

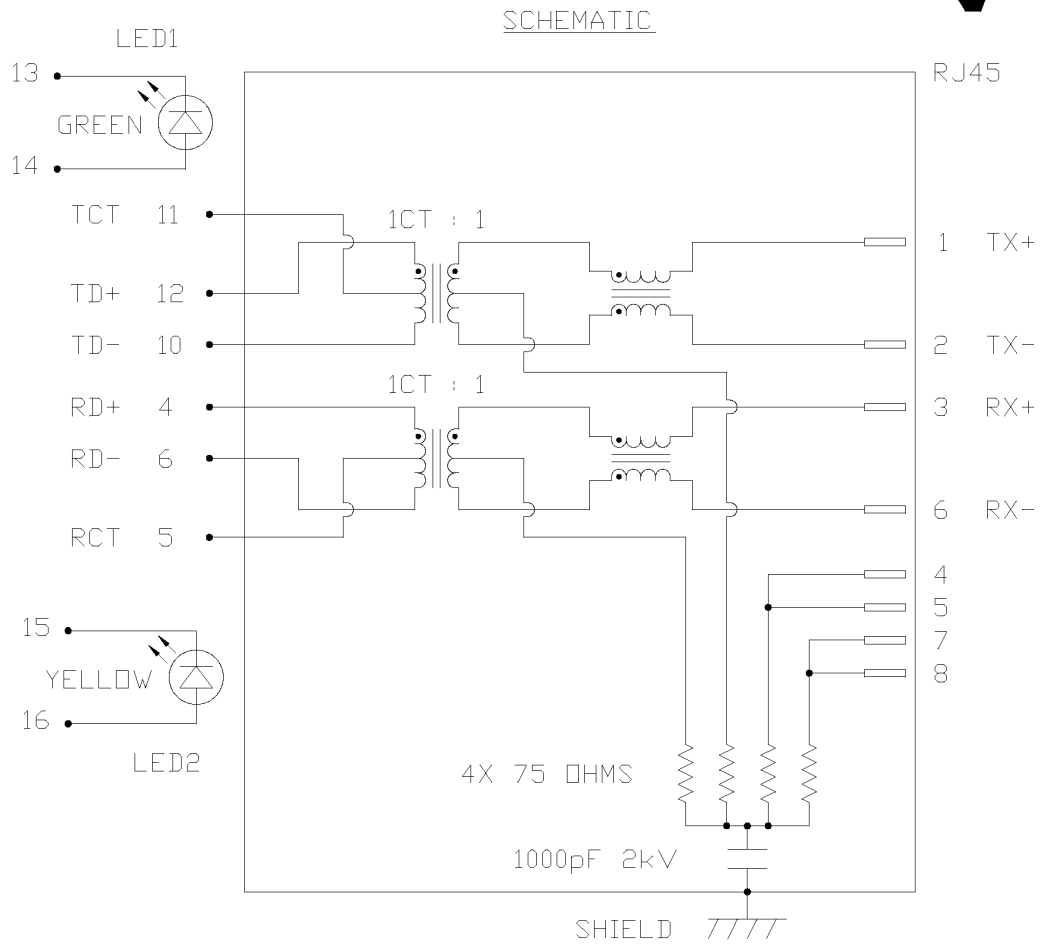
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LED1 POLARITY			LED2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
-	+	GREEN	-	+	YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO
 TX 1CT : 1
 RX 1CT : 1
 OCL @ 100kHz/100mVRMS (0-70°C)
 8mA DC BIAS 350µH MIN.
 INS. LOSS
 0.1MHz TO 1MHz -1.1 dB MAX
 1MHz TO 65MHz -0.5 dB MAX
 65MHz TO 100MHz -0.8 dB MAX
 100MHz TO 125MHz -1.2 dB MAX
 RET. LOSS (MIN) @ 100OHMS ±15%
 0.5MHz-40MHz -18 dB
 40MHz-100MHz -12+20LOG(f/80MHz) dB
 CM TO CM REJ
 100kHz - 100MHz -30 dB MIN
 CM TO DM REJ
 100kHz - 100MHz -35 dB MIN
 HIPOT (Isolation Voltage): 1500 Vrms or 2250 VDC
 100% OF PRODUCTION TESTED
 TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS
 LED 1
 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
 λ D (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
 LED 2
 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.
 λ D (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.
 MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.



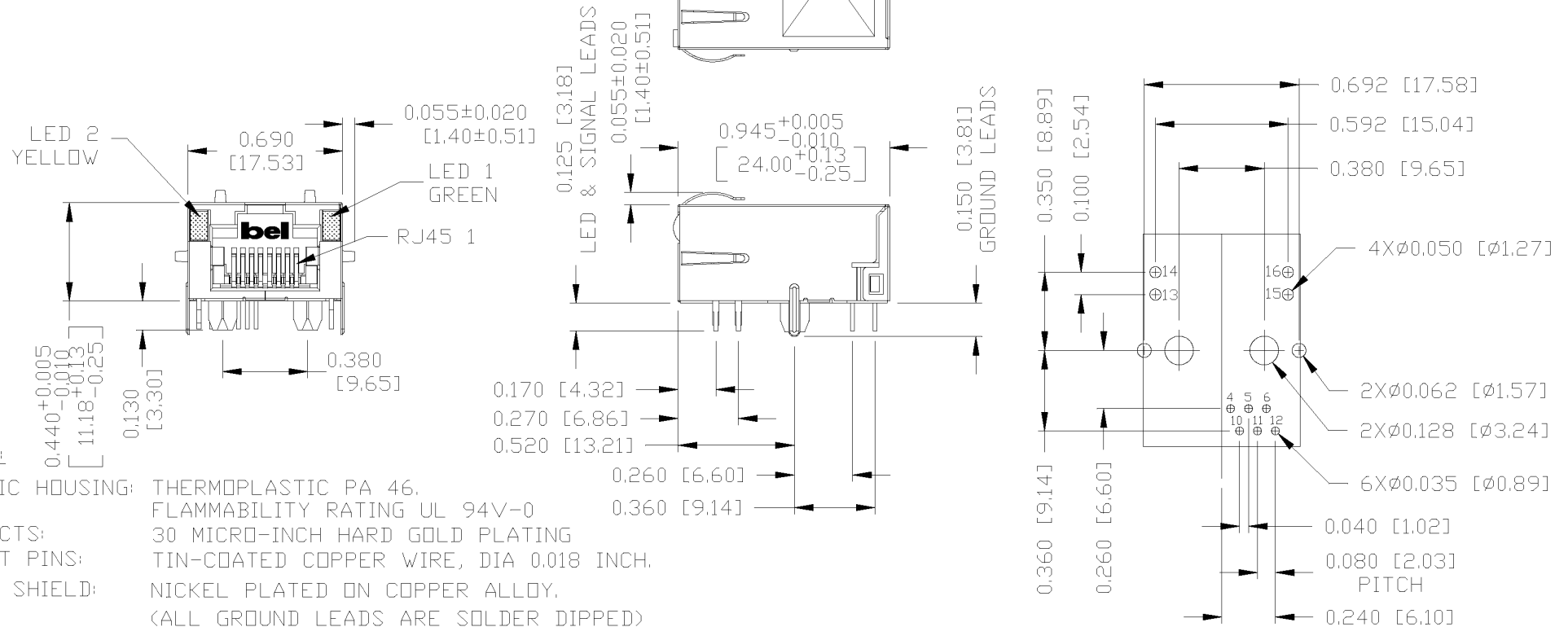
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET	
CHUNG	02-07-07	10/100 MagJack® (Ultra Low Profile)	L829-1D1T-91	TOL. IN INCH	UNIT : INCH [mm]		REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A		SIZE : A4
DE	02-07-07	L8291D1T91A.DWG	.XX		PAGE : 2		

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MECHANICAL SPECIFICATION



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA 46. FLAMMABILITY RATING UL 94V-0
- CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY. (ALL GROUND LEADS ARE SOLDER DIPPED)
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

[1] MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER (L829-1D1T-91), AND DATE CODE.

- 1. UL RECOGNIZED - FILE #E196366 AND E169987.
- 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ORIGINATED BY QIN/BILL	DATE 02-07-07	TITLE 10/100 MagJack® (Ultra Low Profile)	PART NO. / DRAWING NO. L829-1D1T-91	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
DRAWN BY TING	DATE 02-07-07		FILE NAME L8291D1T91A.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A REV. : A SIZE : A4 PAGE : 3

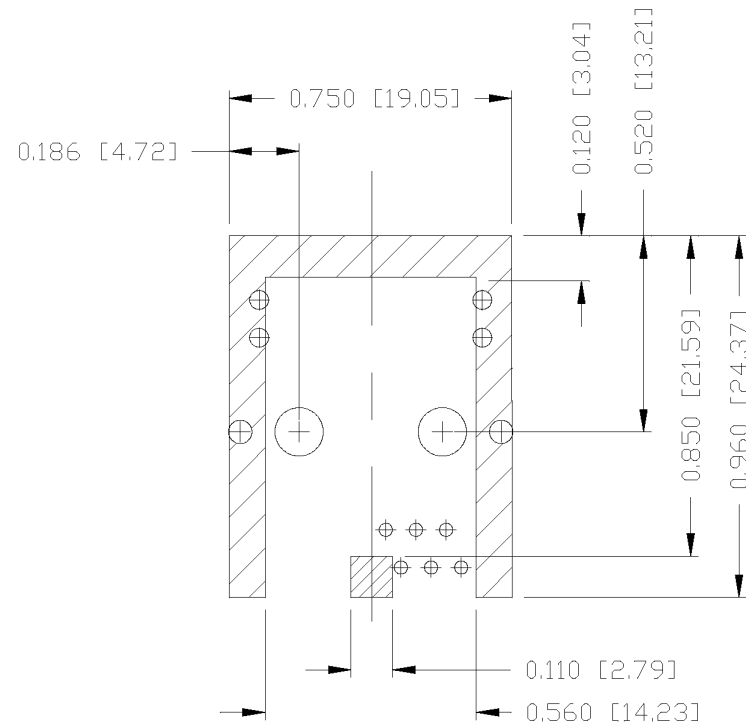


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SHIELD COVER AREA IN PCB



NOTES:

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

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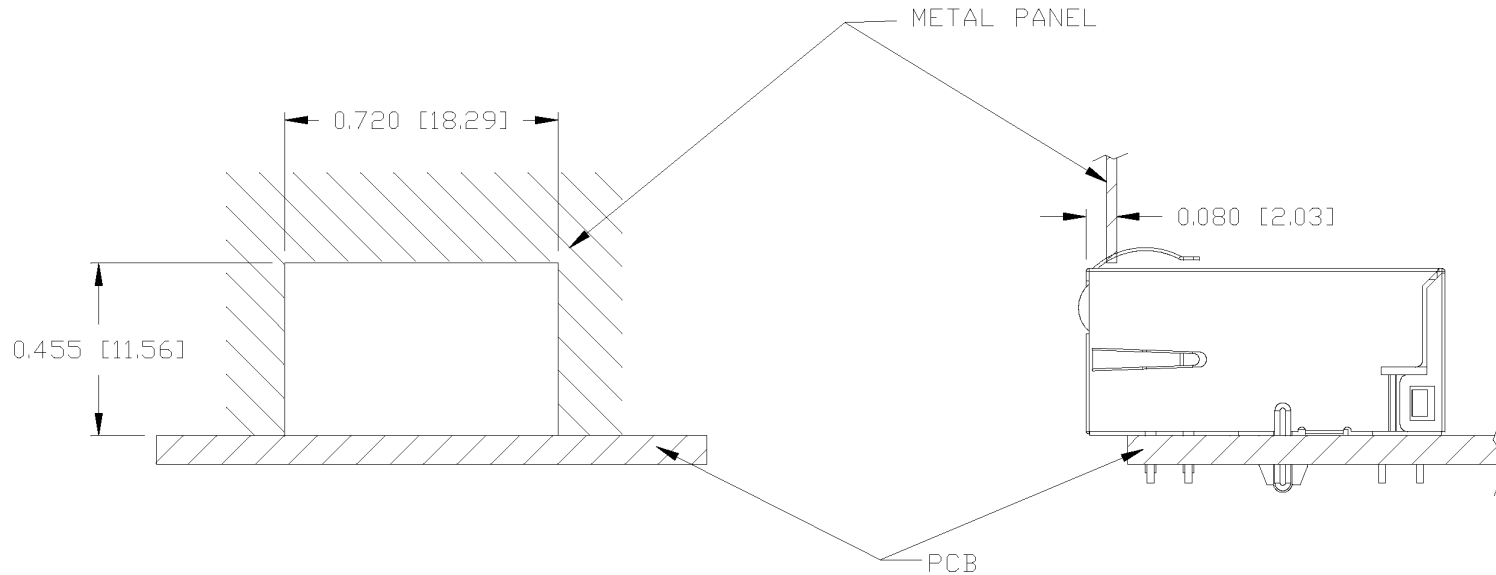


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SUGGESTED PANEL OPENING



NOTE:

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.

TRAY PACKING INFORMATION

PACKING TRAY : 0200-9999-E4 (TOP)
0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
11 TRAYS (660 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 TING	DATE 02-07-07		FILE NAME L8291D1T91A.DWG	.X .XX .XXX	±0.004		

