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RoHS
2002/95/EC



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.

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

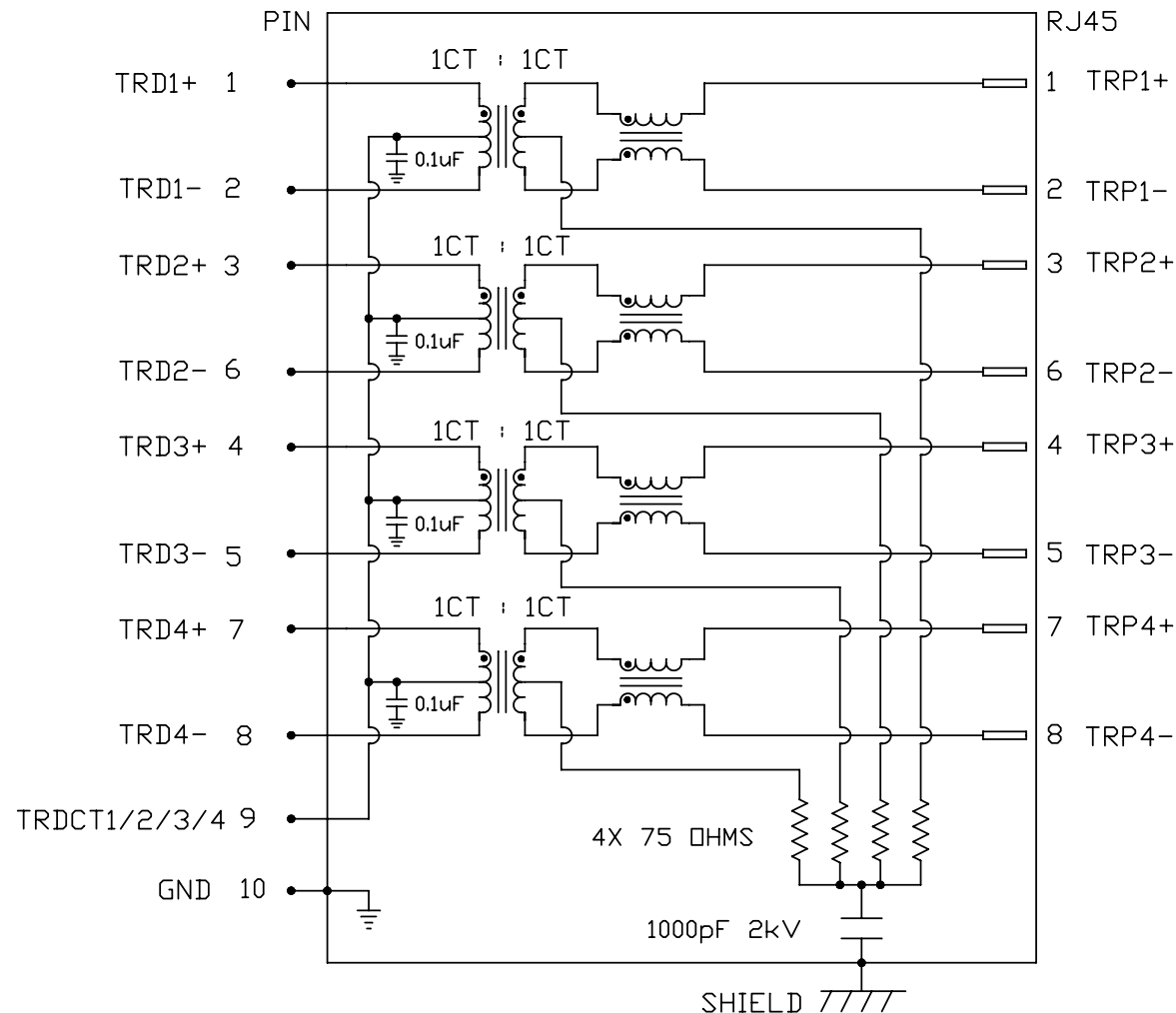
100kHz - 100MHz -30 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

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

SCHEMATIC



ORIGINATED BY	DATE
CHOW WANCHUNG	07-06-09
DRAWN BY	DATE
LI YONGFENG	07-06-09

TITLE
Gigabit MagJack® PATENTED

PART NO. / DRAWING NO.
SI-61024-F
FILE NAME
SI-61024-F_A.DWG

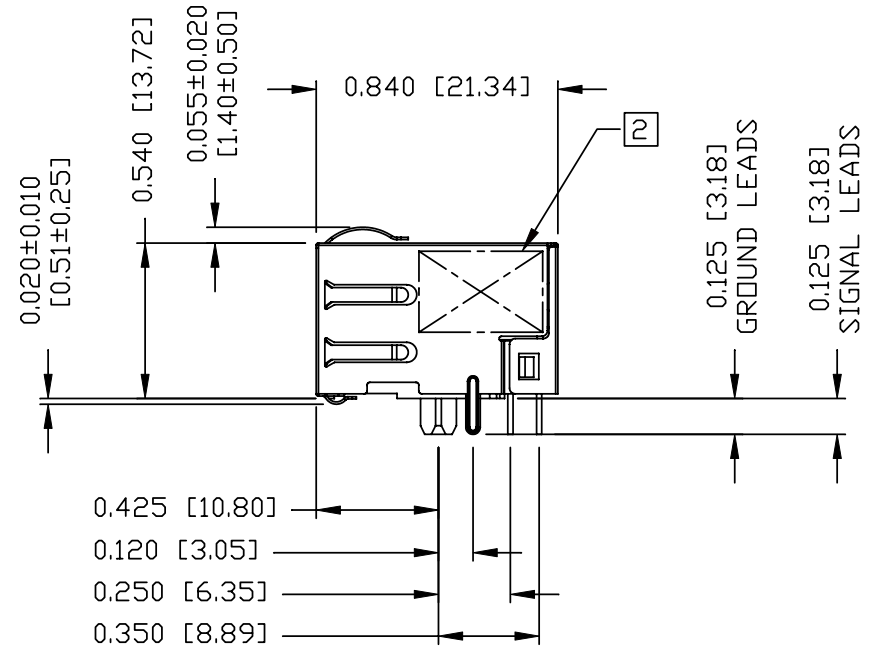
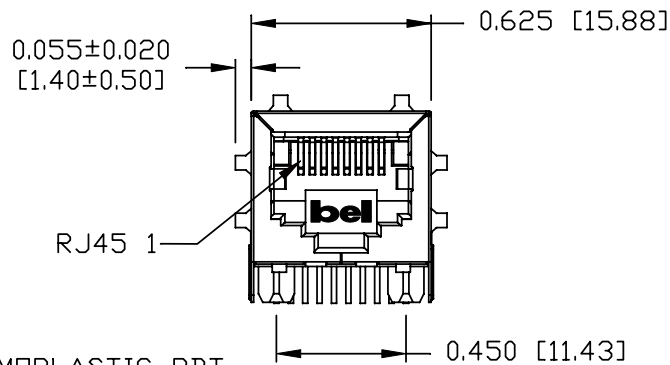
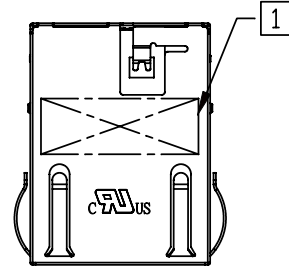
STANDARD DIM.	[] METRIC DIM. AS REFERENCE
TOL. IN INCH	UNIT : INCH [mm]
.X	SCALE : N/A
.XX	REV. : A
.XXX	SIZE : A4
	PAGE : 2

UNIT : INCH [mm]	REV. : A
SCALE : N/A	SIZE : A4
	PAGE : 2



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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-61024-F), DATE CODE AND PATENTED.
- 2 MARK PART WITH MFG LOGO, MFG NAME.
- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS
- 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S PAT. 5,736,910.
- 5. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

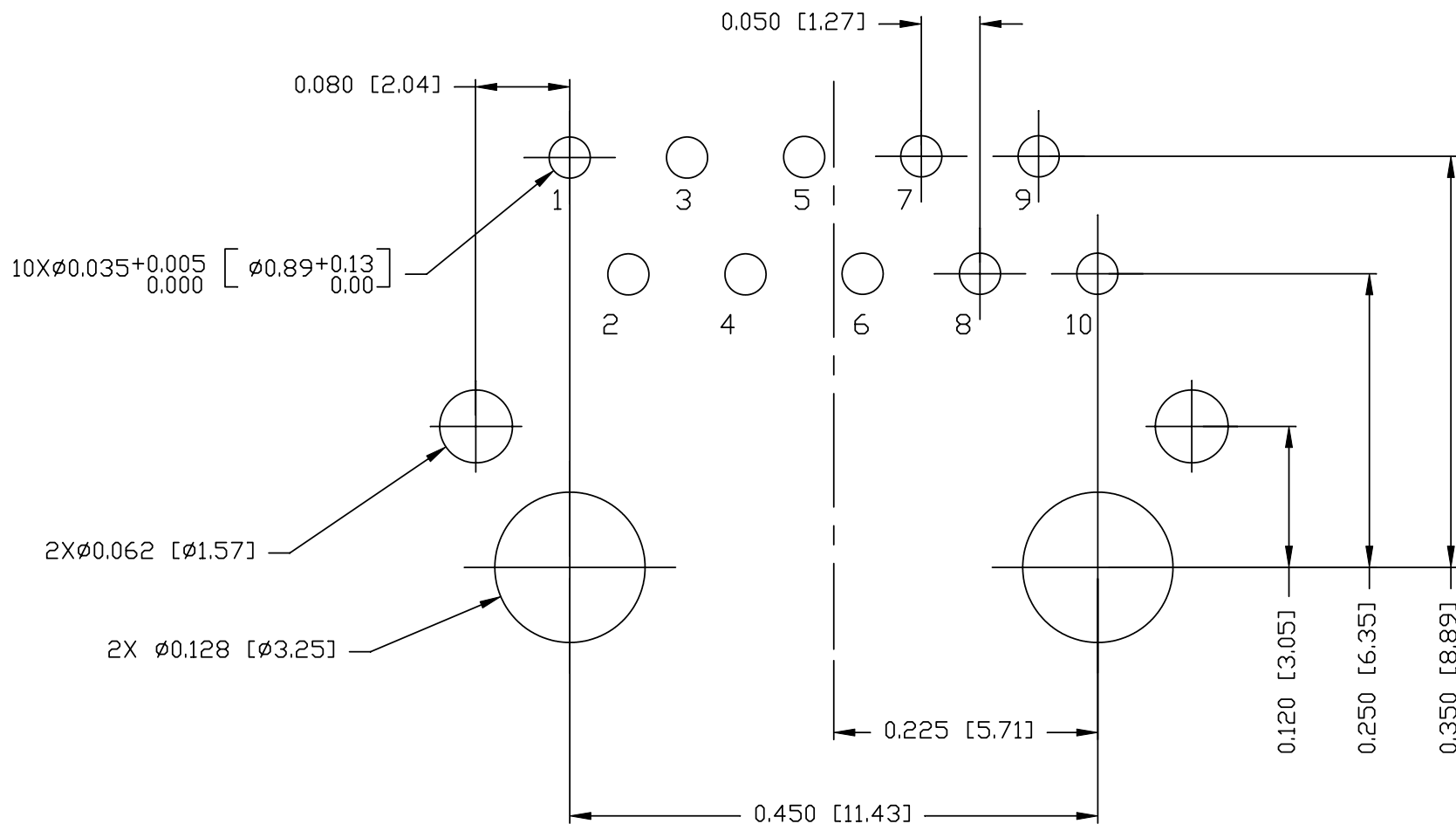
c US UL RECOGNIZED - FILE #E132408.

ORIGINATED BY BILL CHEN	DATE 07-06-09	TITLE Gigabit MagJack® PATENTED	PART NO. / DRAWING NO. SI-61024-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
			FILE NAME SI-61024-F_A.DWG		.X		UNIT : INCH [mm]	REV. : A
DRAWN BY SALLY LUD	DATE 07-06-09				.XX		SCALE : N/A	SIZE : A4
					.XXX	±0.010		PAGE : 3



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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

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DRAWN BY SALLY LUD	DATE 07-06-09		FILE NAME SI-61024-F_A.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A

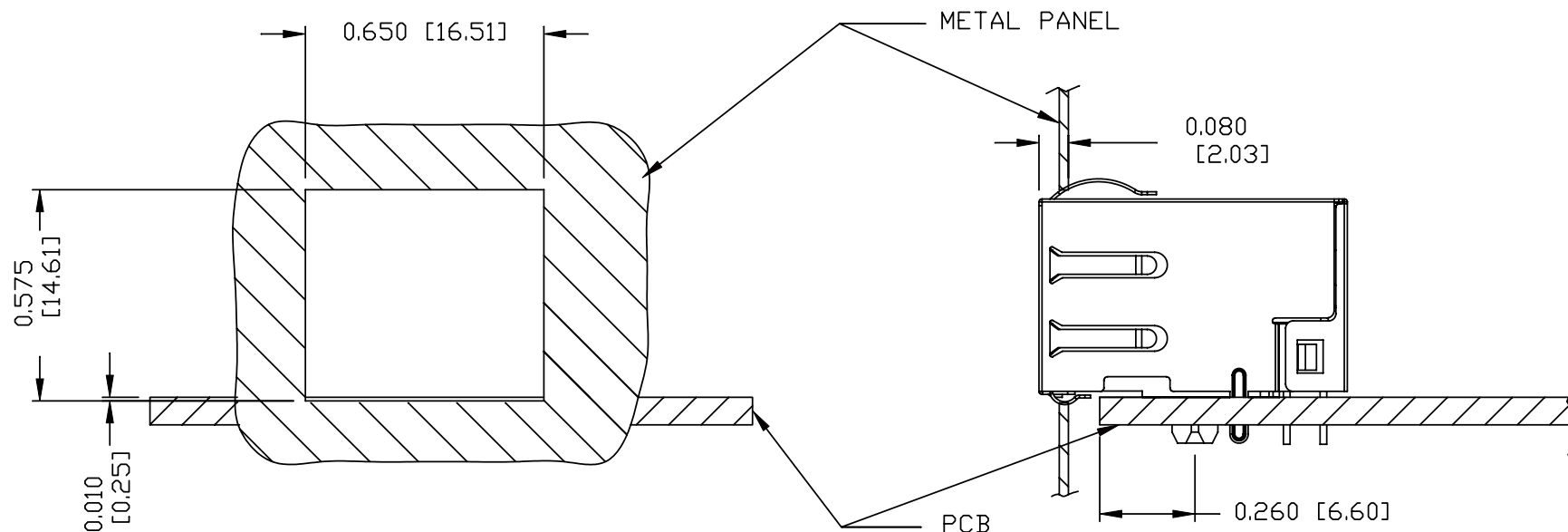


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SUGGESTED PANEL OPENING



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 BILL CHEN	DATE 07-06-09	TITLE Gigabit MagJack® PATENTED	PART NO. / DRAWING NO. SI-61024-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		REV. : A	bel COMPONENTS FOR A CONNECTED PLANET
	DRAWN BY SALLY LUO			DATE 07-06-09	FILE NAME SI-61024-F_A.DWG	.X			
				.XX		SCALE : N/A			
				.XXX	±0.004			PAGE : 5	