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



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

DCL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

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

RET. LOSS (MIN)

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

CROSS TALK:

1MHz - 60MHz -35 dB TYP
60MHz - 100MHz -25 dB TYP

CM TO CM REJ

1MHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

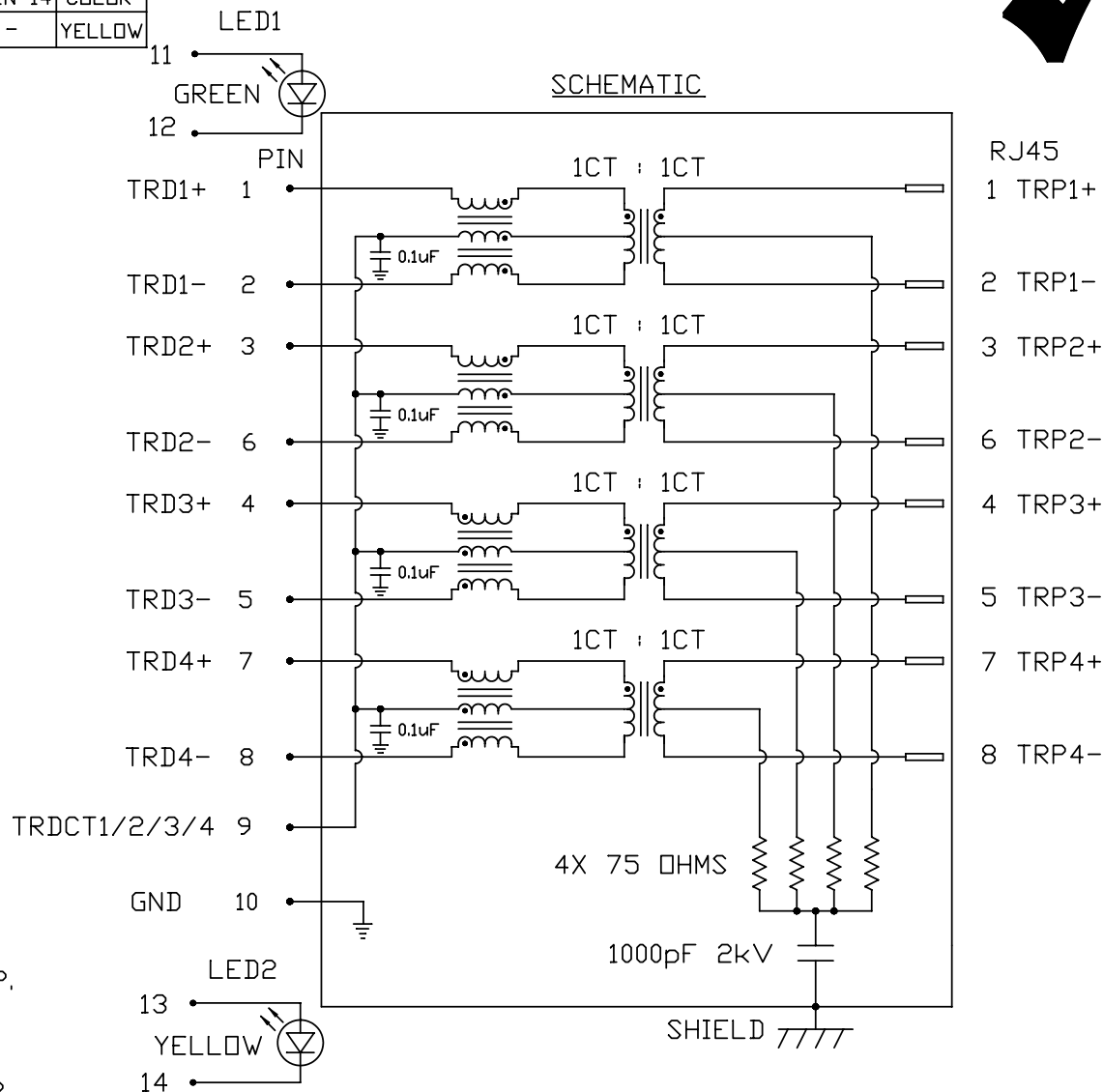
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1

V_F (FORWARD VOLTAGE) I_F=20mA GREEN 2.2V TYP.
λ_D (DOMINANT WAVELENGTH) I_F=20mA GREEN 565nm TYP.

LED 2

V_F (FORWARD VOLTAGE) I_F=20mA YELLOW 2.1V TYP.
λ_D (DOMINANT WAVELENGTH) I_F=20mA YELLOW 590nm TYP.



ORIGINATED BY	DATE
CHOW WANGCHUNG	07-15-09
DRAWN BY	DATE
ZENG DADI	07-15-09

TITLE
Gigabit MagJack® (WITH LED) PATENTED

PART NO. / DRAWING NO.
SI-61032-F
FILE NAME
SI-61032-F_A.DWG

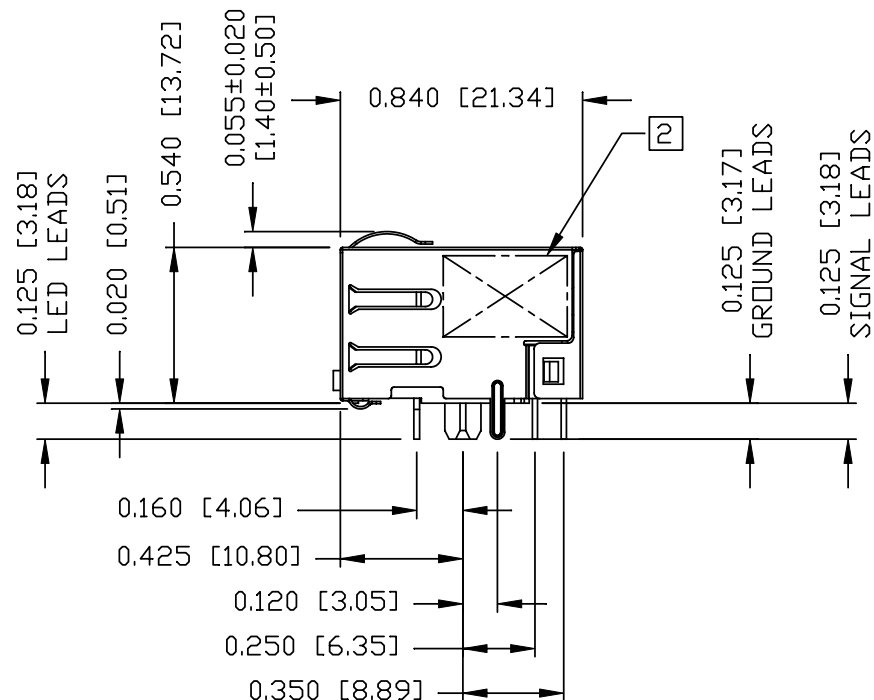
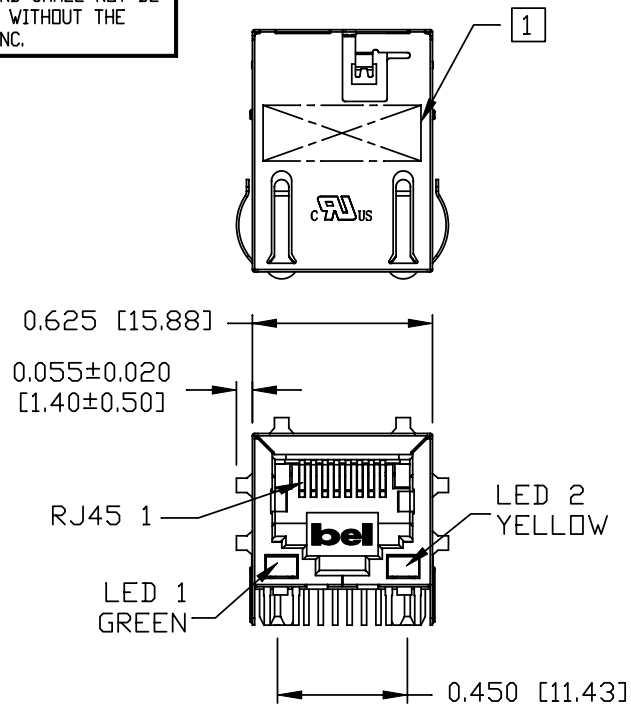
STANDARD DIM. TOL. IN INCH
.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE	
UNIT : INCH [mm]	REV. : A
SCALE : N/A	SIZE : A4
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-61032-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 IS U.S. PAT. 5,736,910.
- 5. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

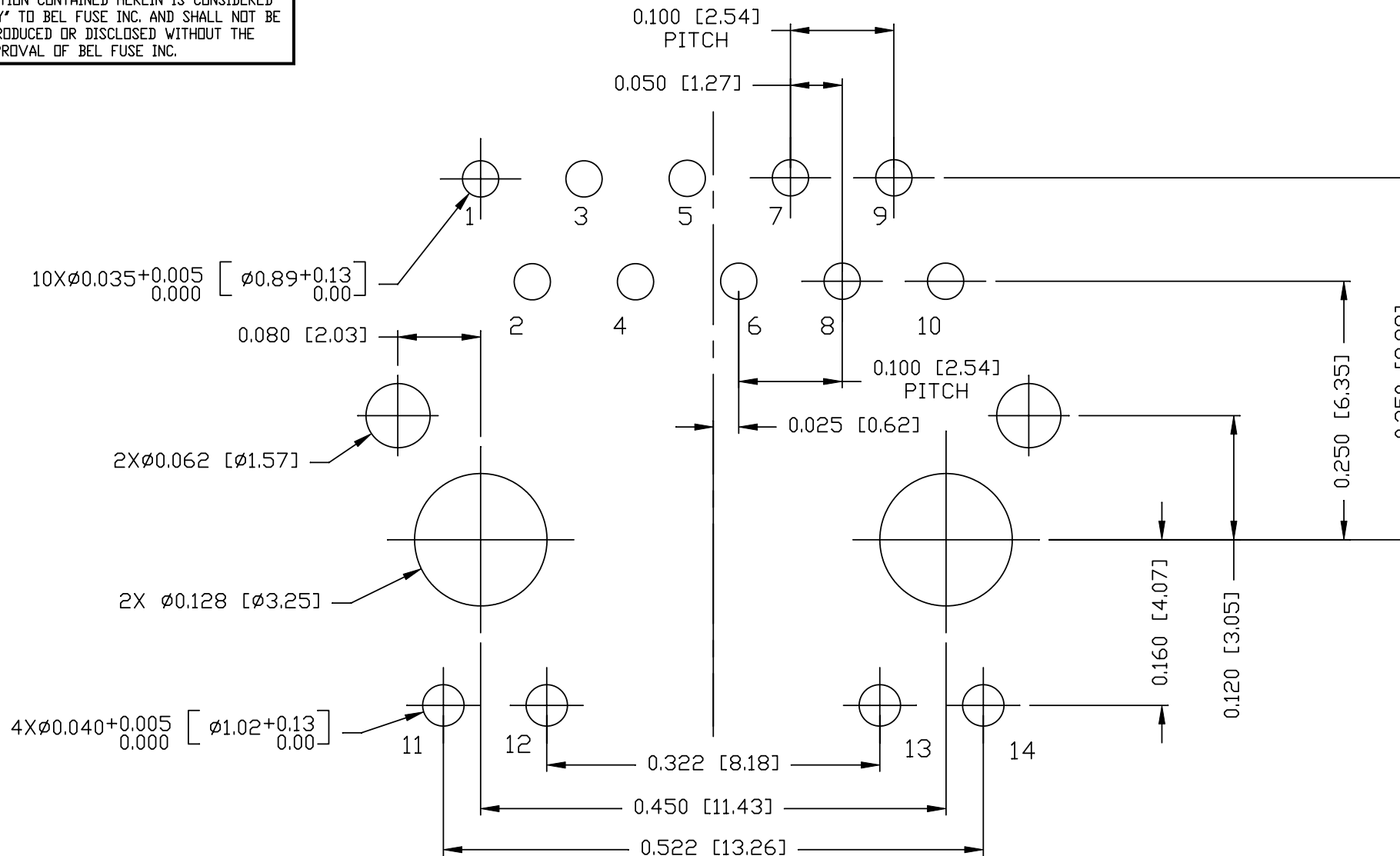
c UL RECOGNIZED - FILE #E132408.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		REV. : A	SIZE : A4	PAGE : 3
				.X	.XX	UNIT : INCH [mm]	SCALE : N/A			
BILL CHEN	07-15-09	Gigabit MagJack® (WITH LED) PATENTED	SI-61032-F	.X	/					
DRAWN BY	DATE		FILE NAME	.XX	/					
SALLY LUD	07-15-09		SI-61032-F_A.DWG	.XXX	±0.010					



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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

ORIGINATED BY BILL CHEN	DATE 07-15-09	TITLE Gigabit MagJack® (WITH LED) PATENTED	PART NO. / DRAWING NO. SI-61032-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY SALLY LUD	DATE 07-15-09		FILE NAME SI-61032-F_A.DWG	.X	UNIT : INCH [mm]	REV. : A
				.XX	SCALE : N/A	SIZE : A4
				.XXX ±0.004		PAGE : 4

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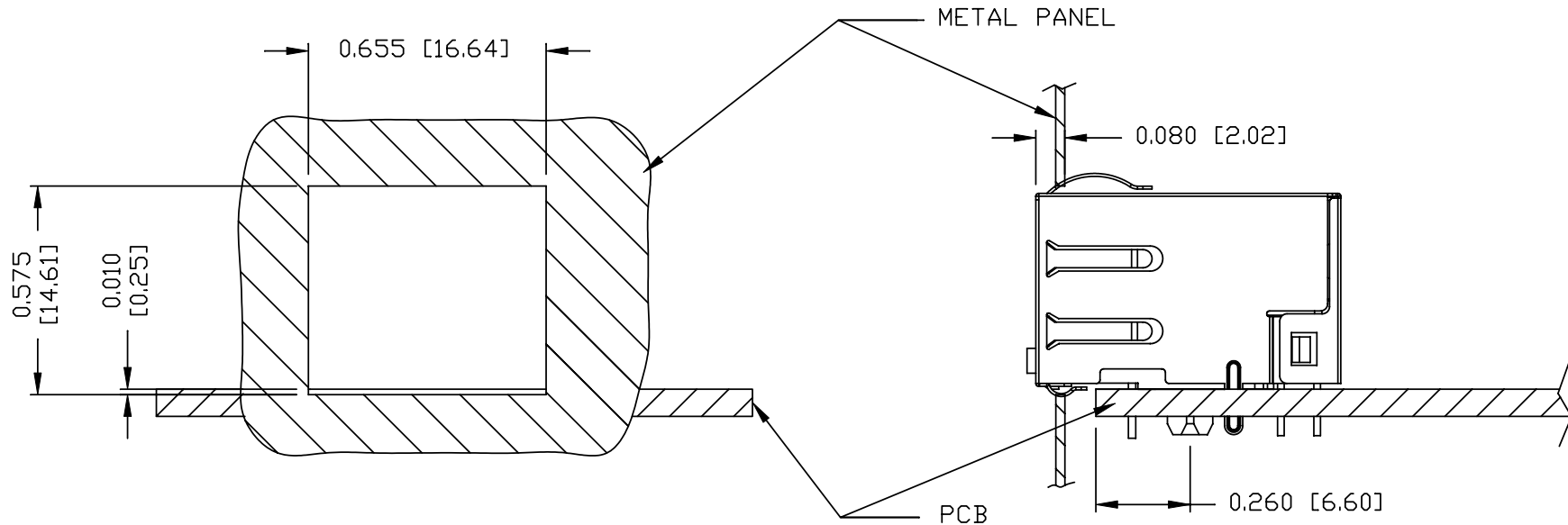
COMPONENTS FOR A
CONNECTED
PLANET

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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. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BILL CHEN	07-15-09	Gigabit MagJack® (WITH LED) PATENTED	SI-61032-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
SALLY LUD	07-15-09		SI-61032-F_A.DWG	.XXX ±0.004	⊕ —≡— PAGE : 5

