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PRELIMINARY



LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
-	+	YELLOW	-	+	YELLOW
+	-	GREEN	+	-	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±3%
TP2	1CT : 1CT ±3%
TP3	1CT : 1CT ±3%
TP4	1CT : 1CT ±3%

□CL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN

INSERTION LOSS

100KHz TO 100MHz -1.1 dB MAX

RETURN LOSS (MIN)

1MHz-30MHz -18 dB
30MHz-100MHz -12+20LOG(f/80MHz) dB

CM TO CM REJ

100KHz - 100MHz -35 dB TYP

CROSS TALK:

1MHz - 60MHz -35 dB MIN
60Hz - 100MHz -25 dB MIN

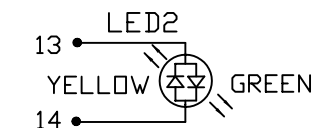
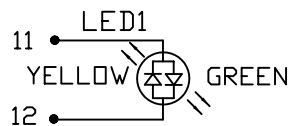
HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH

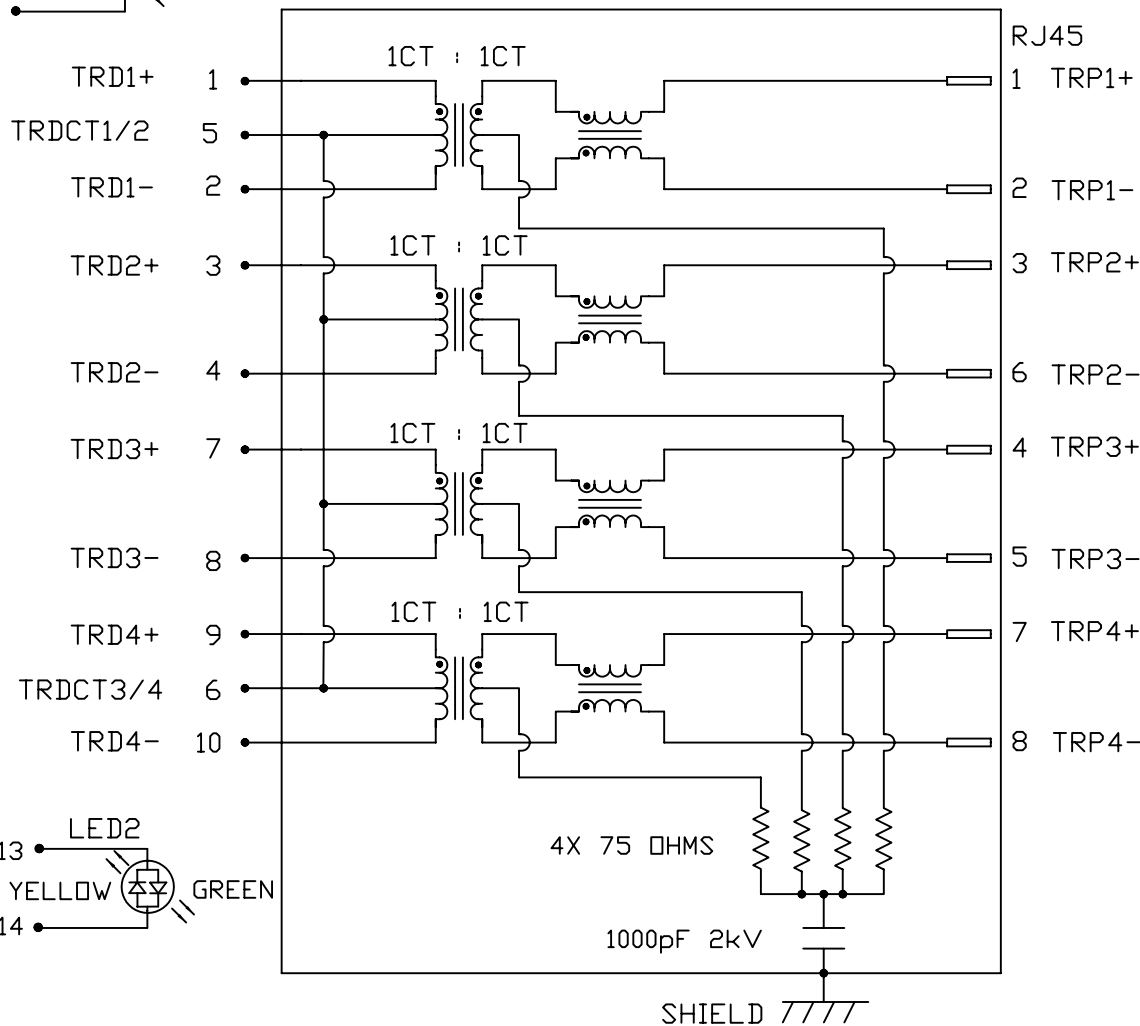
IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1 AND LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		YELLOW	590nm TYP.



SCHEMATIC



ORIGINATED BY	DATE
CHOW WANGCHUNG	09-15-09
DRAWN BY	DATE
LEE WEIDE	09-15-09

TITLE
Gigabit MagJack® (WITH LED) PATENTED

PART NO. / DRAWING NO.
SI-61034-F
FILE NAME
SI-61034-F_PA.DWG

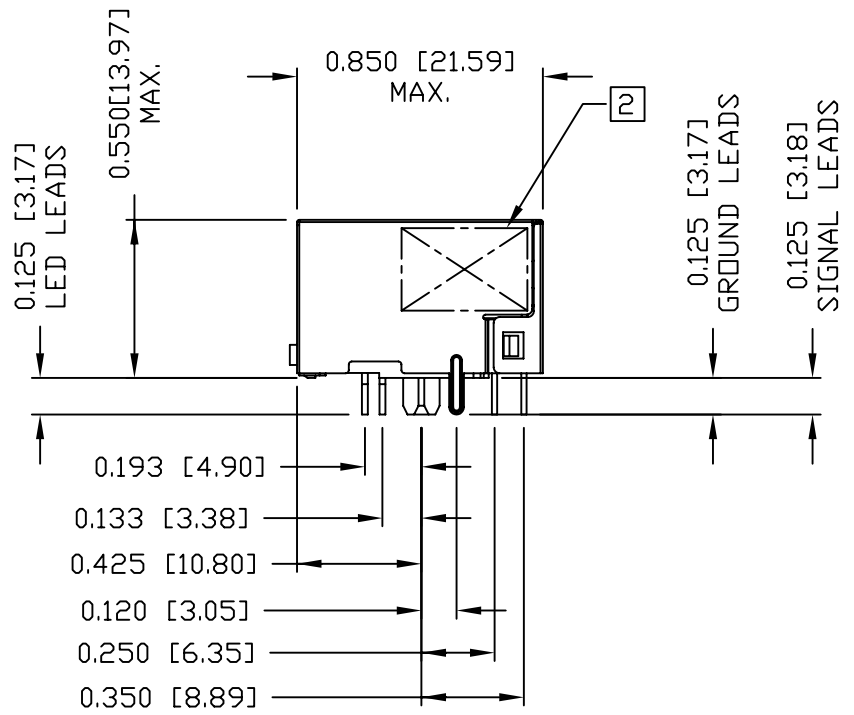
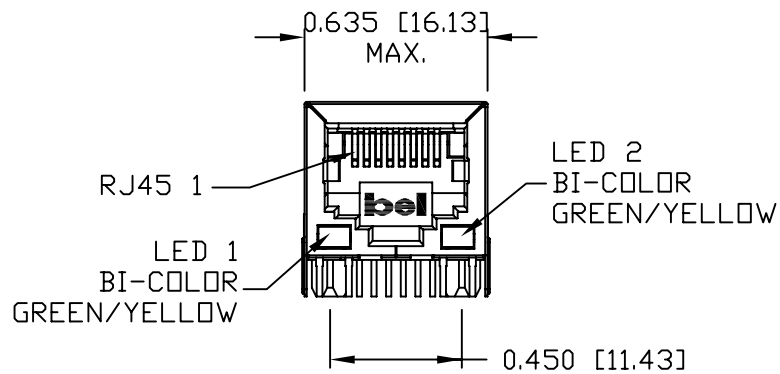
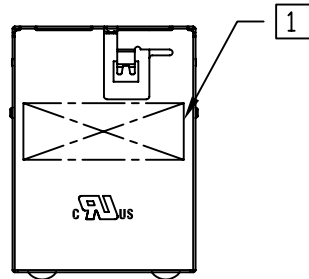
STANDARD DIM.	[] METRIC DIM. AS REFERENCE
TOL. IN INCH	UNIT : INCH [mm]
.X	REV. : PA
.XX	SCALE : N/A
.XXX	SIZE : A4
	PAGE : 2



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PRELIMINARY



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-61034-F), DATE CODE AND PATENTED.
- 2 MARK PART WITH MFG LOGO, MFG NAME.
- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS
- 4. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- UL** UL RECOGNIZED - FILE #E132408.
- 5. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY LIU QIN	DATE 09-15-09	TITLE Gigabit MagJack® (WITH LED) PATENTED	PART NO. / DRAWING NO. SI-61034-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		REV. : PA	PAGE : 3
				.X		UNIT : INCH [mm]	SCALE : N/A		
DRAWN BY XIAN JIAXIN	DATE 09-15-09		FILE NAME SI-61034-F_PA.DWG	.XX					
				.XXX	±0.010				

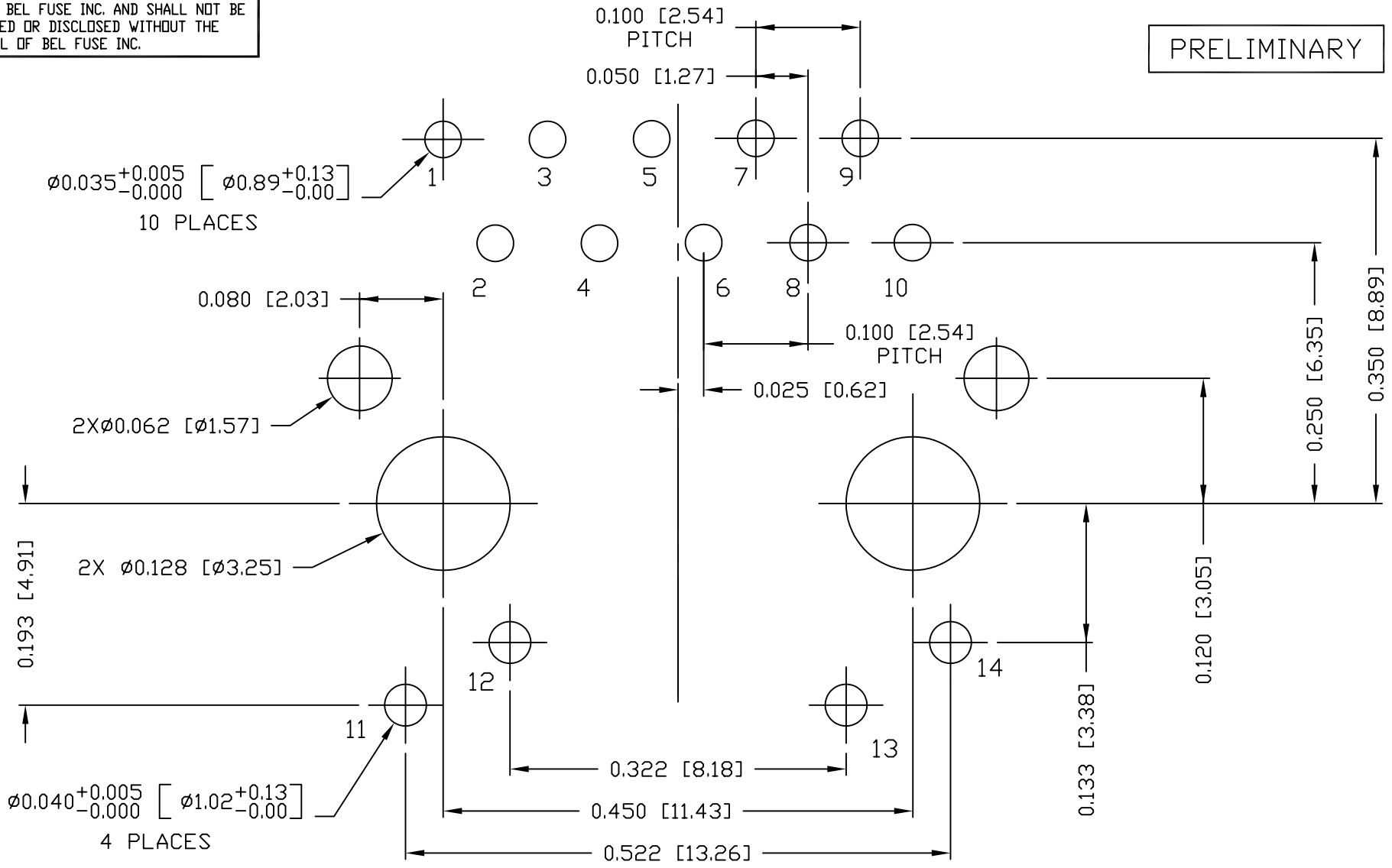


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RoHS
2002/95/EC



PRELIMINARY



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

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	DRAWN BY XIAN JIAXIN		DATE 09-15-09	FILE NAME SI-61034-F_PA.DWG	.X .XX .XXX	±0.004	UNIT : INCH [mm] SCALE : N/A	REV. : PA SIZE : A4 PAGE : 4

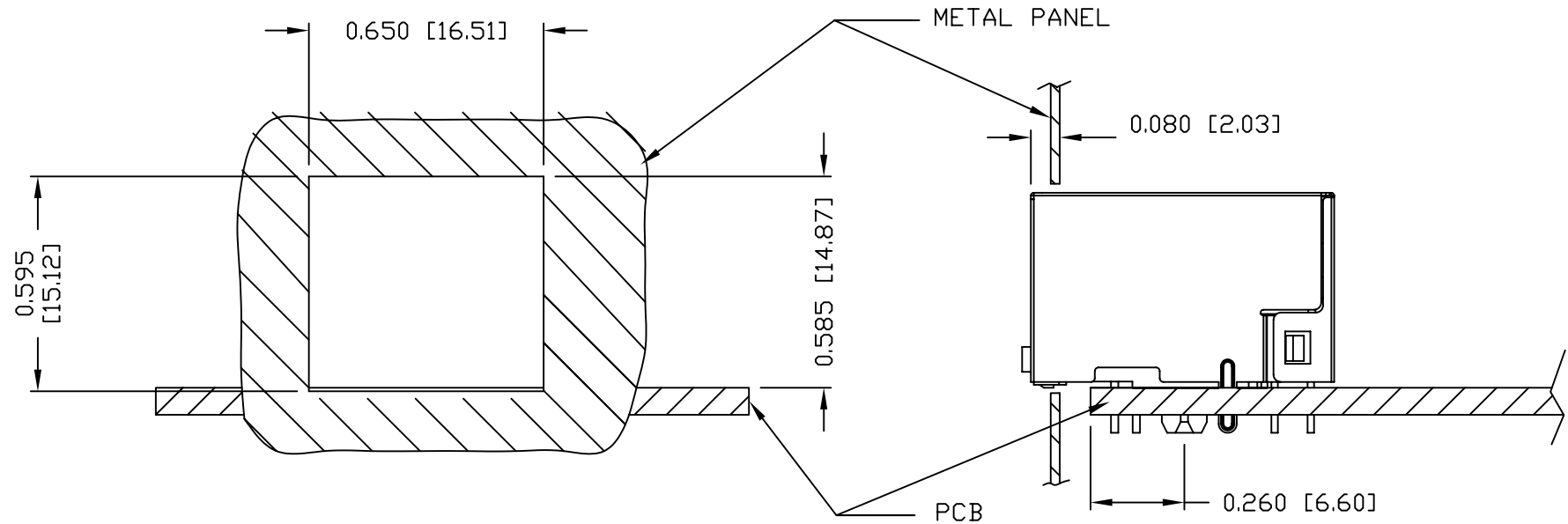


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PRELIMINARY

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 : 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)

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	DRAWN BY XIAN JIAXIN		DATE 09-15-09		FILE NAME SI-61034-F_PA.DWG	UNIT : INCH [mm]	REV. : PA
					SCALE : N/A	SIZE : A4	
						PAGE : 5	