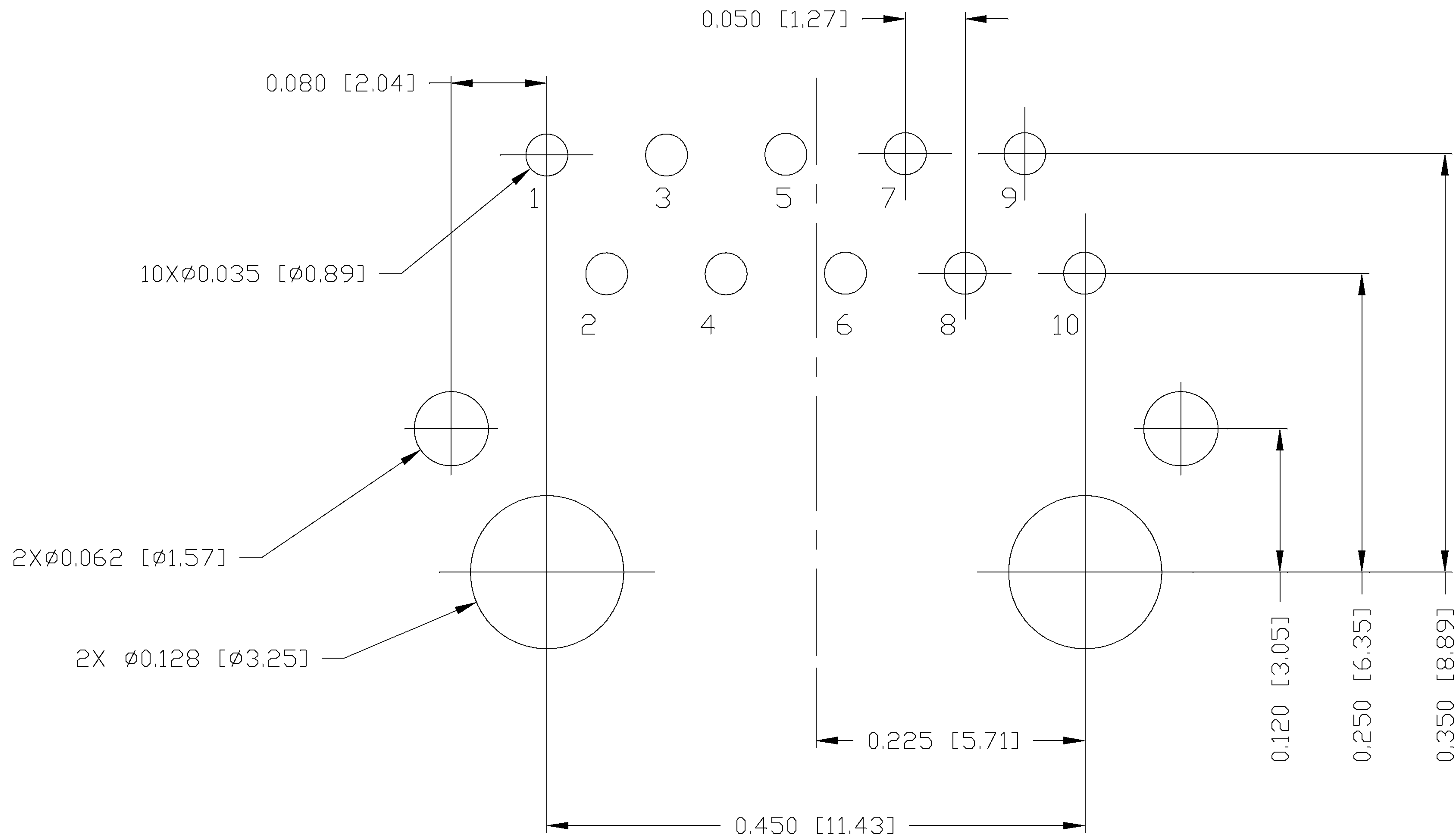
cUL US UL RECOGNIZED - FILE #E132408.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
BILL CHEN	03-21-08	Gigabit MagJack®	SI-61007-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
SALLY LUD	03-21-08		SI-61007-F_A.DWG	.XXX	±0.010		



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RoHS
2002/95/EC



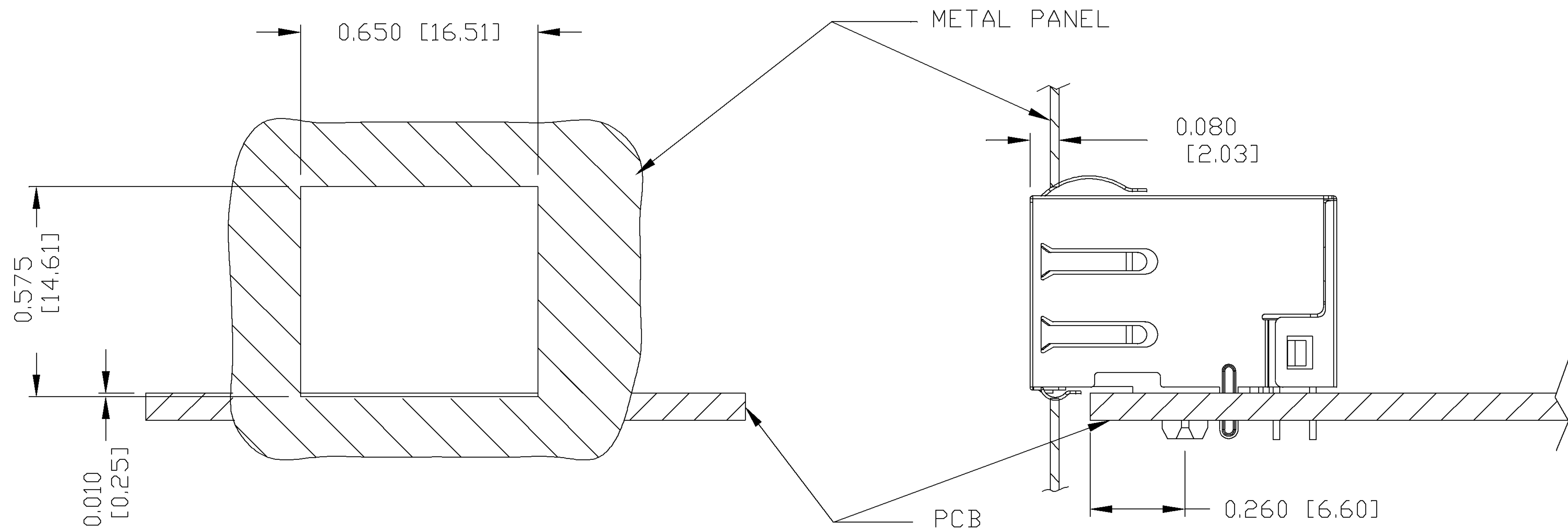
RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

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DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
SALLY LUD	03-21-08			SI-61007-F_A.DWG		.XX		
			.XXX	±0.004				

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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 : 0200-9999-Q7 (TOP)
0200-9999-Q8 (BOTTOM)

PACKING QUANTITY : 80 PCS FINISHED GOODS PER TRAY
10 TRAYS (800 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
BILL CHEN	03-21-08	Gigabit MagJack®	SI-61007-F	.X			
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
SALLY LUD	03-21-08		SI-61007-F_A.DWG	.XXX	±0.004		PAGE : 5