

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



ELECTRICAL CHARACTERISTICS @ 25°C

TRANSFORMER

TX
RX
OCL @ 100kHz/100mVRMS
8mA DC BIAS

INS. LOSS

1MHz TO 100MHz

RET. LOSS (MIN)

1MHz-30MHz

30MHz-60MHz

60MHz-80MHz

CROSS TALK (TX - RX)

500kHz-1MHz

10 MHz

30 MHz

50 MHz

100 MHz

CM TO CM REJ

100kHz-1MHz

10 MHz

30 MHz

60 MHz

100 MHz

CM TO DM REJ

100kHz-1MHz

10 MHz

30 MHz

60 MHz

100 MHz

HIPOT (Isolation Voltage):

LED 1 & LED 2

VF (FORWARD VOLTAGE)

λD (DOMINANT WAVELENGTH)

LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
-	+	GREEN	-	+	GREEN
+	-	YELLOW	+	-	YELLOW

1CT : 1

1CT : 1

350μH MIN.

-1.0 dB MAX

-18 dB

-18+20LOG(F/30MHz) dB

-12 dB

-70 dB MIN

-50 dB MIN

-45 dB MIN

-40 dB MIN

-35 dB MIN

-70 dB MIN

-47 dB MIN

-42 dB MIN

-37 dB MIN

-30 dB MIN

-70 dB MIN

-60 dB MIN

-50 dB MIN

-45 dB MIN

-40 dB MIN

1500 Vrms or 2250VDC

IF=20mA

GREEN

YELLOW

GREEN

YELLOW

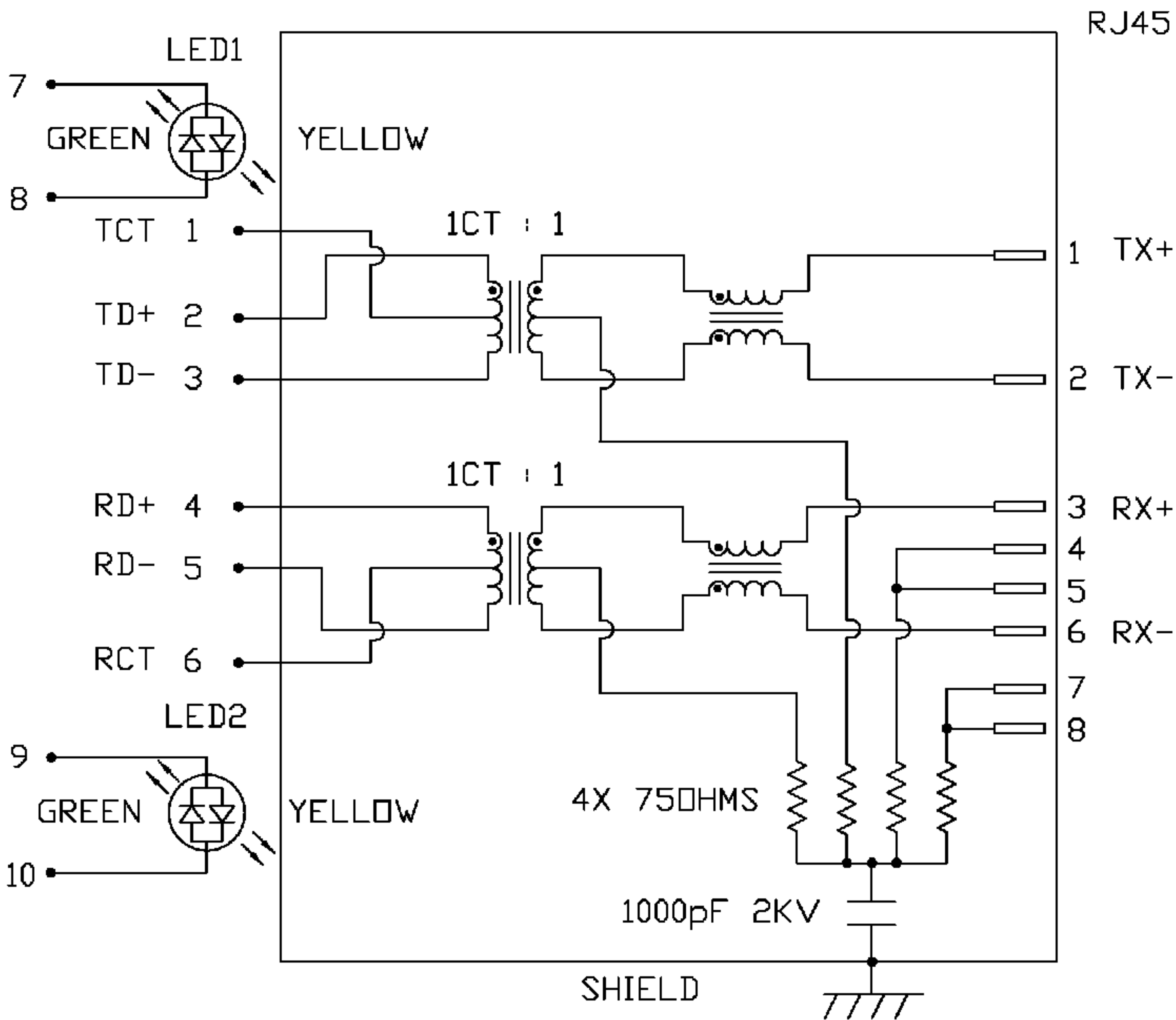
2.2V TYP.

2.1V TYP.

565nm TYP.

590nm TYP.

SCHEMATIC



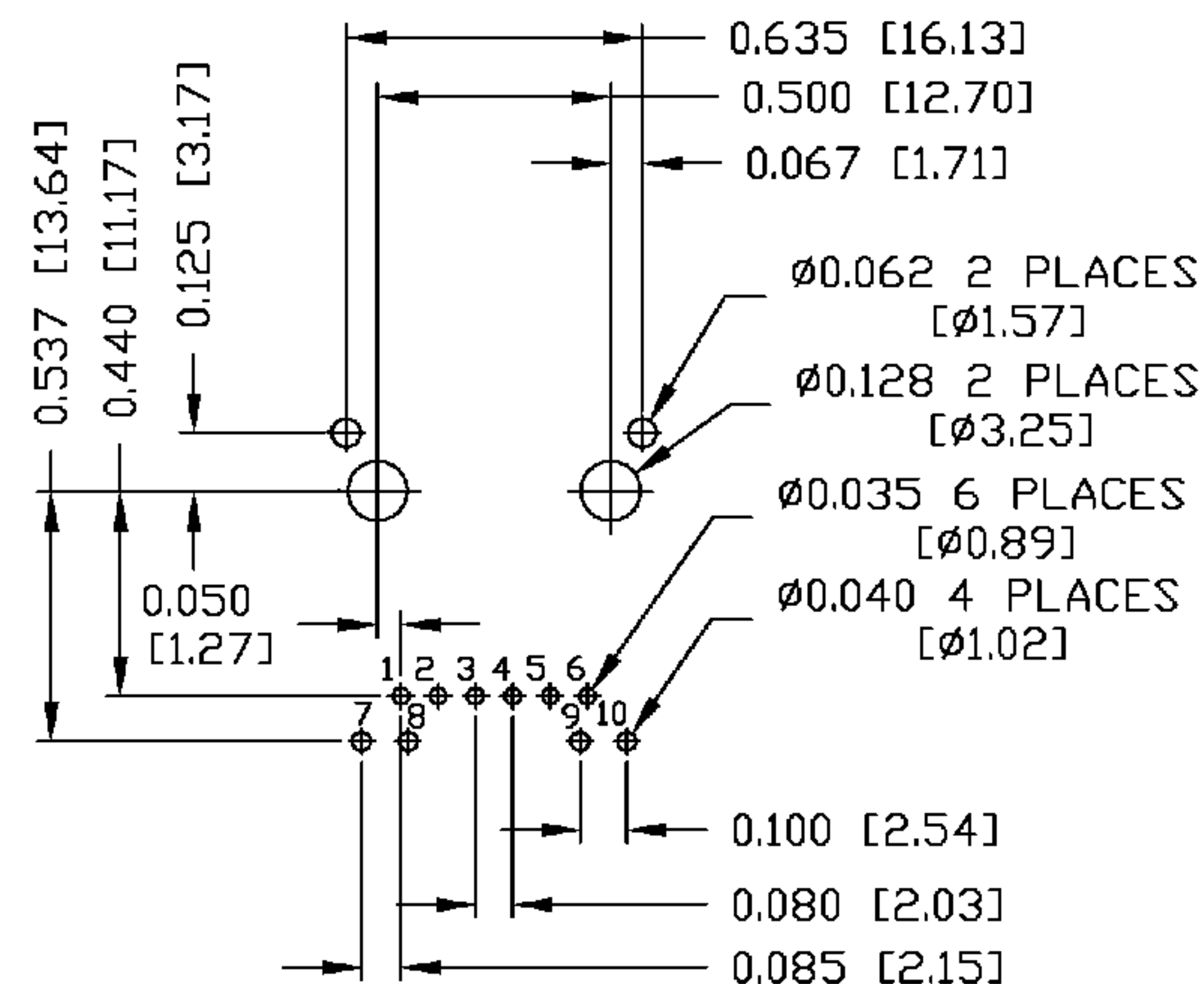
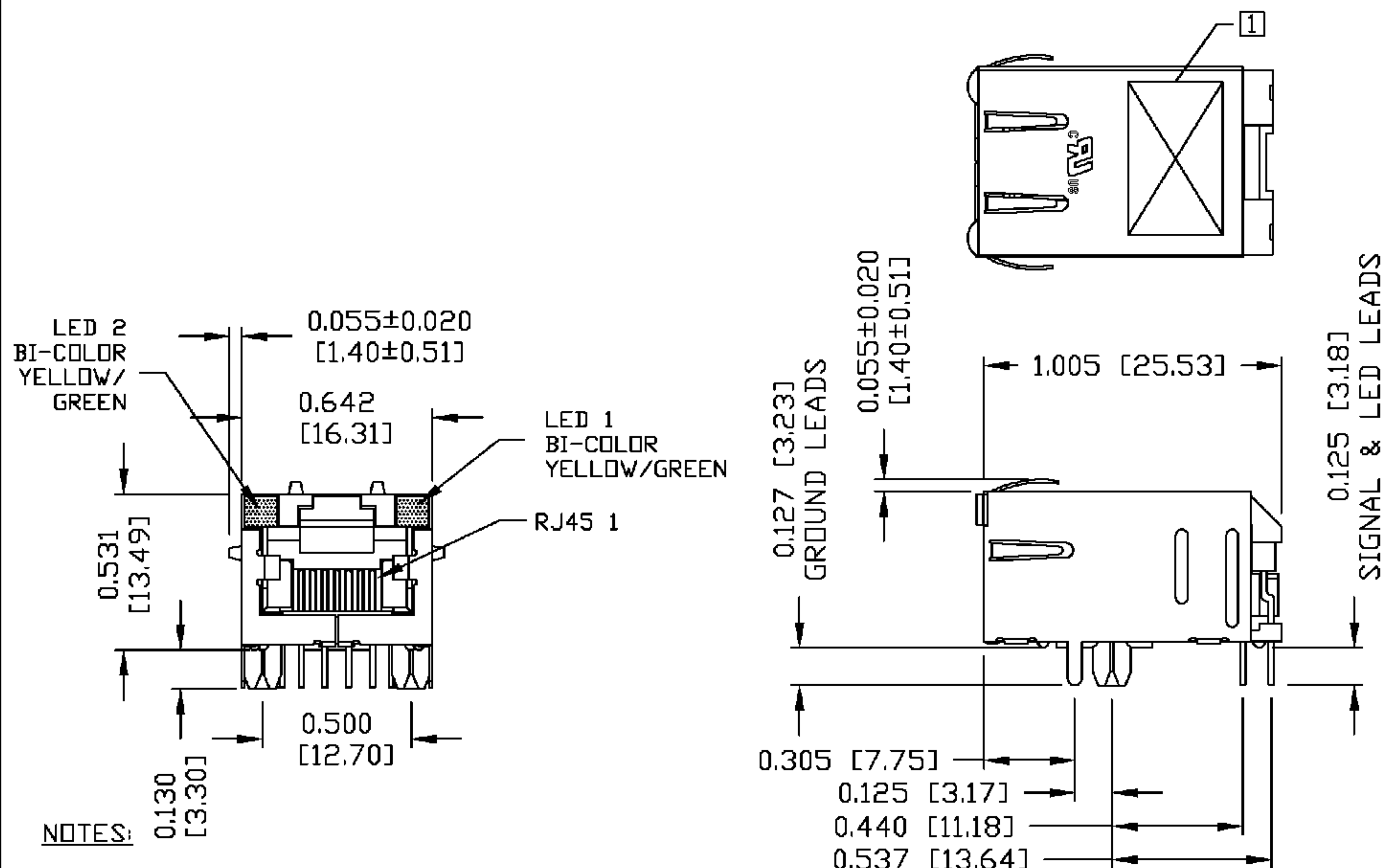
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHUNG	03-17-06	MagJack® (4 Cores, MDIX, CM Termination)	08B01C1T06-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	FILE NAME		.X	SCALE : N/A SIZE : A4
DE	03-17-06	08B0-1C1T-06-F	08B01C1T06-FA.DWG	.XX	PAGE : 2
				.XXX	

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.



MECHANICAL SPECIFICATION

RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



NOTES:

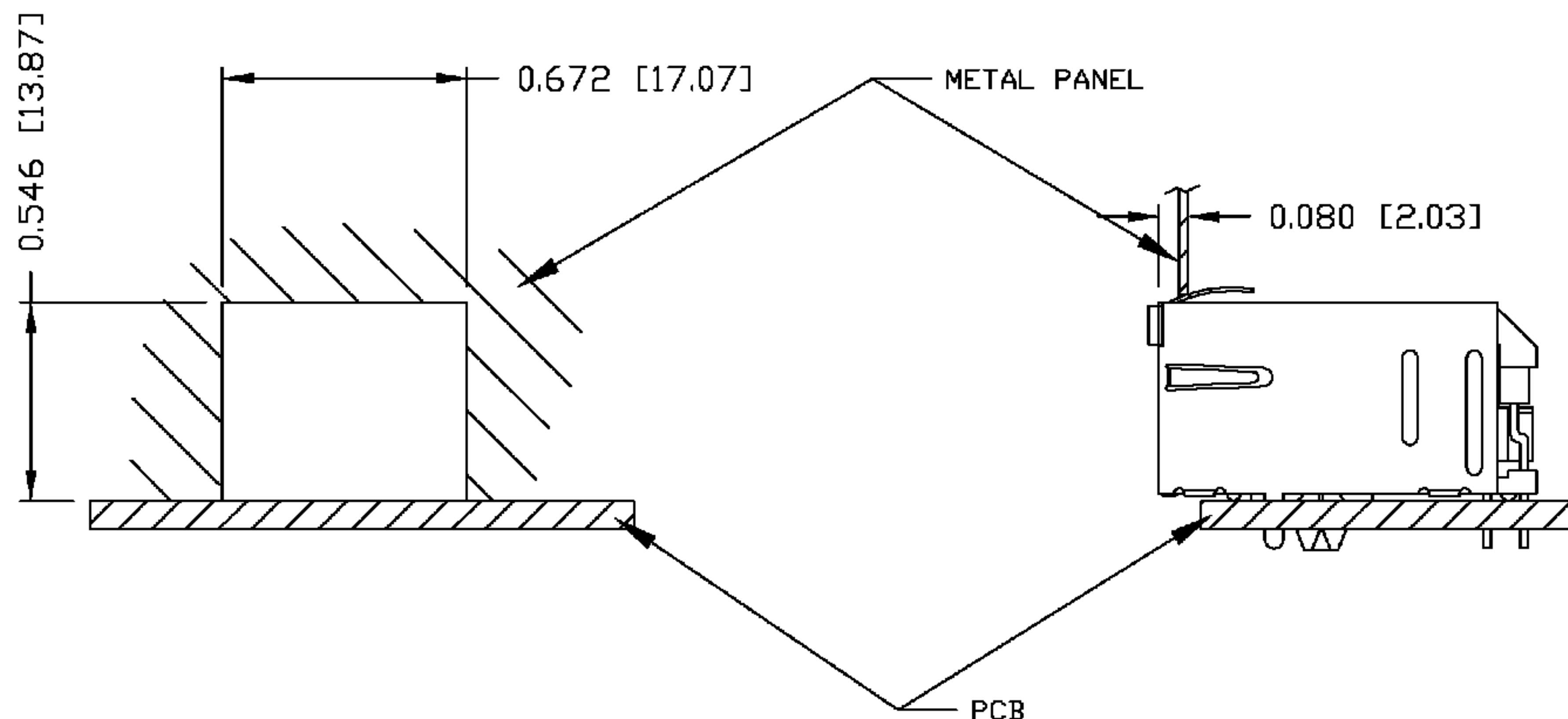
1. PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, 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	03-17-06	MagJack® (4 Cores, MDIX, CM Termination)	08B01C1T06-F	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	08B0-1C1T-06-F	FILE NAME	.XX	SCALE : N/A	SIZE : A4
TING	03-17-06		08B01C1T06-FA.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.

PACKING INFORMATION

PACKING TRAY : 0200-9999-D4(TOP)

0200-9999-D5(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. : A
QIN\BILL	03-17-06	MagJack® (4 Cores, MDIX, CM Termination) 08B0-1C1T-06-F	08B01C1T06-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 4
TING	03-17-06			.XXX	±0.004		