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LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
-	+	ORANGE	+	-	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	350% _H MIN.
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DC RESISTANCE:

(RJ1-RJ2);(RJ3-RJ6)	1.2 ohms Max.
(RJ4-RJ5);(RJ7-RJ8)	1.2 ohms Max.

INS. LOSS

1MHz TO 100MHz	-1.1 dB MAX
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RET. LOSS (MIN)

1MHz-40MHz	-18 dB
60MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK:

1MHz - 100MHz	-35 dB MIN
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CM TO CM REJ

1MHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

1500 Vrms

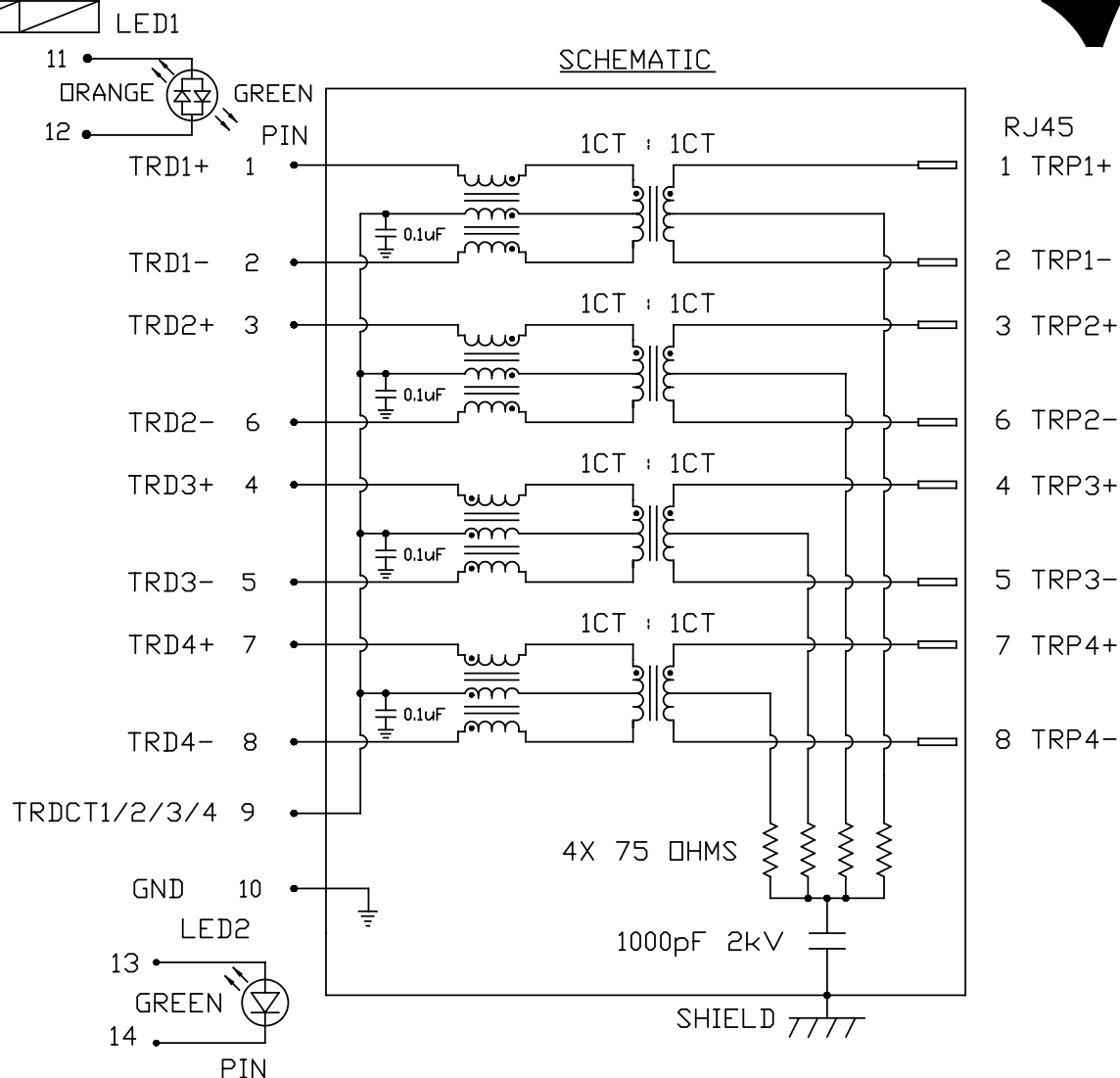
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1

V _F (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		ORANGE	610nm TYP.

LED 2

V _F (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.

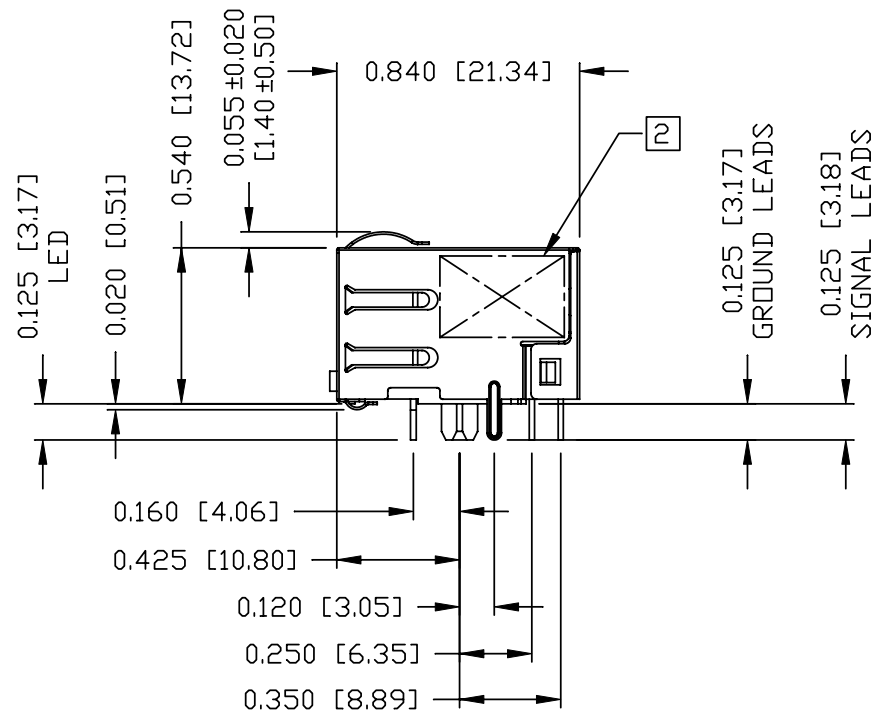
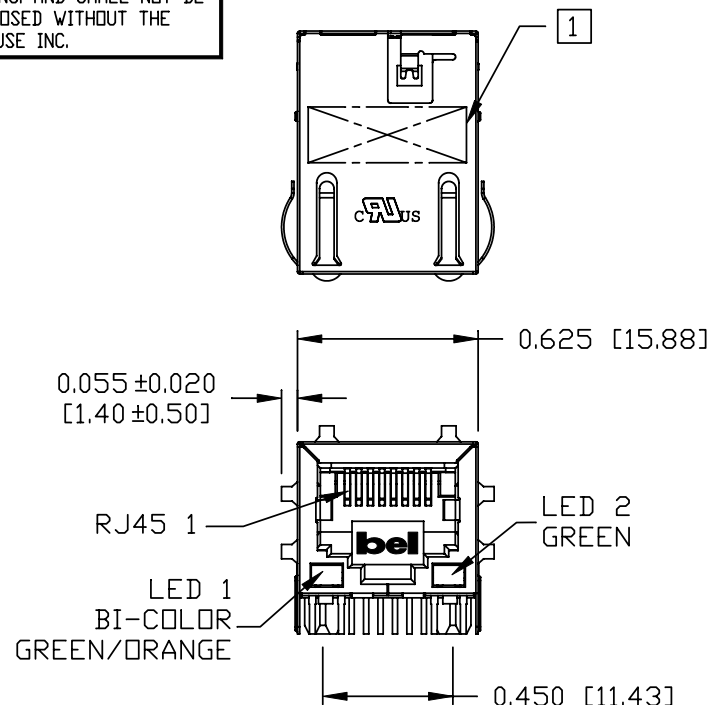


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	05-06-10	Gigabit MagJack®	SI-61031-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	(WITH LED)	FILE NAME	.X	SCALE : N/A SIZE : A4
LI YONGFENG	05-06-10	PATENTED	SI-61031-F_A.DWG	.XX	PAGE : 2
				.XXX	



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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)

1 MARK PART WITH MFG PART NUMBER(SI-61031-F), DATE CODE AND PATENTED.

2 MARK PART WITH MFG LOGO, MFG NAME.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117 AND U.S. PAT. 6,840,817.

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

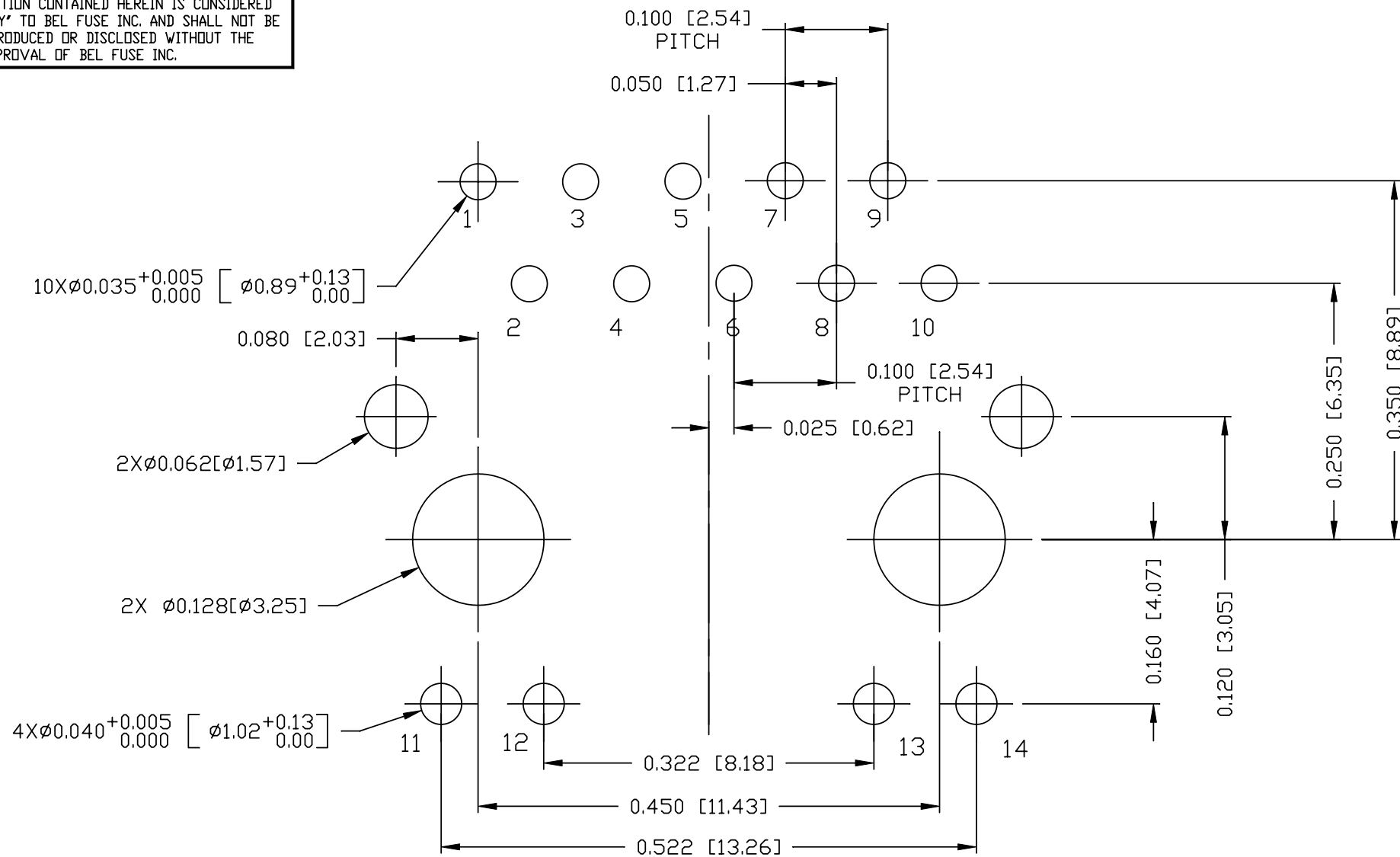
UL RECOGNIZED - FILE #E132408.

ORIGINATED BY	DATE	TITLE Gigabit MagJack® (WITH LED) PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
BILL CHEN	05-06-10		SI-61031-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
SALLY LUO	05-06-10		SI-61031-F_A.DWG	.XX			PAGE : 3	
			.XXX	±0.010				



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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BILL CHEN	05-06-10	Gigabit MagJack®	SI-61031-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	(WITH LED) PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
SALLY LUO	05-06-10		SI-61031-F_A.DWG	.XXX ±0.004	PAGE : 4

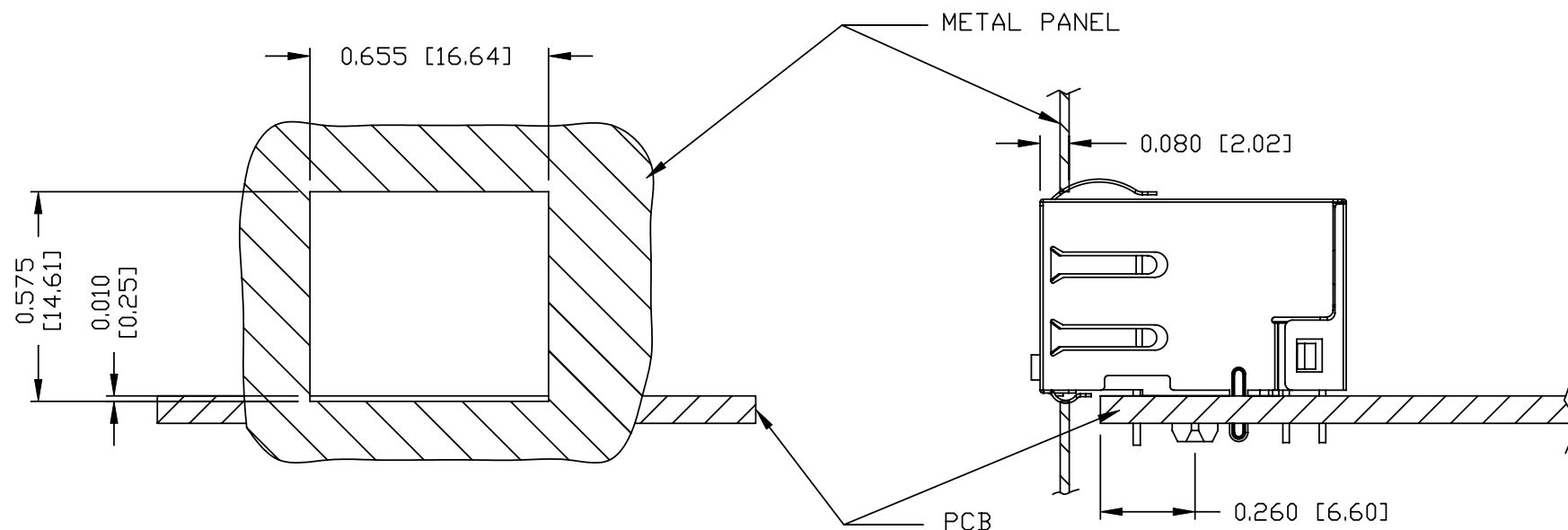


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SUGGESTED PANEL OPENING



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 : 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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
BILL CHEN	05-06-10	Gigabit MagJack® (WITH LED) PATENTED	SI-61031-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX		PAGE : 5	
SALLY LUO	05-06-10		SI-61031-F_A.DWG	.XXX	±0.004		

