

LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	PIN 17	COLOR
-	+	YELLOW	-	+	/	ORANGE
/	/	/	/	+	-	GREEN
/	/	/	-	+	-	MIXED YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1

RX 1CT : 1

CL @ 100kHz/100mVRMS

8mA DC BIAS (0-70°C) 350μH MIN.

INS. LOSS

1MHz TO 100MHz -1.0 dB MAX

RET. LOSS (MIN) @100 OHMS ±15%

1MHz-30MHz -18 dB

30MHz-60MHz -18+20LOG(f/30MHz) dB

60MHz-80MHz -12 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 PRODUCT TESTED IN PRODUCTION

LED 1 (HI-TEMP)

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

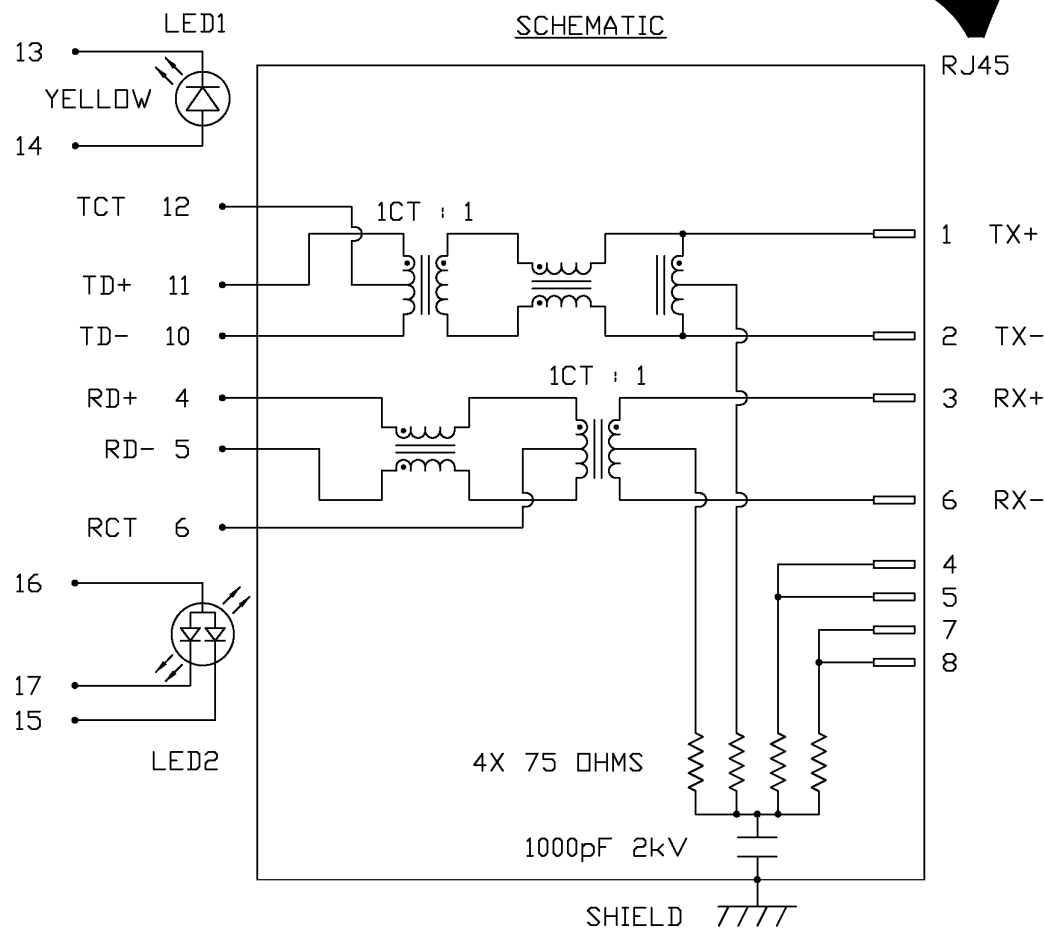
λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

LED 2 (HI-TEMP)

VF (FORWARD VOLTAGE) IF=20mA YELLOW GREEN 2.2V TYP.
AMBER 2.1V TYP.

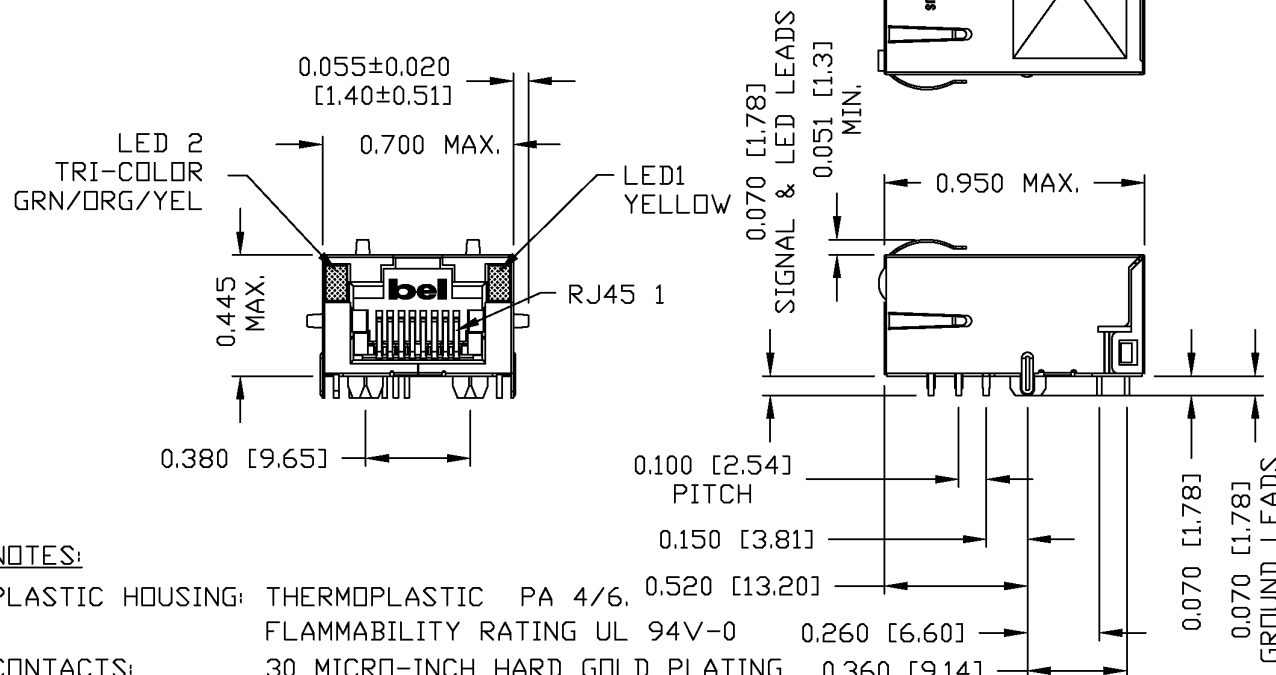
λD (DOMINANT WAVELENGTH) IF=20mA YELLOW GREEN 570nm TYP.
AMBER 607nm TYP.

MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHUNG	12-20-05	10/100 MagJack® (Ultra Low Profile)	L830-1J1T-47	TOL. IN INCH	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
DE	12-20-05		L8301J1T47B.DWG	.XX .XXX	PAGE : 2

MECHANICAL SPECIFICATION



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA 4/6, 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)

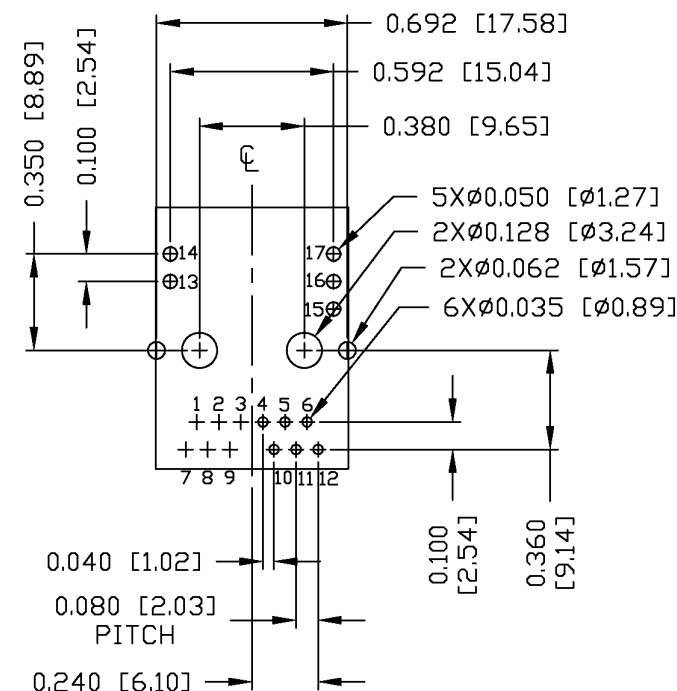
1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER(L830-1J1T-47), AND DATE CODE.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

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

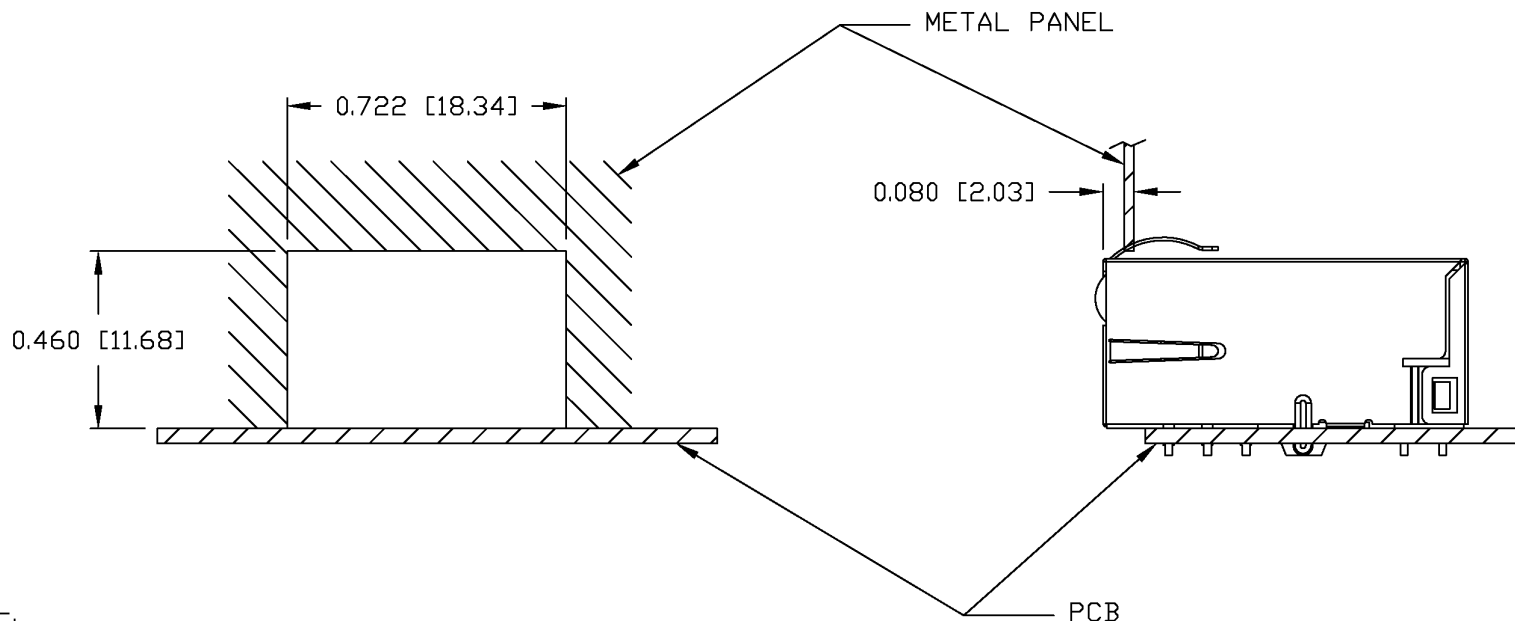
RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BANG	12-20-05	10/100 MagJack® (Ultra Low Profile)	L830-1J1T-47	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
LING	12-20-05		L8301J1T47B.DWG	.XXX ±0.010	PAGE : 3

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)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
BANG	12-20-05	10/100 MagJack® (Ultra Low Profile)	L830-1J1T-47	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 4
LING	12-20-05		L8301J1T47B.DWG	.XXX	±0.004		