

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY



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.

INS. LOSS

100KHz 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,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

CM TO DM REJ

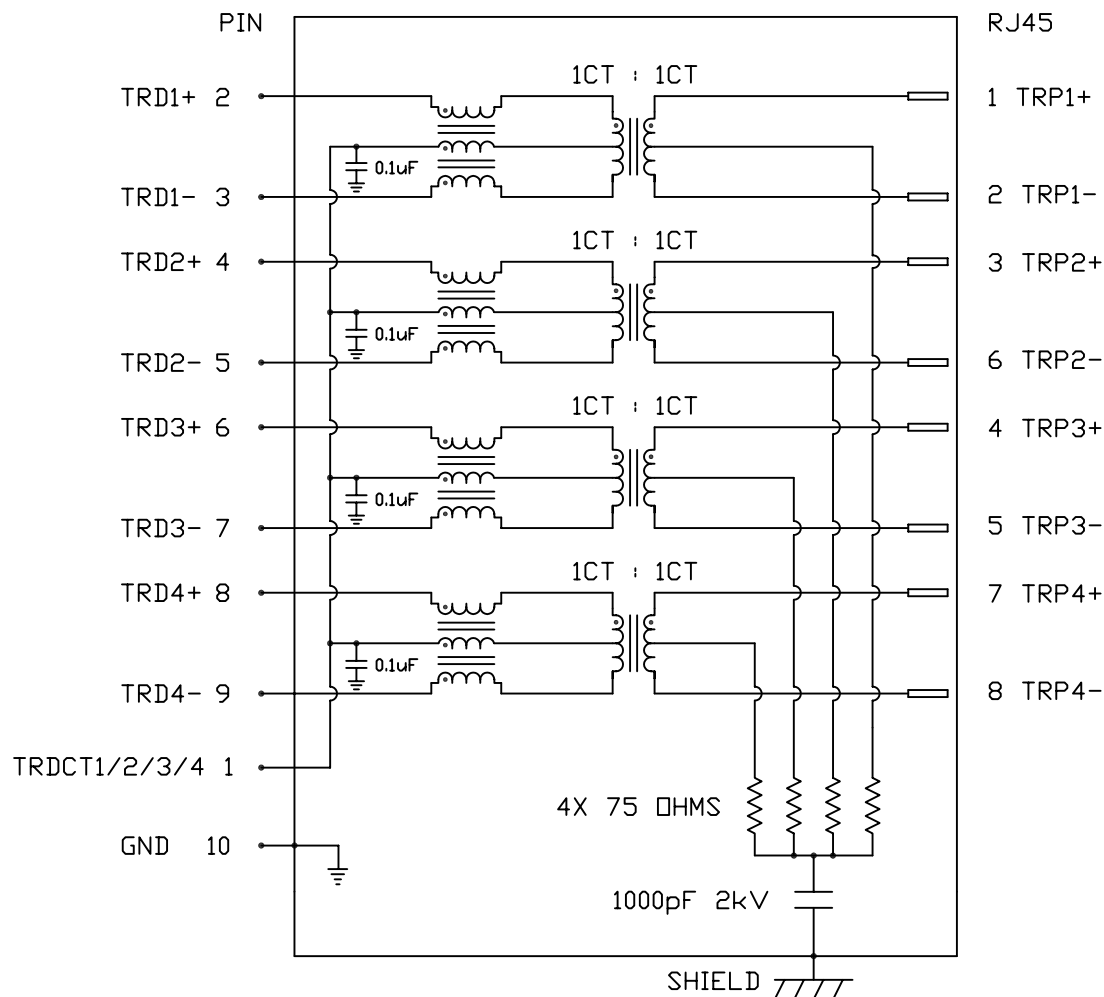
100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms or 2250VDC

OPERATING TEMPERATURE RANGE: -40 TO +85°C

SCHEMATIC

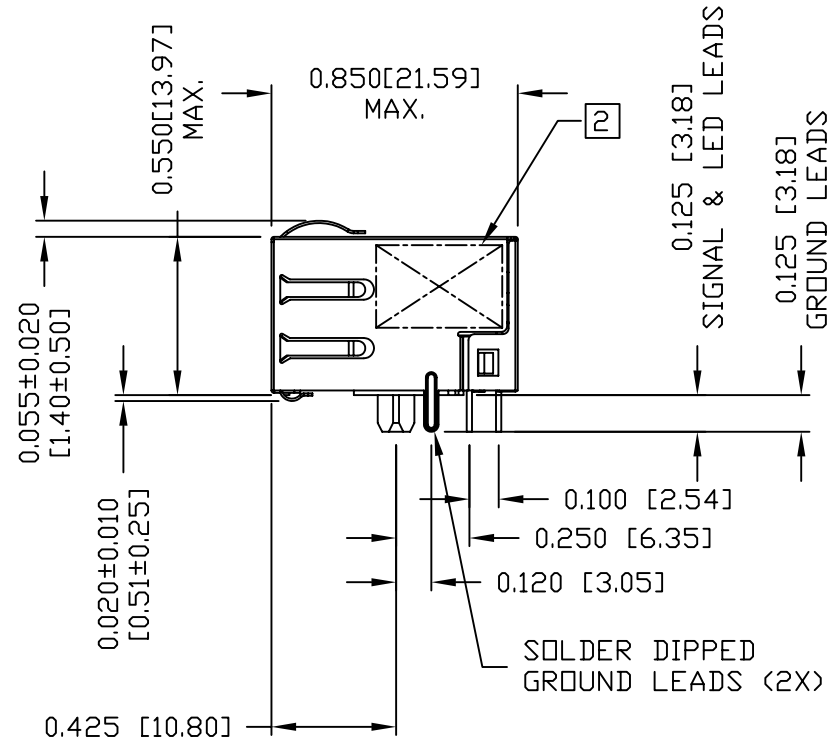
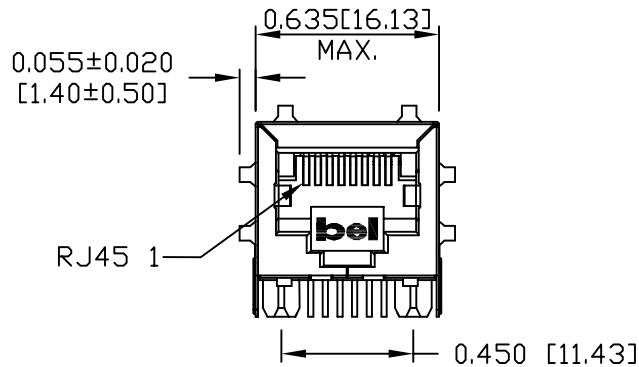
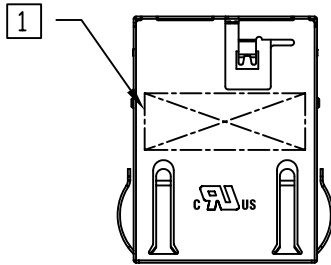


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE
CHUNG	04-11-06	Gigabit MagJack®	SI-61006-F	TOL. IN INCH	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
DE	04-11-06		SI61006FPB.DWG	.XX	⊕
				.XXX	PAGE : 2



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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)
- 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 RECOGNIZED - FILE #E132408.

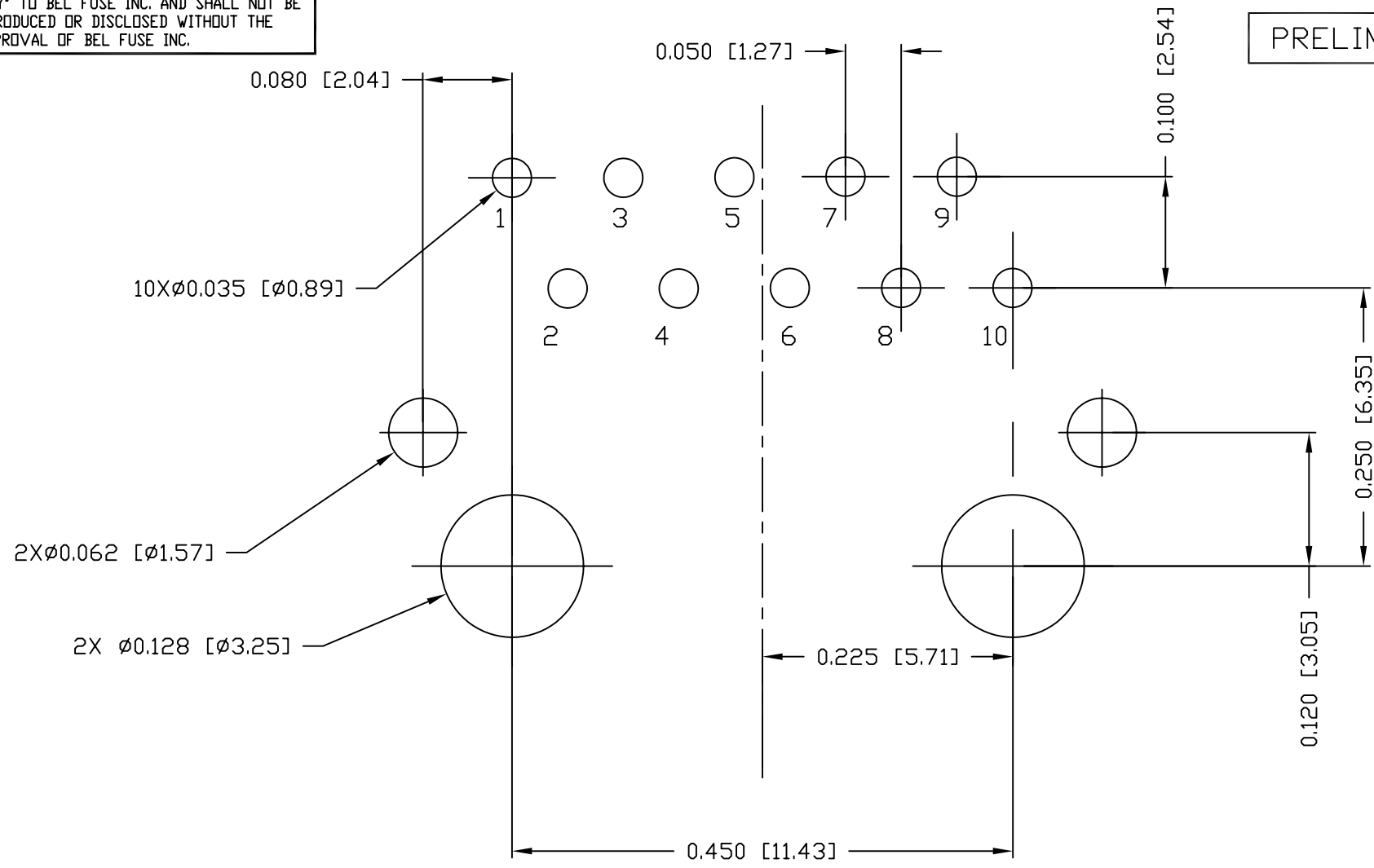
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
BILL/KEUNG	04-11-06	Gigabit MagJack®	SI-61006-F	.X	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
WEIGH	04-11-06		SI61006FPB.DWG	.XXX ±0.010	⊕ — — — — — PAGE : 3



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PRELIMINARY



RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW

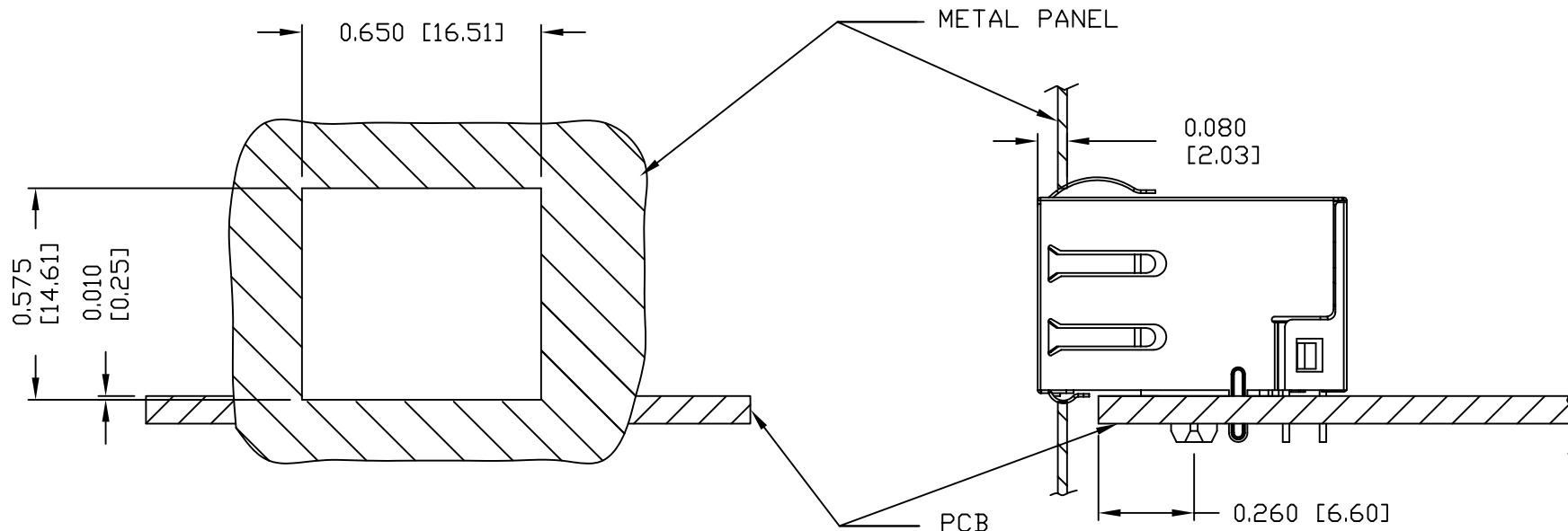
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET	
BILL/KEUNG	04-11-06	Gigabit MagJack®	SI-61006-F	.X	UNIT : INCH [mm]		REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A		SIZE : A4
WEIGH	04-11-06		SI61006FPB.DWG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

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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 : 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.	[ ] METRIC DIM. AS REFERENCE	
BILL/KEUNG	04-11-06	Gigabit MagJack®	SI-61006-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
WEIGH	04-11-06		SI61006FPB.DWG	.XX	±0.004	PAGE : 5
				.XXX		

