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# <u>SCHEMATIC</u>

ELECTRICAL CHARACTERISTICS @	<u>25°C</u>	PIN				RJ45
TURNS RATIO TP1 TP2	1CT : 1CT ±2% 1CT : 1CT ±2%	TRD1+ 2 ←	<u> </u>	1CT : 1CT		1 TRP1+
TP3 TP4	1CT : 1CT ±2% 1CT : 1CT ±2%	TRD1- 3 ←	1 0.1uF m		<b>_</b>	2 TRP1-
□CL @ 100kHz/100m∨RMS 8mA DC BIAS	350 <i>μ</i> Η MIN.	TRD2+ 4 ←		1CT : 1CT		3 TRP2+
INS. LOSS	330μη MIN.	INDE! 4 °				J INFET
100KHz TO 125MHz	-1.2 dB MAX	TRD2- 5 ←				6 TRP2-
RET. LOSS (MIN)				1CT : 1CT		
0.5MHz-40MHz 40MHz-100MHz	-18 dB -12+20L0G(f/80MHz) dB	TRD3+ 6 ←	<u> </u>	3116		4 TRP3+
CROSS TALK:		TDD0 7	1 0.1uF			E TDD2
Ch1-Ch2,Ch1-Ch3,Ch1-Ch4,Ch2	-Ch3,Ch2-Ch4,Ch3-Ch4	TRD3- 7 ←				5 TRP3-
1MHz - 30MHz 30MHz - 80MHz	-35 dB MIN -24 dB MIN	TRD4+ 8 ←		1CT : 1CT	<del></del>	7 TRP4+
80Hz - 100MHz	-25 dB MIN					
CM TO CM REJ		TRD4- 9 ←	<u></u>			8 TRP4-
100kHz - 100MHz	-30 dB MIN	11121				
CM TO DM REJ		TRDCT1/2/3/4 1 ←			.	
100kHz - 100MHz	-35 dB MIN			4X 75 □HMS ≷ ≷ ≷	<b>\}</b>	
HIPOT (Isolation Voltage):	1500 Vrms or 2250VDC	GND 10 ←				
OPERATING TEMPERATURE PANGE	: −40 T□ +85℃		<del> </del>  - 	1000pF 2kV		
		l		SHIELD 7777	7	I

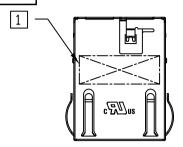
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS	REFERENCE
CHUNG	04-11-06	<u></u>	SI-61006-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE	Gigabit MagJack®	FILE NAME	.X .XX	SCALE: N/A	SIZE : A4
DE	04-11-06		SI61006FPB.DWG	.XXX	<b>—</b> ————	PAGE: 2

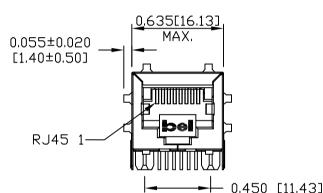


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PRELIMINARY







FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING

PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

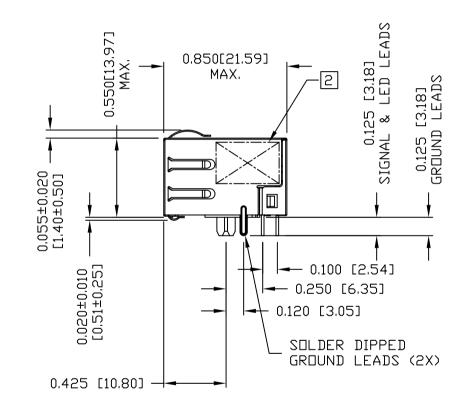
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

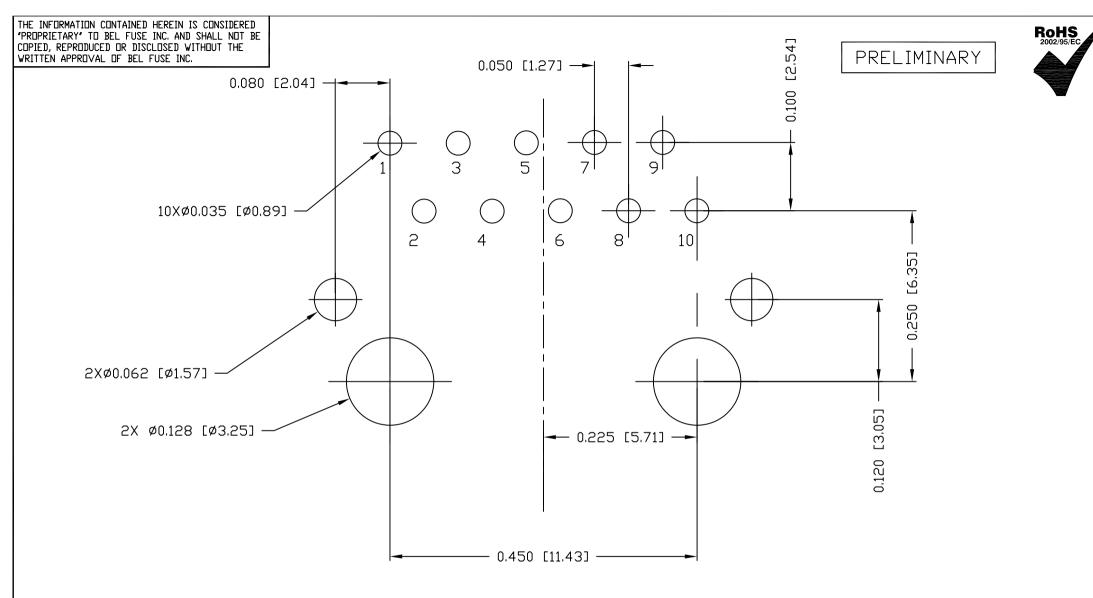
(ALL GROUND LEADS ARE SOLDER DIPPED)

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.
- c Nus UL RECOGNIZED FILE #E132408.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS RE	FERENCE
BILL/KEUNG	04-11-06		SI-61006-F	TOL. IN INCH	UNIT : INCH [mm] REV	7. : PB
DRAWN BY	DATE	Gigabit MagJack®	FILE NAME	.X .XX	SCALE: N/A SIZ	E : A4
WEIGH	04-11-06		SI61006FPB.DWG	.XXX ±0.010		GE: 3





# RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW

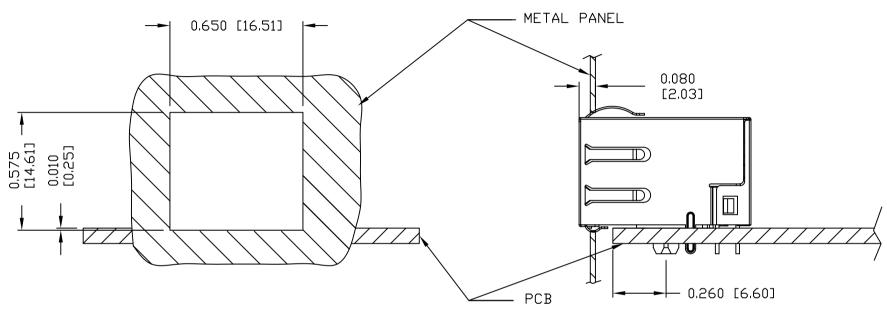
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE	
BILL/KEUNG	04-11-06		SI-61006-F	TOL. IN INCH	UNIT : INCH [mm] REV. : PB	$\prod_{i}$
DRAWN BY	DATE	Gigabit MagJack®	FILE NAME	.X .XX	SCALE: N/A SIZE: A4	$\Box$
WEIGH	04-11-06		SI61006FPB.DWG	.XXX ±0.004	PAGE: 4	
DC002(2)032305 This document is electronically generated. This is a controlled copy if used internally						



# PRELIMINARY



#### 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/KEUN	NG 04-11-06		SI-61006-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE	Gigabit MagJack®	FILE NAME	.X .xx	SCALE: N/A	SIZE: A4	
WEIGH	04-11-06		SI61006FPB.DWG	.XXX ±0.004		PAGE: 5	

