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## <u>SCHEMATIC</u>

				SCHEMATIC	
ELECTRICAL CHARACTERISTICS @	<u>25°C</u>	PIN			RJ45
TURNS RATIO				1CT : 1CT	
TP1	1CT : 1CT ±2%	TRD1+ 2 ←			1 TRP1+
TP2 TP3	1CT : 1CT ±2% 1CT : 1CT ±2%		<u> </u>		
TP4	1CT : 1CT ±2%	TRD1- 3 •─	± 0.1uF	/"\	2 TRP1-
□CL @ 100kHz/100mVRMS				1CT : 1CT	
8mA DC BIAS	$350\mu$ H MIN.	TRD2+ 4 ←	<del>                                     </del>		3 TRP2+
INS. LOSS			<u> </u>		
100KHz TO 125MHz	-1.2 dB MAX	TRD2- 5 ←	‡ 0.1uF ,====		6 TRP2-
RET. LOSS (MIN)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1CT : 1CT	
0.5MHz-40MHz	-18 dB	TRD3+ 6 ←	<del>                                     </del>		4 TRP3+
40MHz-100MHz	-12+20LOG(f/80MHz) dB		<u> </u>		
CROSS TALK: Ch1-Ch2,Ch1-Ch3,Ch1-Ch4,Ch2-	-Ch2 Ch2-Ch4 Ch2-Ch4	TRD3- 7 ←	1 0.1uF ,	^"\	5 TRP3-
		11120 /			
1MHz - 30MHz	-35 dB MIN	TRD4+ 8 ←		1CT : 1CT	7 TRP4+
30MHz - 80MHz	-24 dB MIN	TKB4. 0	\ <u>~~~</u>		7 18141
80Hz - 100MHz	-25 dB MIN		<u> </u>	——}  E——	
CM TO CM REJ		TRD4- 9 ←		/"\\	8 TRP4-
100kHz - 100MHz	-30 dB MIN	1KU4− 9 •—			O INI 4
CM TO DM REJ		TRDCT1/2/3/4 1 ←			
100kHz - 100MHz	-35 dB MIN			4X 75 DHMS 🔰 🔰 🕏	
HIPOT (Isolation Voltage):	1500 Vrms or 2250VDC	GND 10 ←			
OPERATING TEMPERATURE PANGE:	−4N TΠ +85℃		÷	1000pF 2kV	
a. E.M. 1100 TELL EMITTONE THINGE	10 12 1000			TOUCH SKY —	
				OUTEL D	
				SHIELD 7///	

18	tion Voltage) FEMPERATURE F		Vrms or 2250VDC +85°C	GND 10		SHIELD 7777	
THUNG	<b>DATE</b> 04-11-06	TITLE		PART NO. / DRAWING NO. SI-61006-F	STANDARD DIM. TOL. IN INCH	UNIT: INCH [mm] REV.: PE	-
<b>DRAWN BY</b> DE	<b>DATE</b> 04-11-06	l Gak	it MagJack®	FILE NAME SI61006FPB.DWG	.X .XX	SCALE: N/A SIZE: A4	-



**Technical Documentation** 

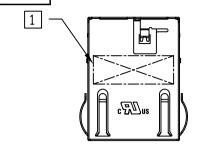
PCB Footprint

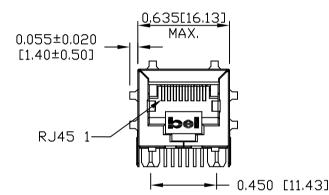
Product Page

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PRELIMINARY







PLASTIC HOUSING:

THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING

<u>~</u>ÞIN2: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPF SJACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS. (ALL GROUND LEADS ARE SOLDER DIPPED)

MARK PART WITH MFG PART NUMBER(SI-61006-F), DATE CODE.

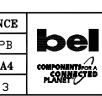
MARK PART WITH MFG LOGO, MFG NAME.

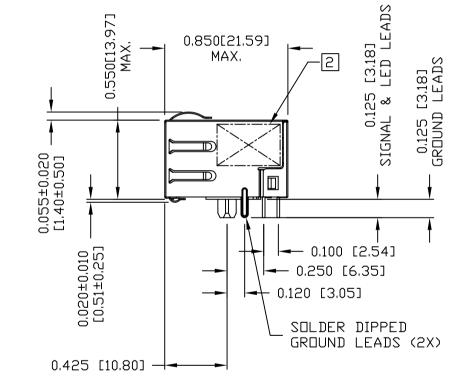
📆. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

**Al**us ul recognized — file #e132408.

ORIGINATED BY	DATE	TITLE		
BILL/KEUNG	04-11-06			
DRAWN BY	DATE	1	Gigabit	MagJack®
WEIGH	04-11-06			

PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERE				
SI-61006-F		N INCH	UNIT : INCH [mm]	REV. : PB			
FILE NAME	.XX		SCALE: N/A	SIZE: A4			
SI61006FPB.DWG	.XXX	±0.010	<b>⊕</b> €-	PAGE: 3			

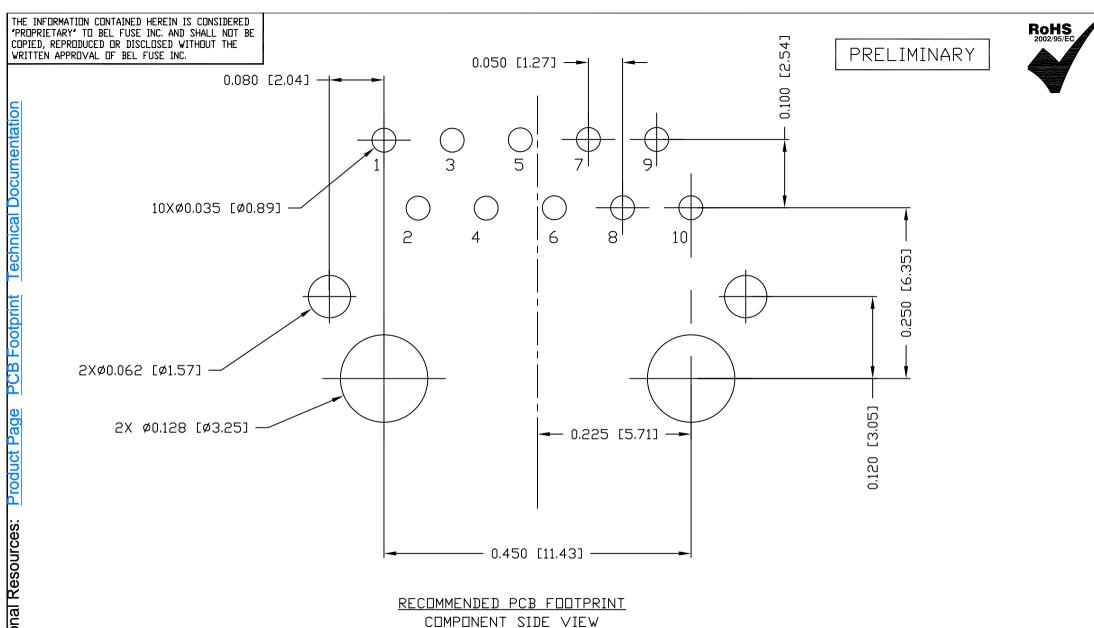




**Technical Documentation** 

PCB Footprint

MOTES:



itio								
RIGINATED BY	DATE	TITLE		PART NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM. AS	REFERENCE
BILL/KEUNG	04-11-06			SI-61006-F	TOL. I	N INCH	UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE	1	Gigabit MagJack®	FILE NAME	X		SCALE · N/A	SIZE · AA

REV. : PB Gigabit MagJack® FILE NAME SCALE: N/A SIZE: A4 .XX SI61006FPB.DWG PAGE: 4 .XXX ±0.004 This document is electronically generated. This is a controlled copy if used internally

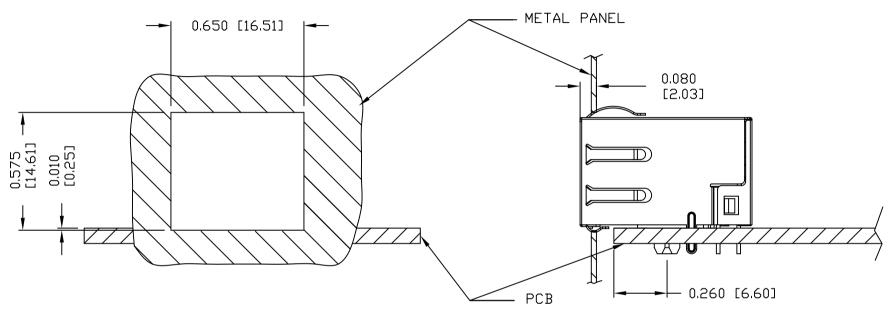


04-11-06

WEIGH

# RoHS 2002/95/EC

#### 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 (TDP)

0200-9999-Q8 (BOTTOM)

PACKING QUANTITY: 77 PCS FINISHED GDDDS 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)

RIGINATED 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
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



tional Resources: