



Additional Resources: Product Page PCB Footprint Technical Documentation

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

QCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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INS. LOSS

100KHz TO 125MHz	-1.2 dB MAX
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RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK:

Ch1-Ch2,Ch1-Ch3,Ch1-Ch4,Ch2-Ch3,Ch2-Ch4,Ch3-Ch4

1MHz - 30MHz	-35 dB MIN
30MHz - 80MHz	-24 dB MIN
80Hz - 100MHz	-25 dB MIN

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

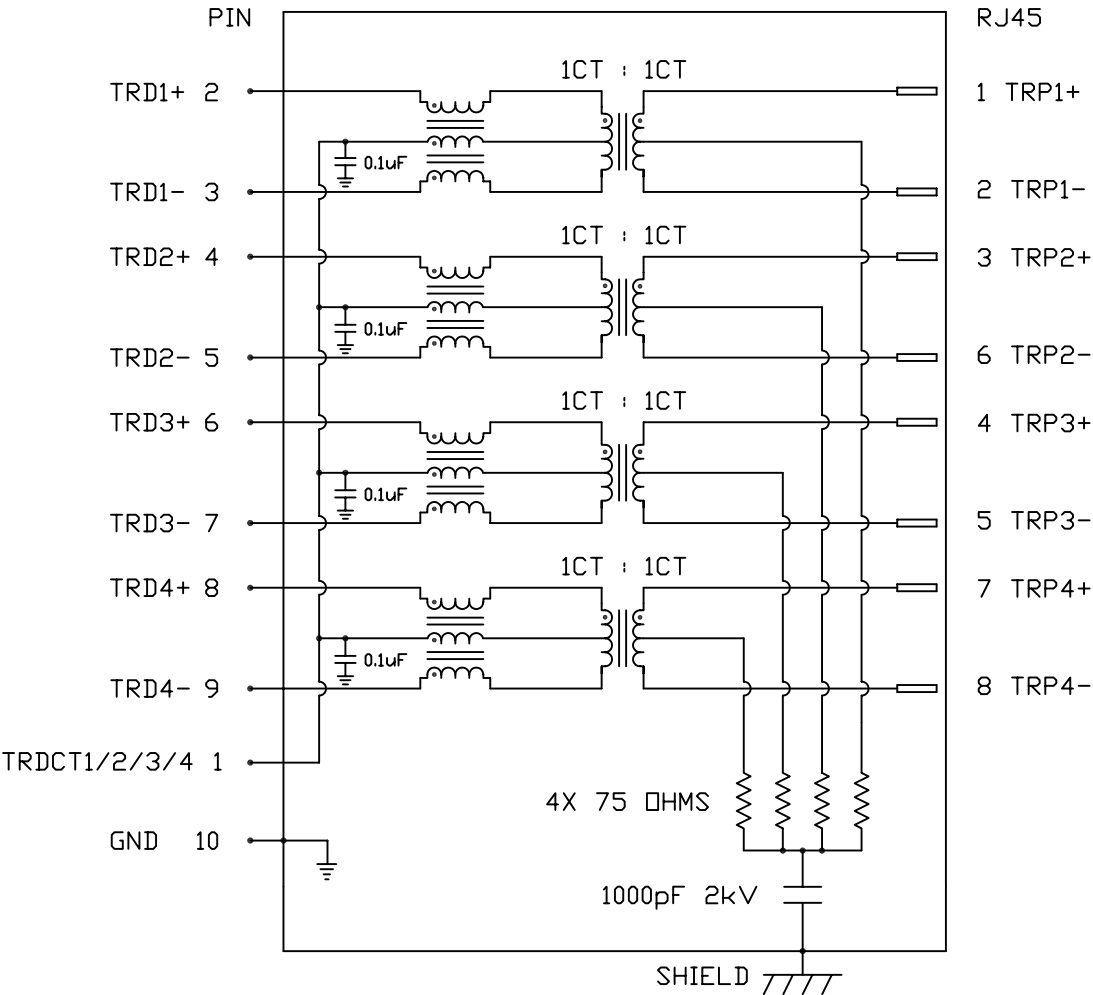
100kHz - 100MHz	-35 dB MIN
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
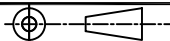
HIPOT (Isolation Voltage):

1500 Vrms or 2250VDC

OPERATING TEMPERATURE PANGE: -40 TO +85°C

SCHEMATIC



ORIGINATED BY	DATE	TITLE  Gigabit MagJack®	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE		
CHUNG	04-11-06		SI-61006-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DE	04-11-06		SI61006FPB.DWG	.XX			PAGE : 2	
			.XXX					

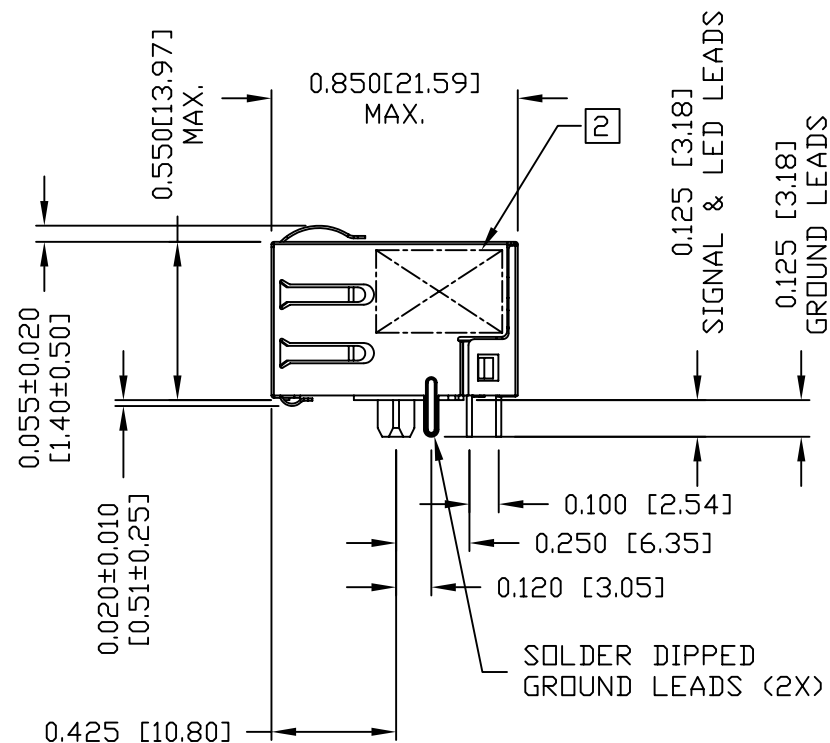
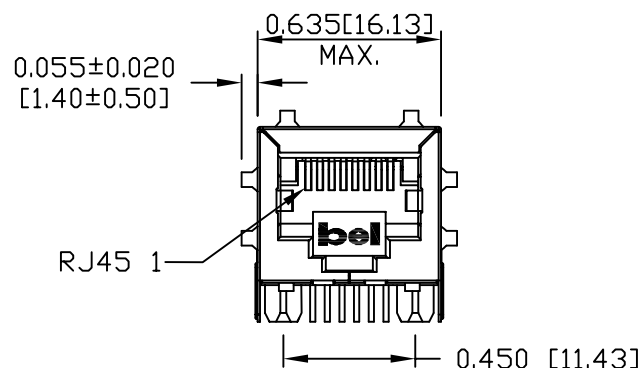
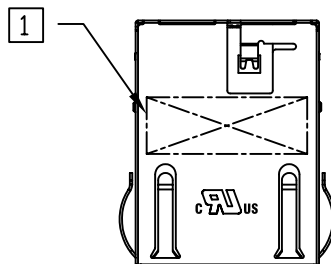
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PRELIMINARY

RoHS  
2002/95/EC



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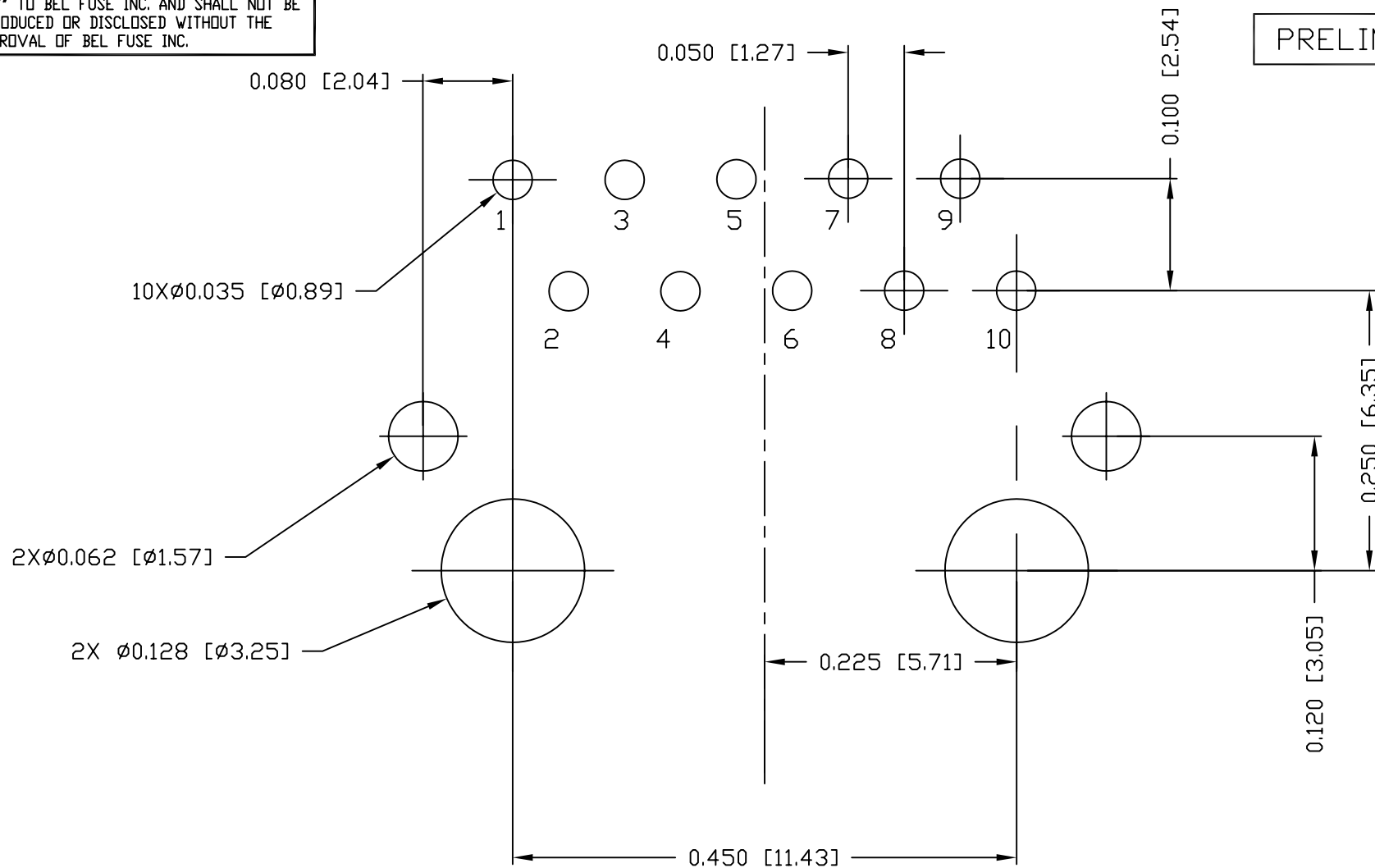
#### NOTES:

- 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)
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- 1 MARK PART WITH MFG PART NUMBER(SI-61006-F), DATE CODE.
- 2 MARK PART WITH MFG LOGO, MFG NAME.
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- UL** US UL RECOGNIZED - FILE #E132408.


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
BILL/KEUNG	04-11-06	Gigabit MagJack®	SI-61006-F	.X	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
WEIGH	04-11-06		SI61006FPB.DWG	.XXX ±0.010	PAGE : 3



PRELIMINARY

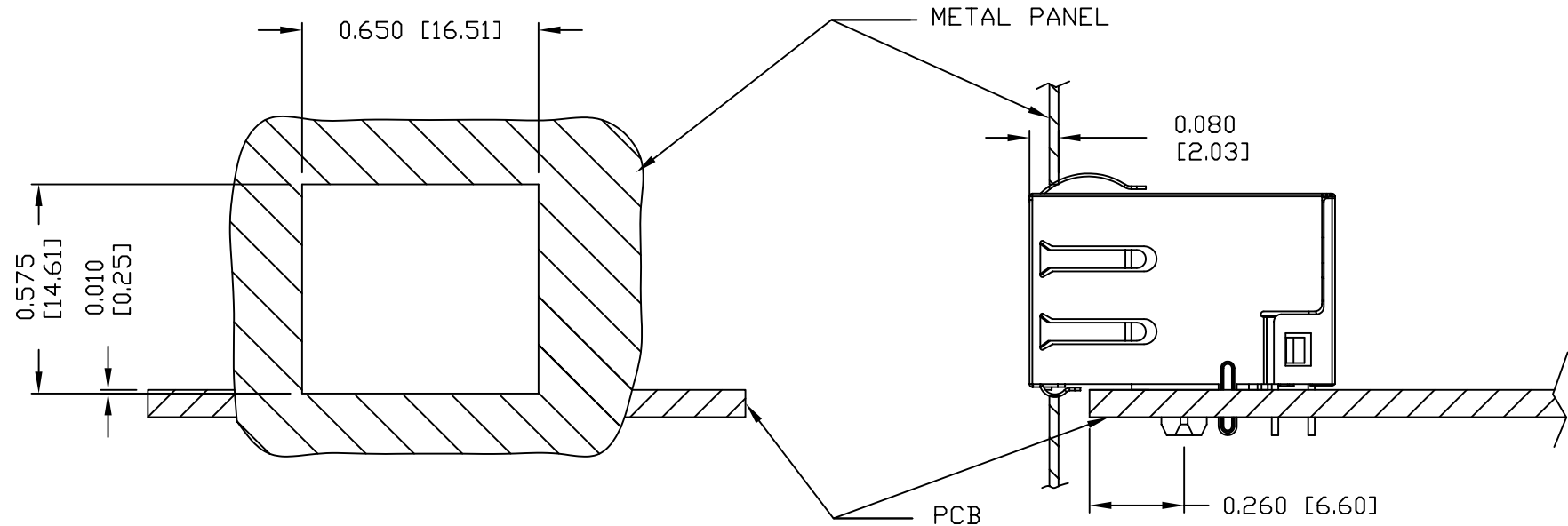


RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
BILL/KEUNG	04-11-06	Gigabit MagJack®	SI-61006-F		UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
WEIGH	04-11-06		SI61006FPB.DWG	.XX		PAGE : 4
				.XXX	±0.004	



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 : 77 PCS FINISHED GOODS PER TRAY  
10 TRAYS (770 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. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
BILL/KEUNG	04-11-06	Gigabit MagJack®	SI-61006-F		UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A
WEIGH	04-11-06		SI61006FPB.DWG	.XX	SIZE : A4
				.XXX ±0.004	PAGE : 5