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

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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS 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.

INS. LOSS

100KHz TO 125MHz	-1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK:

Ch1-Ch2,Ch1-Ch3,Ch1-Ch4,Ch2-Ch3,Ch2-Ch4,Ch3-Ch4

1MHz - 30MHz	-35 dB MIN
30MHz - 80MHz	-24 dB MIN
80MHz - 100MHz	-25 dB MIN

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN

CM TO DM REJ

100kHz - 100MHz	-35 dB MIN

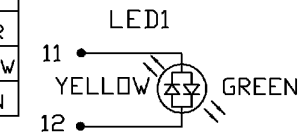
HIPOT (Isolation Voltage): 1500 Vrms

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

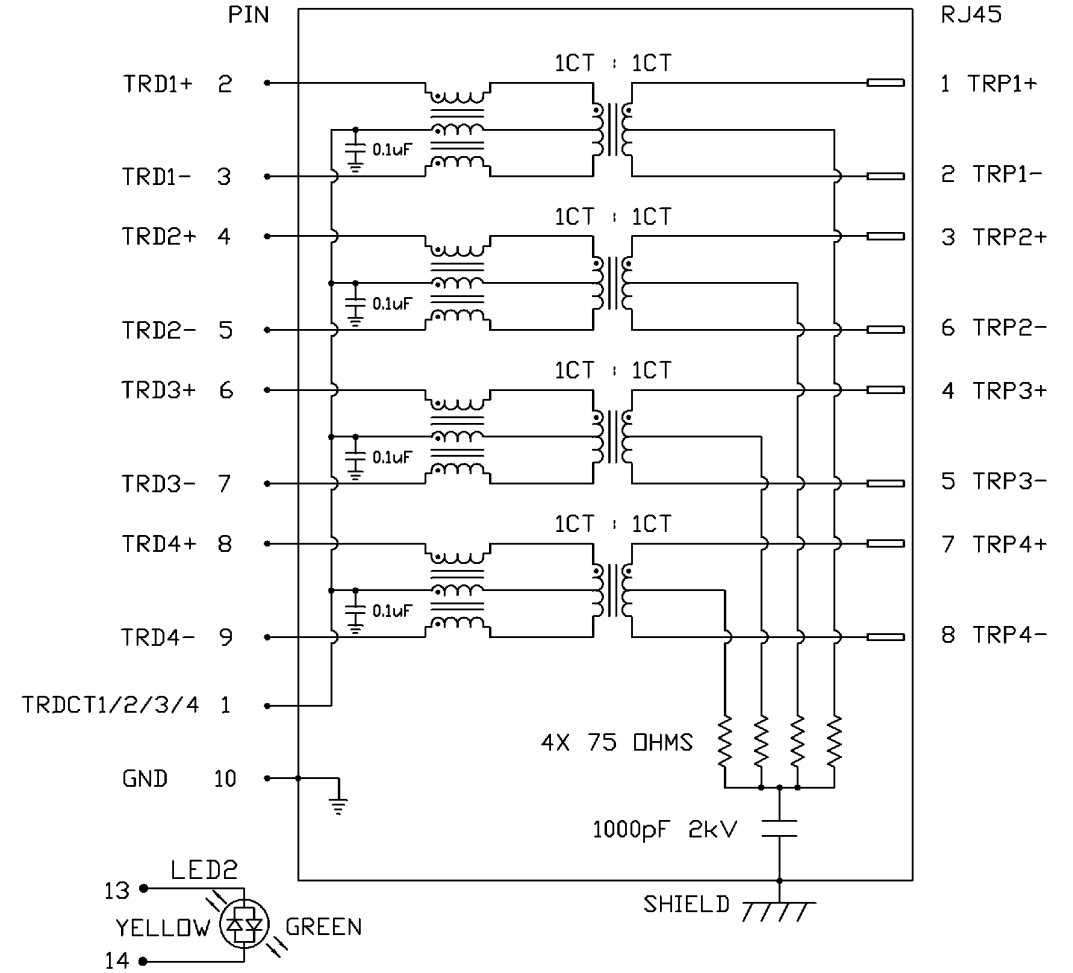
OPERATING TEMPERATURE RANGE: -40 TO +85℃

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: 07-11-08	TITLE: Gigabit MagJack® WITH LED Extend Temp.	PART NO. / DRAWING NO.: SI-61025-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: LI YONGFENG	DATE: 07-11-08		FILE NAME: SI-61025-F_A.DWG		UNIT : INCH [mm] / REV. : A
					SCALE : N/A / SIZE : A4
					PAGE : 2

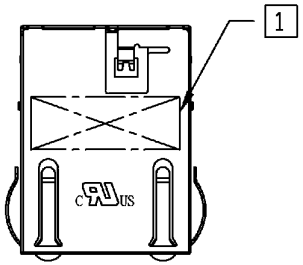
bel COMPONENTS FOR A CONNECTED PLANET

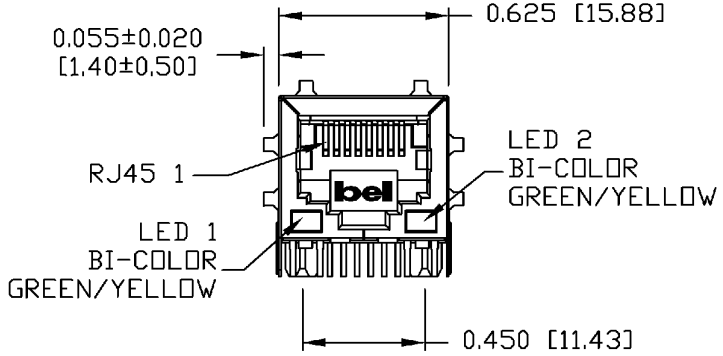
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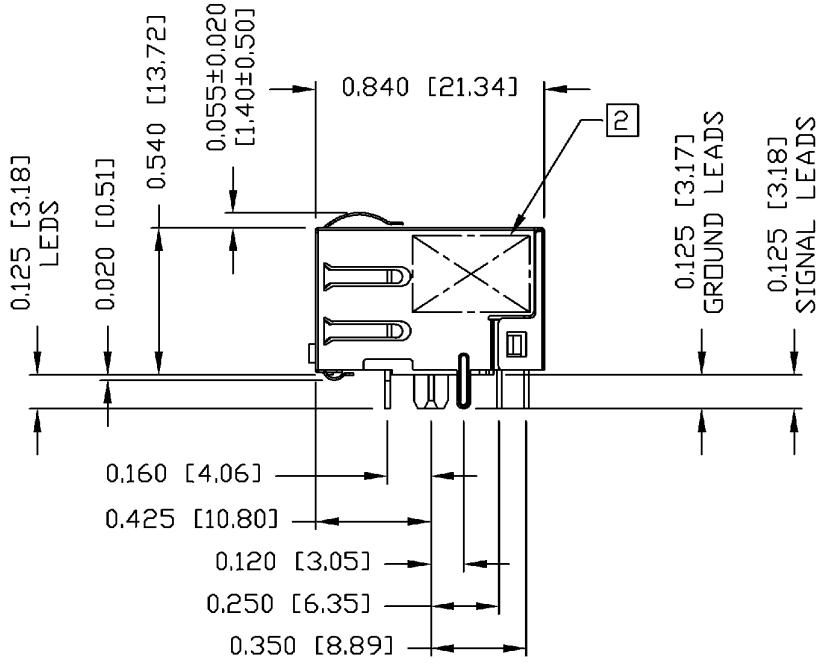
Please read our datasheet & drawing disclaimer here.

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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-61025-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.

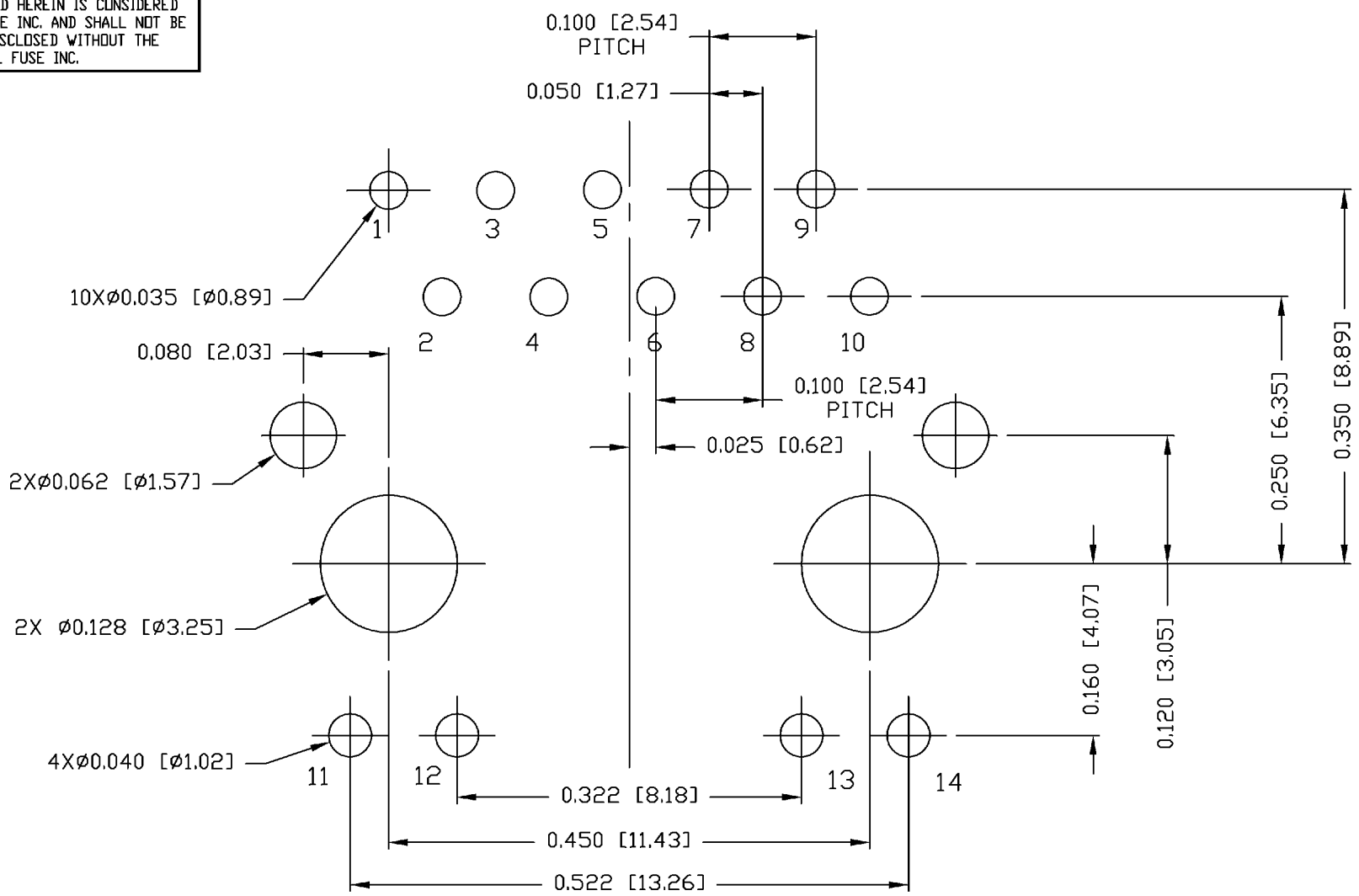
c UL us UL RECOGNIZED - FILE #E132408.

ORIGINATED BY: BILL CHEN	DATE: 07-11-08	TITLE: Gigabit MagJack® WITH LED Extend Temp.	PART NO. / DRAWING NO.: SI-61025-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.010	[ ] METRIC DIM. AS REFERENCE	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY: SALLY LUO	DATE: 07-11-08		FILE NAME: SI-61025-F_A.DWG		UNIT : INCH [mm] REV. : A SCALE : N/A SIZE : A4 PAGE : 3	

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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

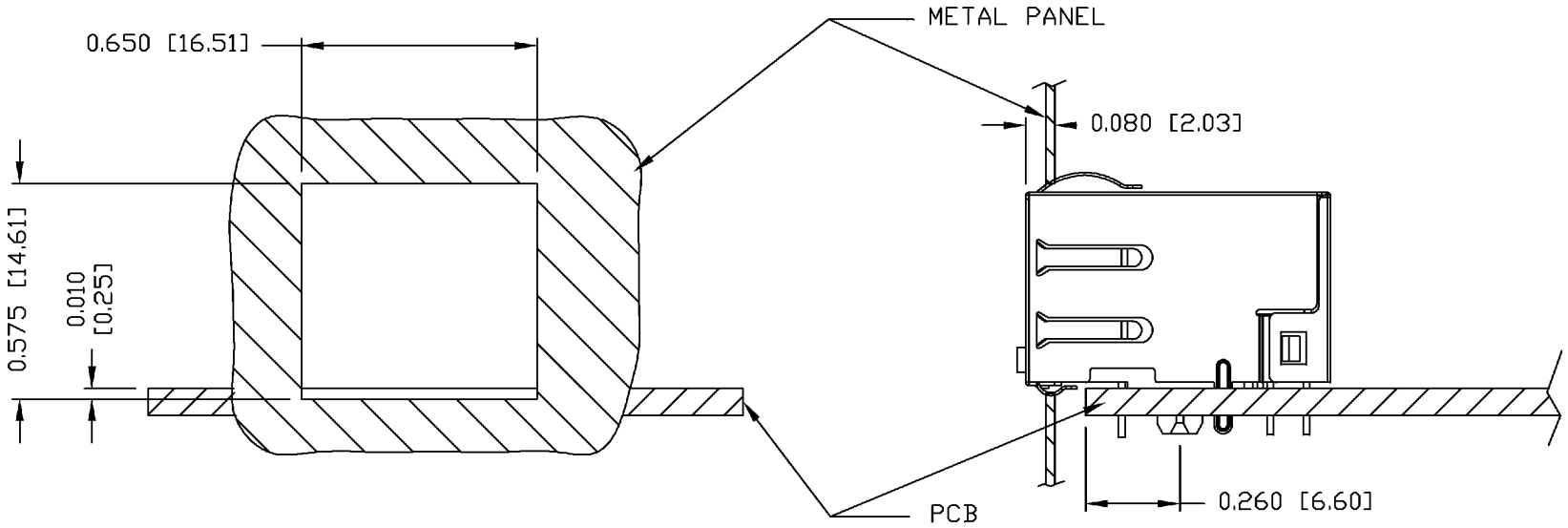
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SUGGESTED PANEL OPENING



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)

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