

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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1

RX 1CT : 1

QCL @ 100kHz/100mVRMS

8mA DC BIAS (0-70°C) 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) @ 100 ΩHMS +/- 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 PRODUCT TESTED IN PRODUCTION

LED 1

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

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

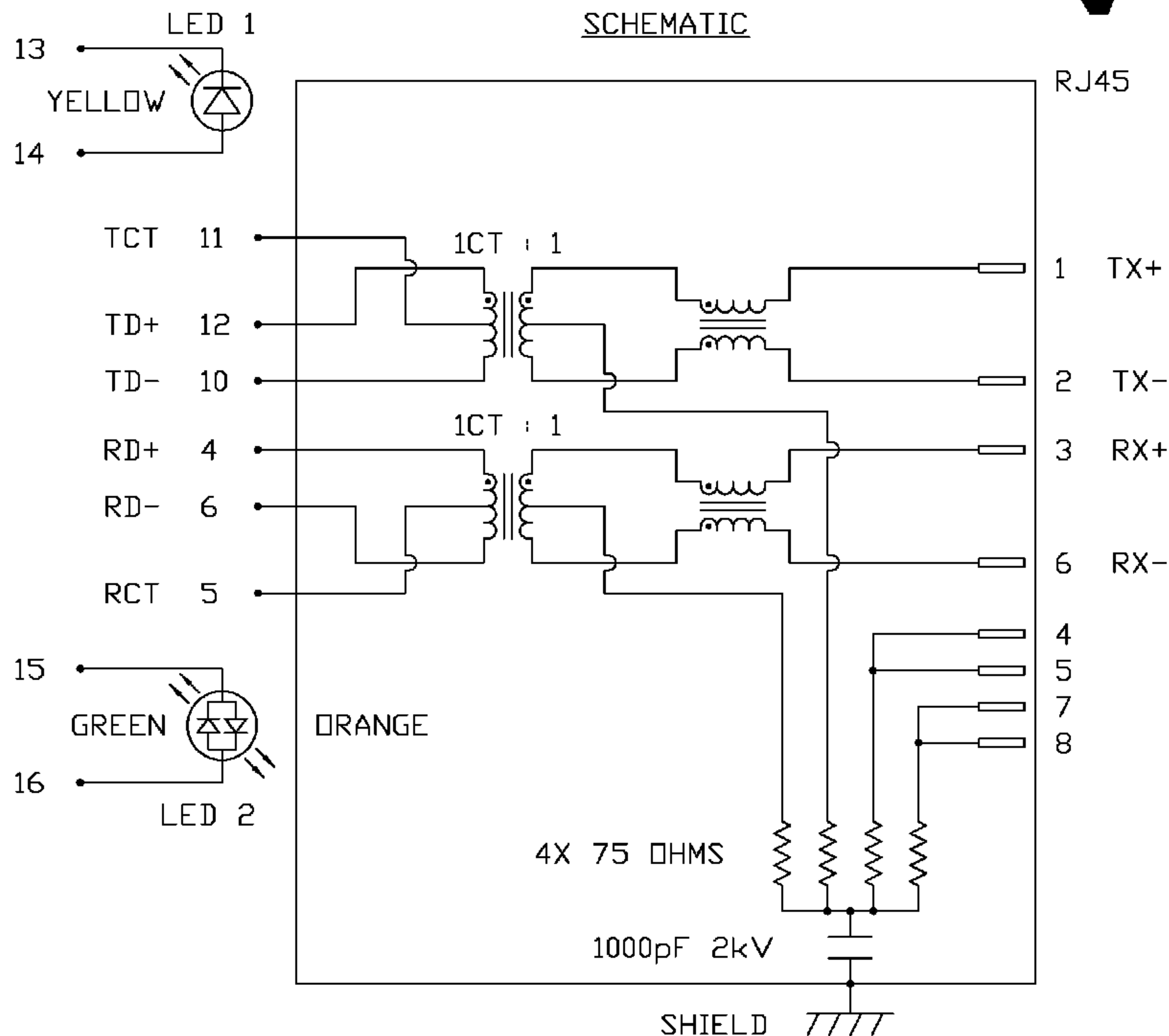
LED 2

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

ORANGE 2.0V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

ORANGE 610nm TYP.

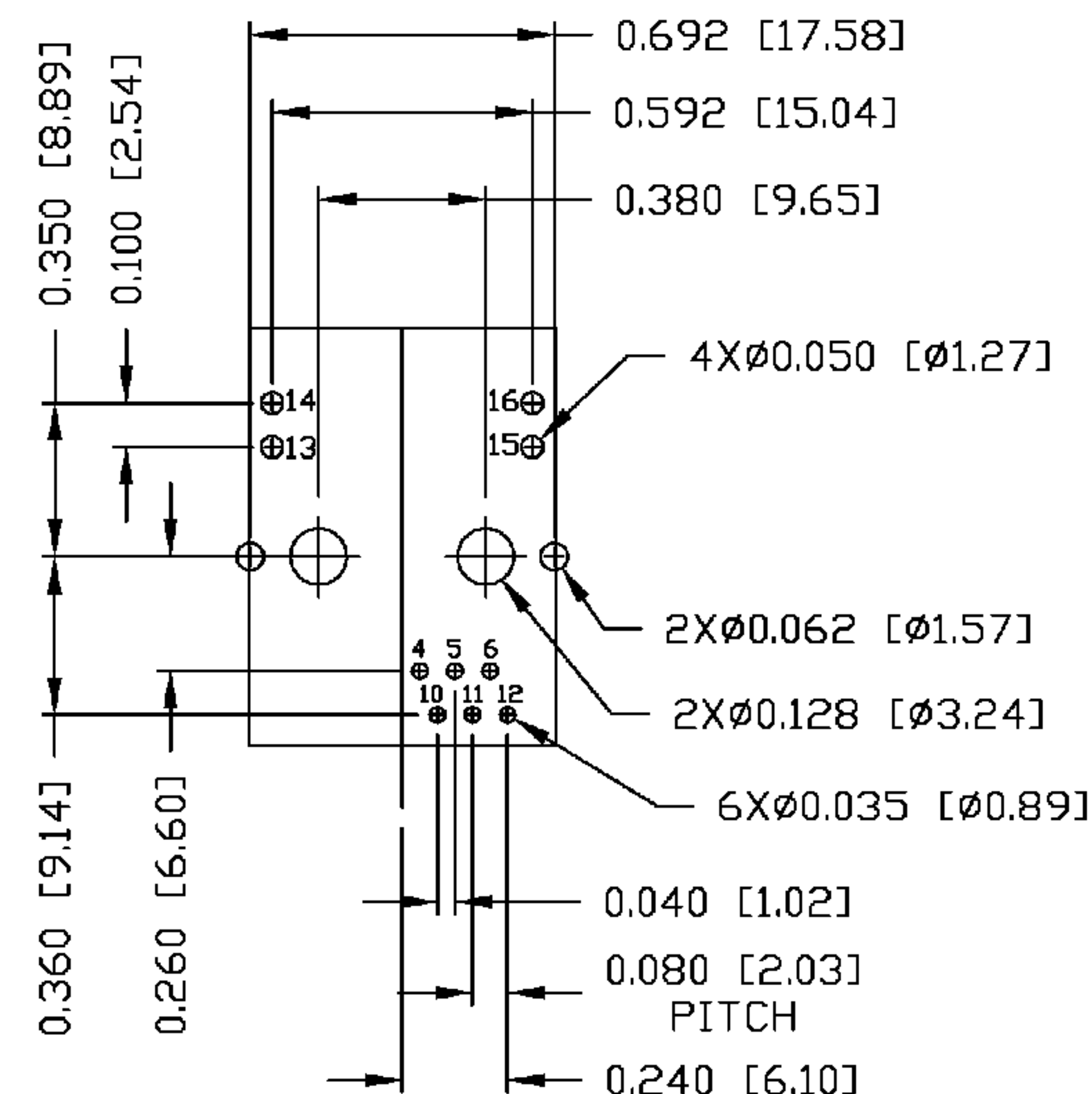
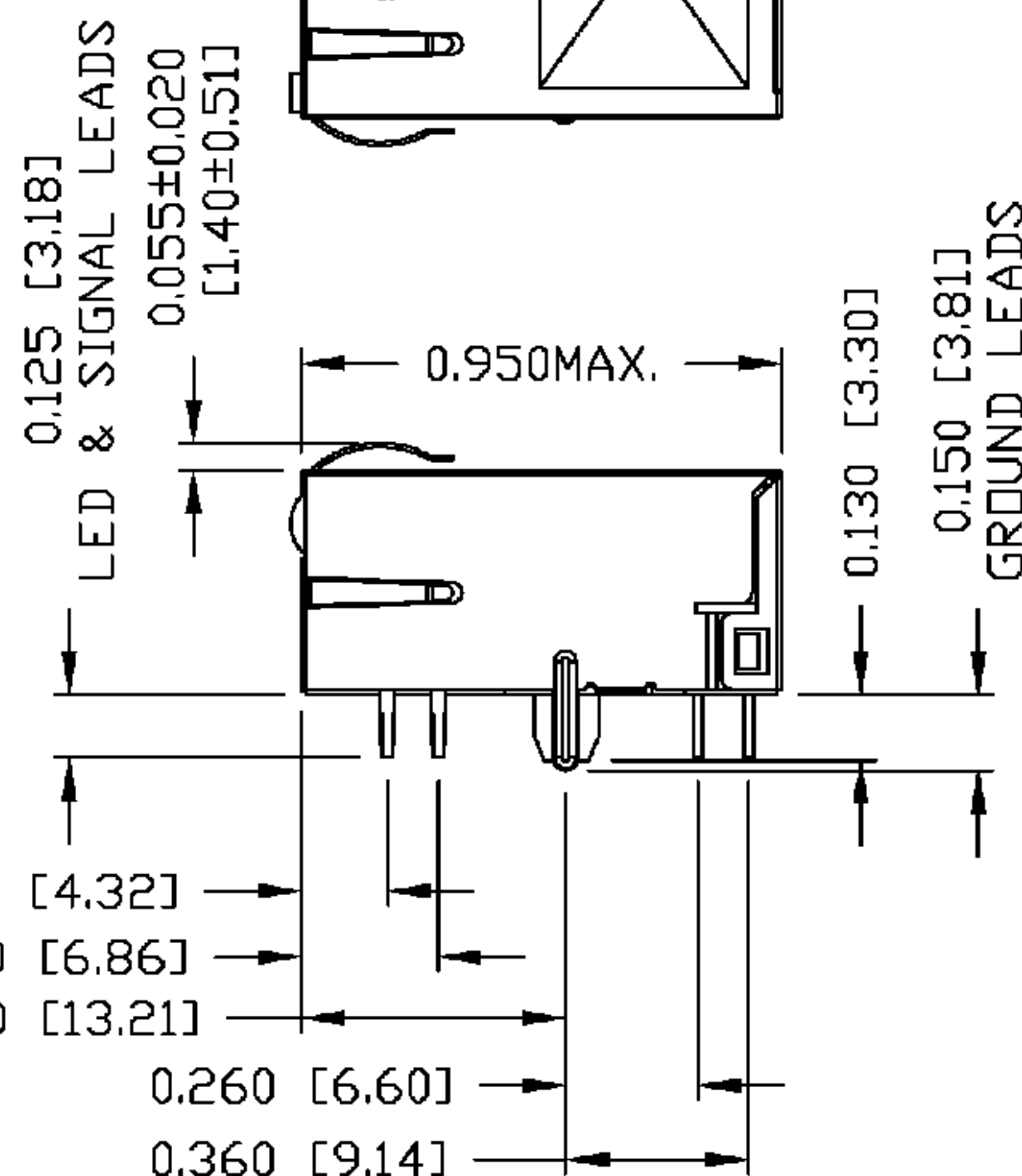
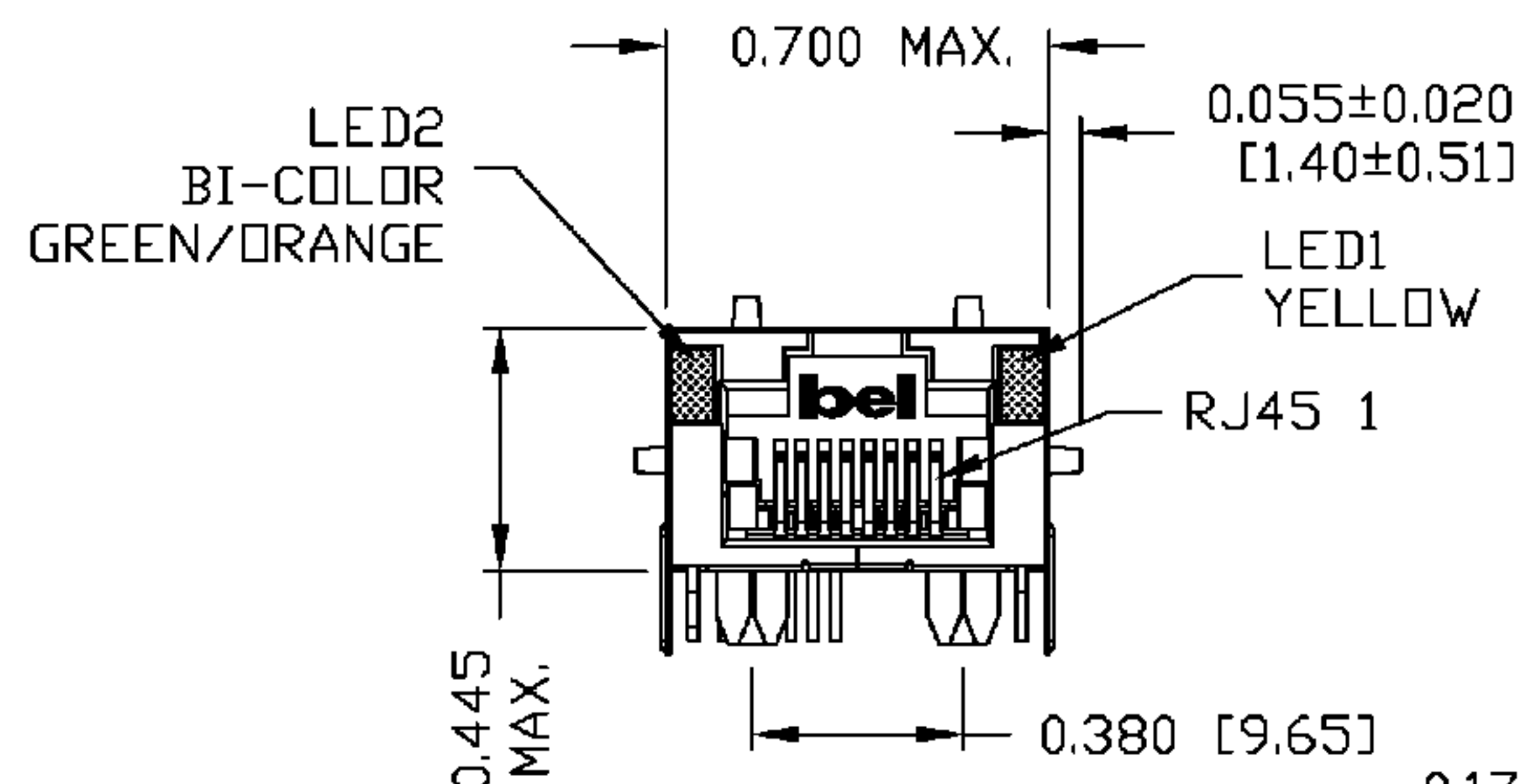


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHUNG	05-18-06	10/100 MagJack® (Ultra Low Profile)	L829-1X1T-91	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	05-18-06		L8291X1T91C.DWG	.XXX	PAGE : 2

MECHANICAL SPECIFICATION



RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



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)
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

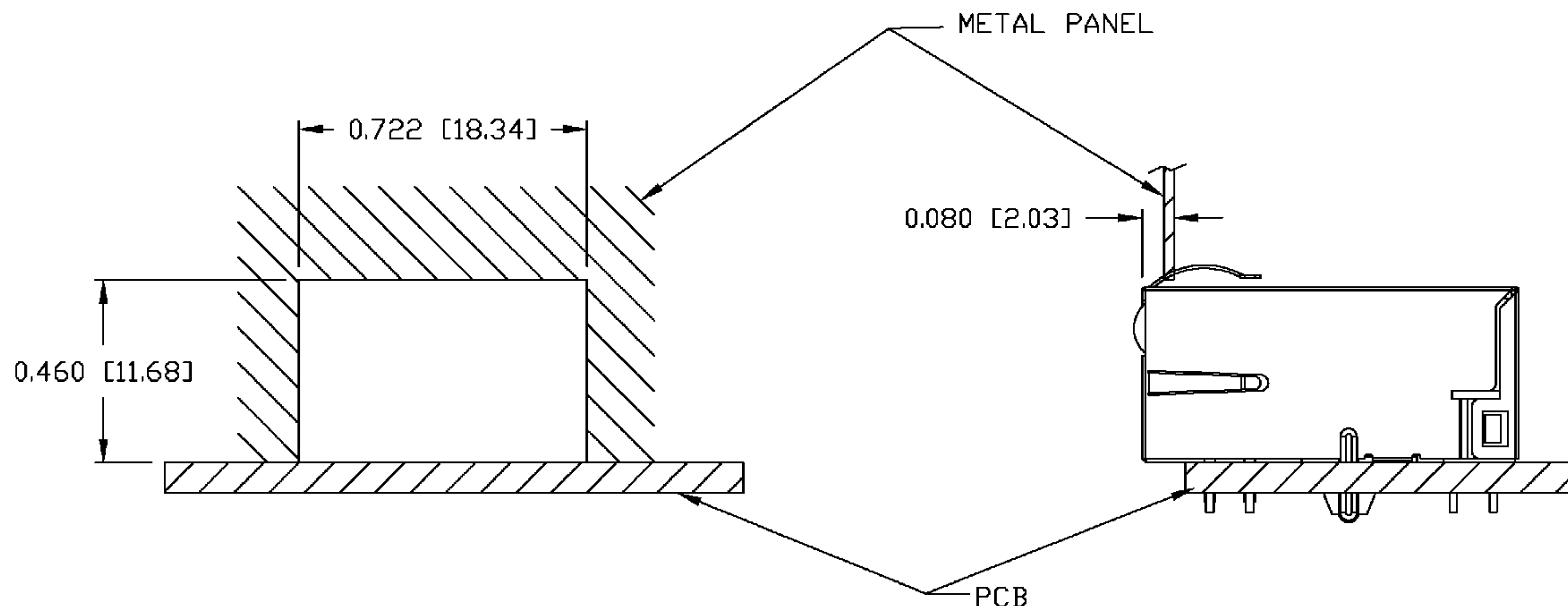
1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER (L829-1X1T-91), AND DATE CODE.

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
QIN/BILL	05-18-06	10/100 MagJack® (Ultra Low Profile)	L829-1X1T-91	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
LING	05-18-06		L8291X1T91C.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. : C
QIN/BILL	05-18-06	10/100 MagJack® (Ultra Low Profile)	L829-1X1T-91	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 4
LING	05-18-06		L8291X1T91C.DWG	.XXX	±0.004		