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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 ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.

DC RESISTANCE:

(RJ1-RJ2);(RJ3-RJ6)	1.4 ohms Max.
(RJ4-RJ5);(RJ7-RJ8)	1.4 ohms Max.

INS. LOSS

100KHz TO 100MHz	-1.1 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK:

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

CM TO CM REJ

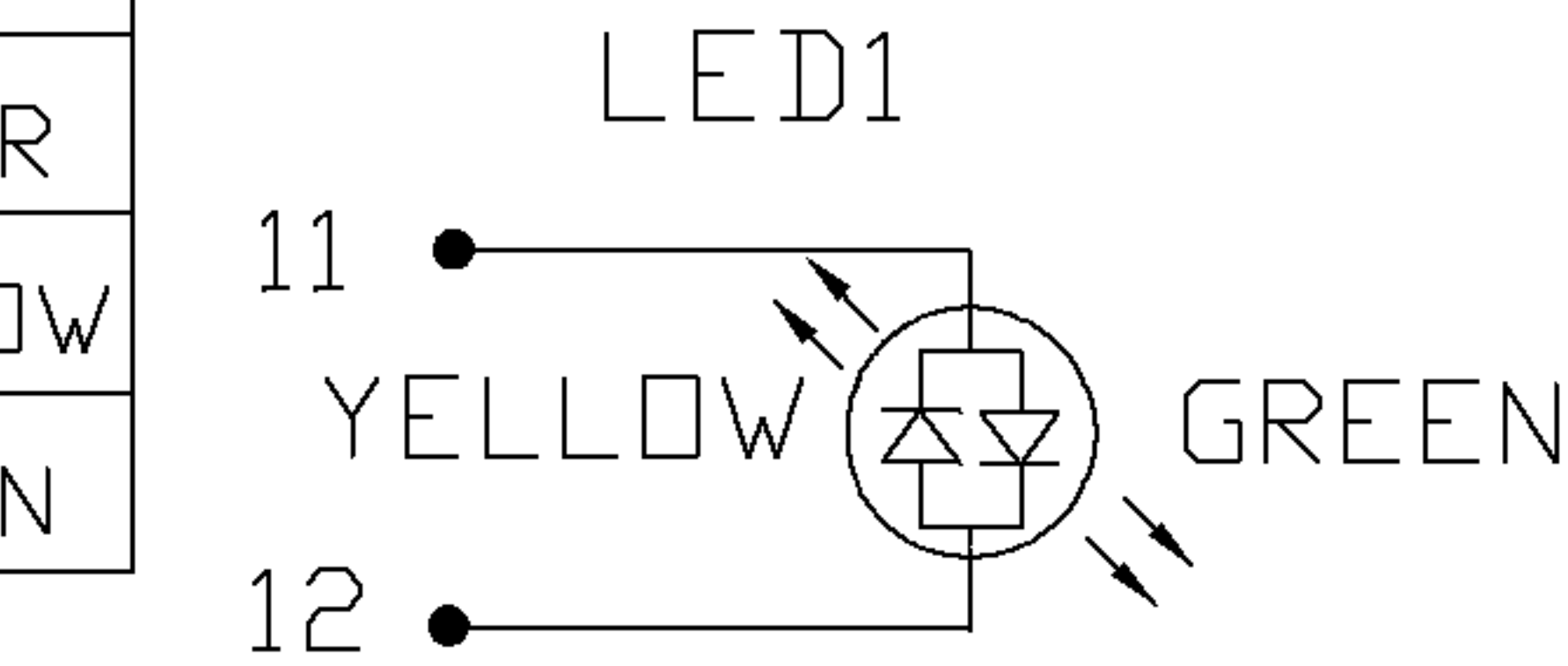
100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):	1500 Vrms
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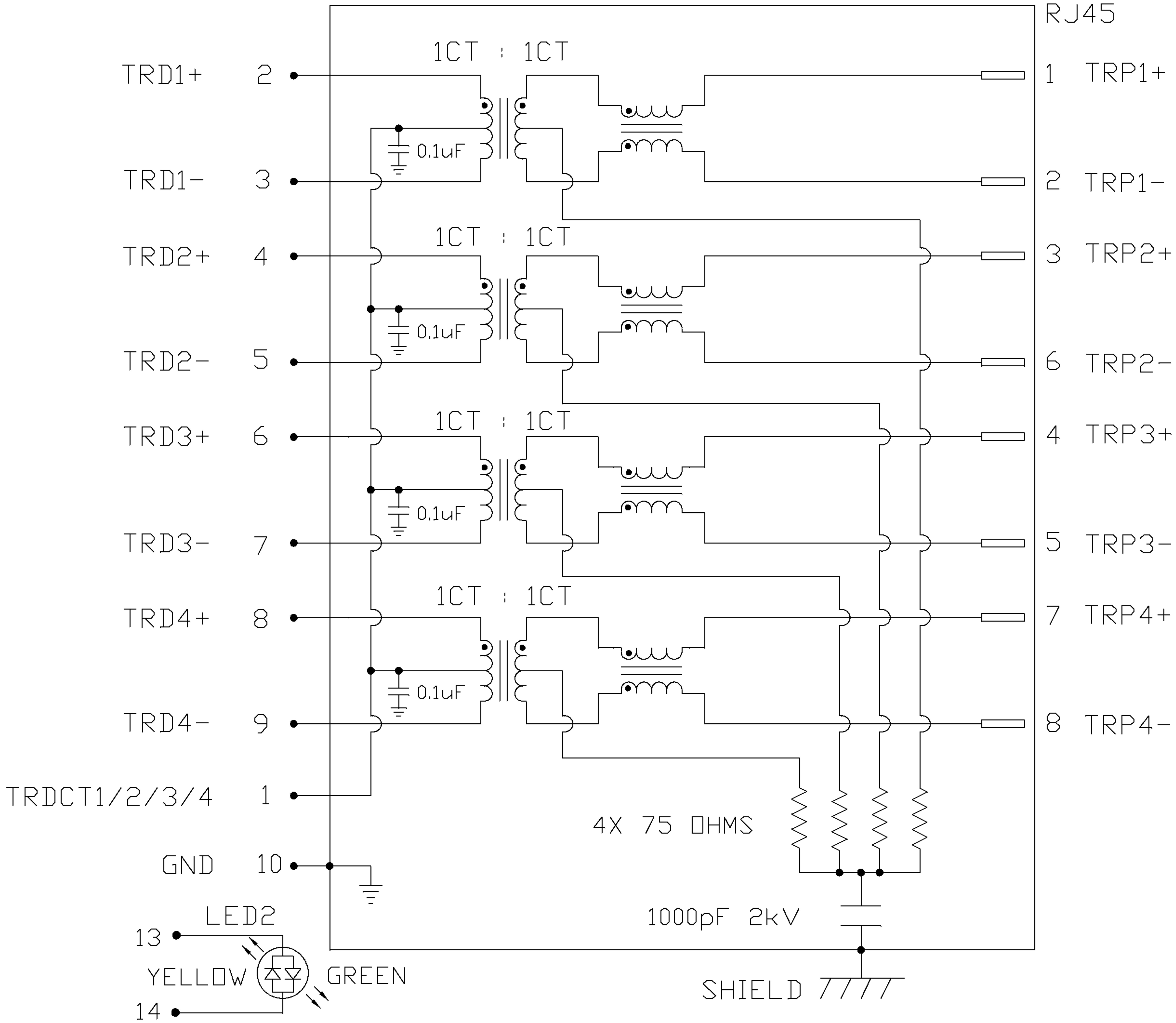
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

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.



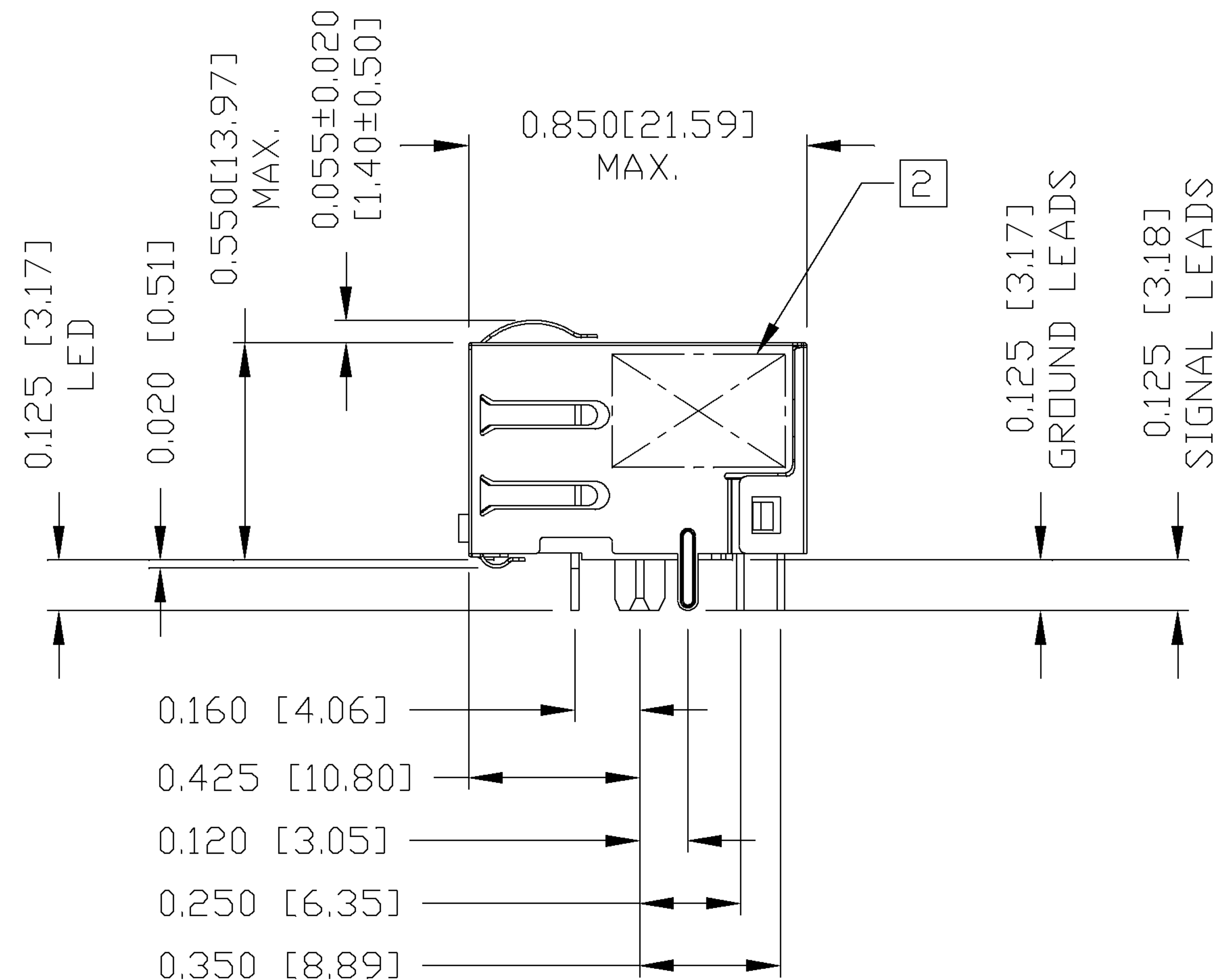
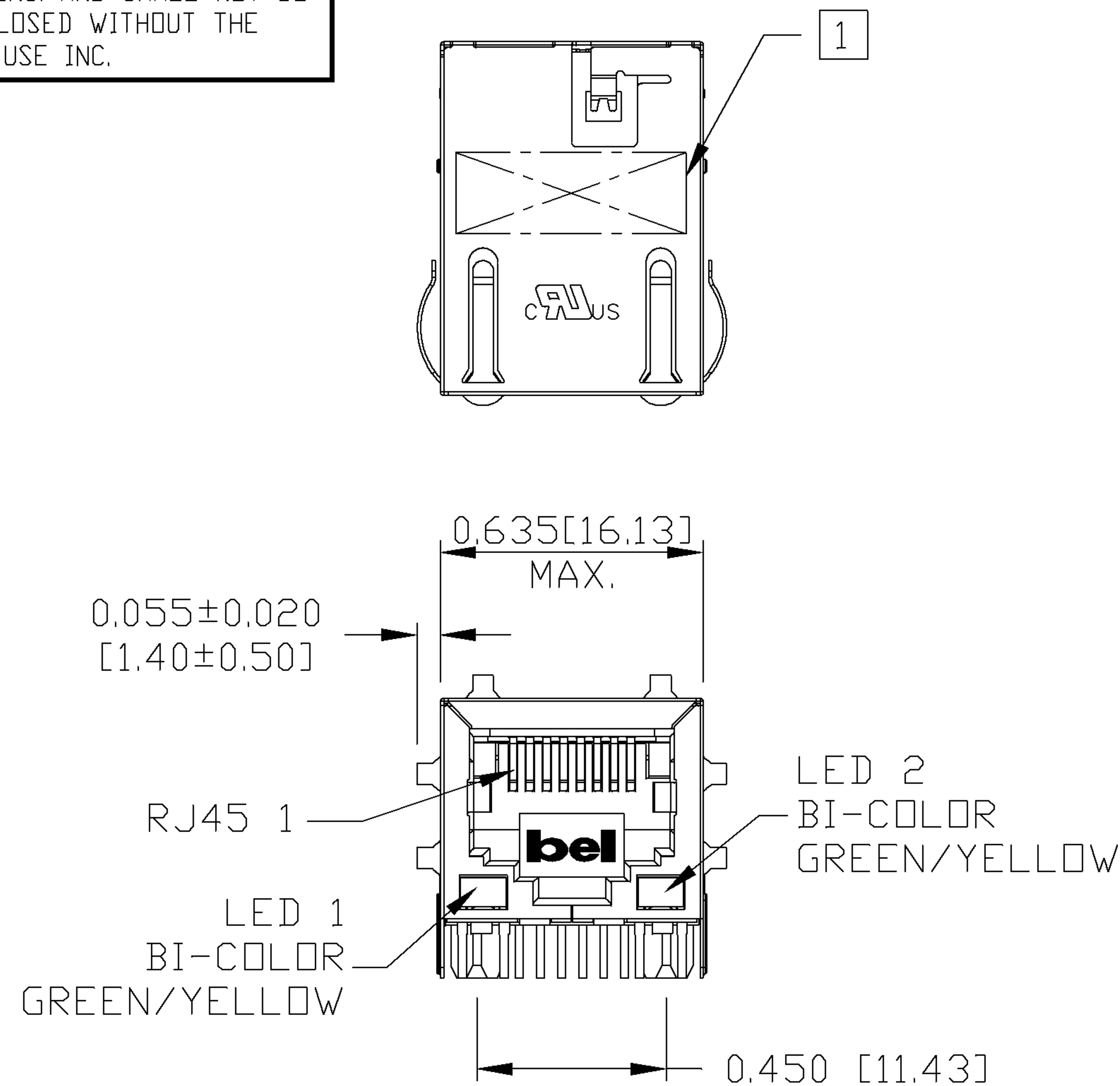
SCHEMATIC



ORIGINATED BY CHOW WANCHUNG	DATE 03-21-08	TITLE Gigabit MagJack®	PART NO. / DRAWING NO. SI-61023-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		
			FILE NAME SI-61023-F_A.DWG		.X		UNIT : INCH [mm]	REV. : A	
					.XX		SCALE : N/A	SIZE : A4	
					.XXX			PAGE : 2	

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RoHS
2002/95/EC



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-61023-F), DATE CODE.

2 MARK PART WITH MFG LOGO, MFG NAME.

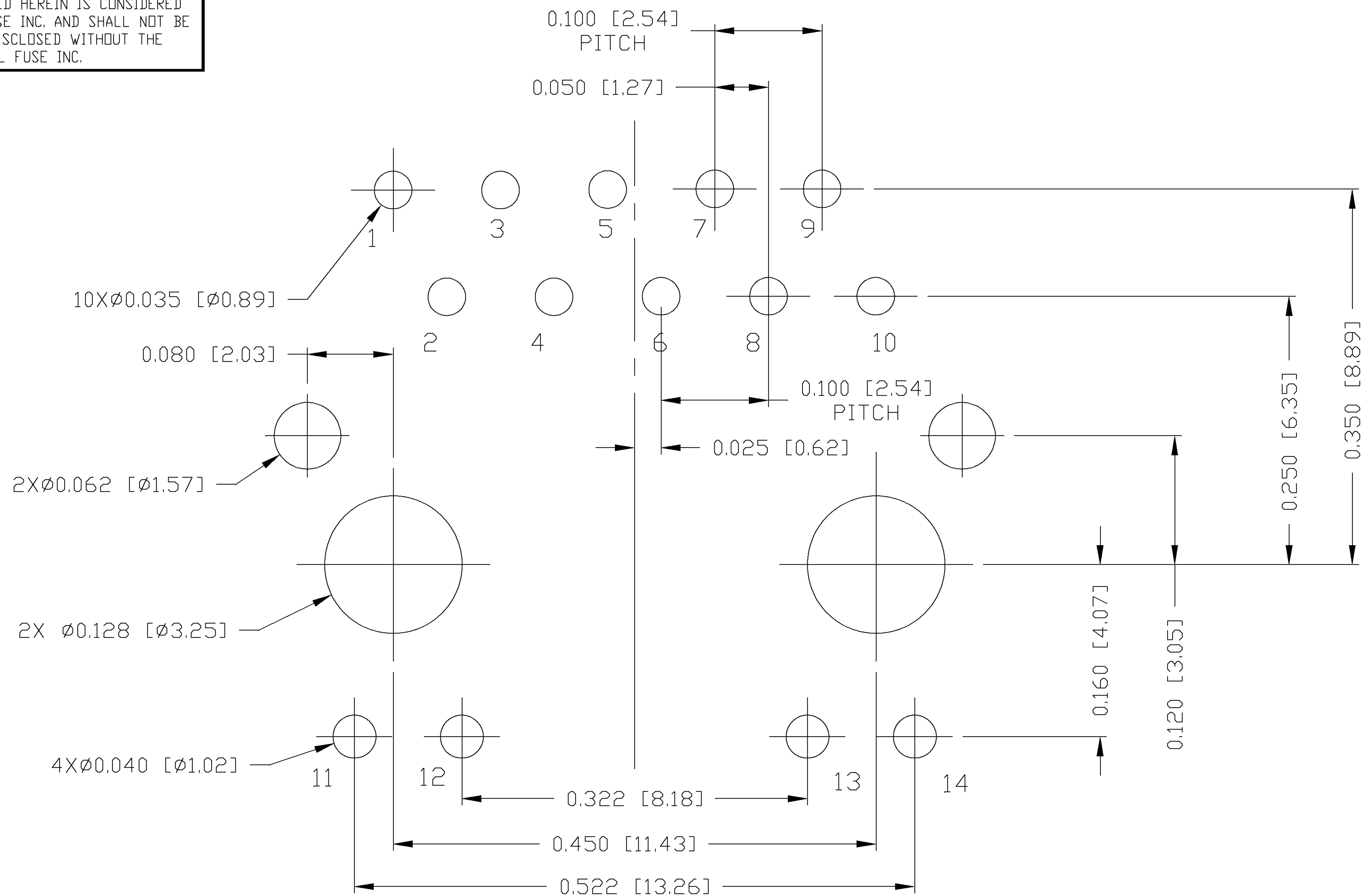
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

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

cULus UL RECOGNIZED - FILE #E132408.

ORIGINATED BY BILL CHEN	DATE 03-21-08	TITLE Gigabit MagJack®	PART NO. / DRAWING NO. SI-61023-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY SALLY LUD	DATE 03-21-08		FILE NAME SI-61023-F_A.DWG	.X		UNIT : INCH [mm]	REV. : A	
				.XX		SCALE : N/A	SIZE : A4	
		.XXX		±0.010		PAGE : 3		

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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

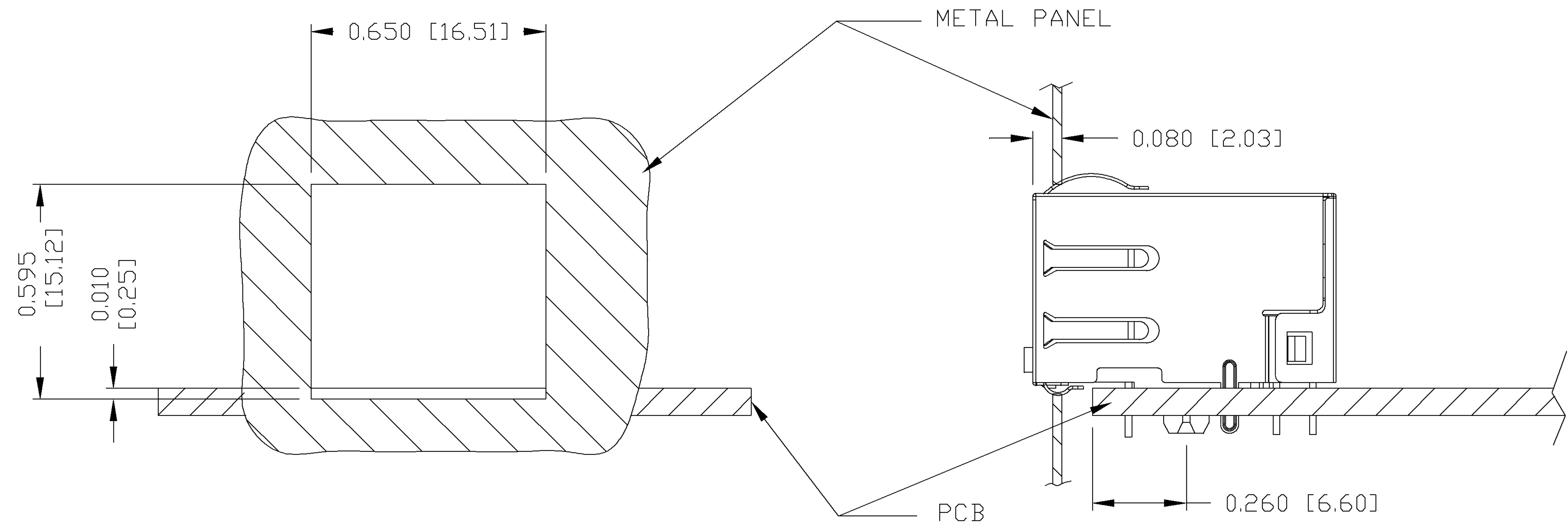
ORIGINATED BY BILL CHEN	DATE 03-21-08	TITLE Gigabit MagJack®	PART NO. / DRAWING NO. SI-61023-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
			FILE NAME SI-61023-F_A.DWG		.X		UNIT : INCH [mm]	REV. : A	
					.XX		SCALE : N/A	SIZE : A4	
DRAWN BY SALLY LUD	DATE 03-21-08				.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	03-21-08	Gigabit MagJack®	SI-61023-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
SALLY LUD	03-21-08		SI-61023-F_A.DWG	.XXX	±0.004		

