

ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio

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

VF (FORWARD VOLTAGE)

λ D (DOMINANT WAVELENGTH)

LED 2

VF (FORWARD VOLTAGE)

λ D (DOMINANT WAVELENGTH)

1CT : 1
1CT : 1

350 μ H 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 YELLOW 2.1V TYP.

IF=20mA YELLOW 590nm TYP.

IF=20mA ORANGE 2.0V TYP.

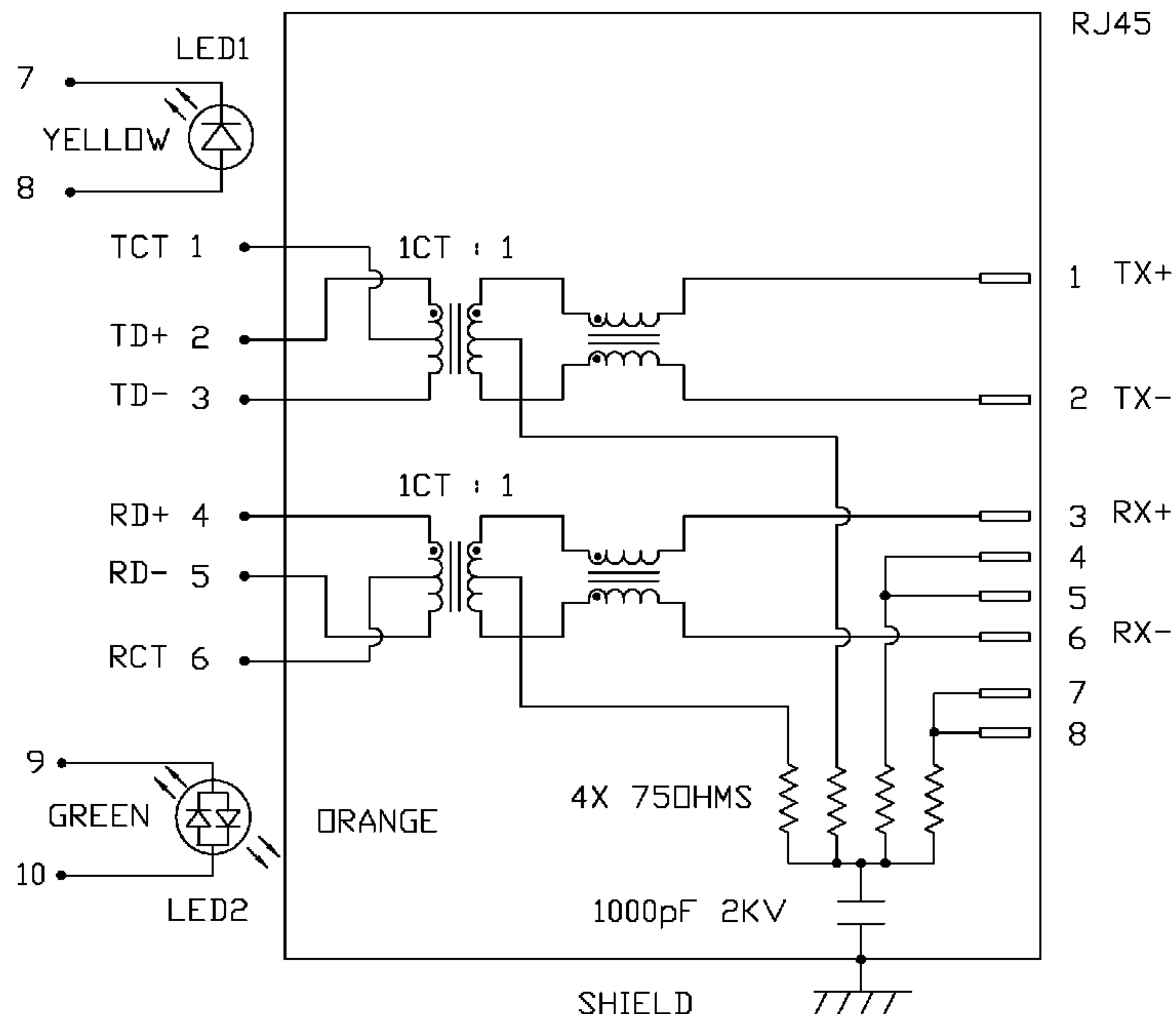
GREEN 2.2V TYP.

IF=20mA ORANGE 610nm TYP.

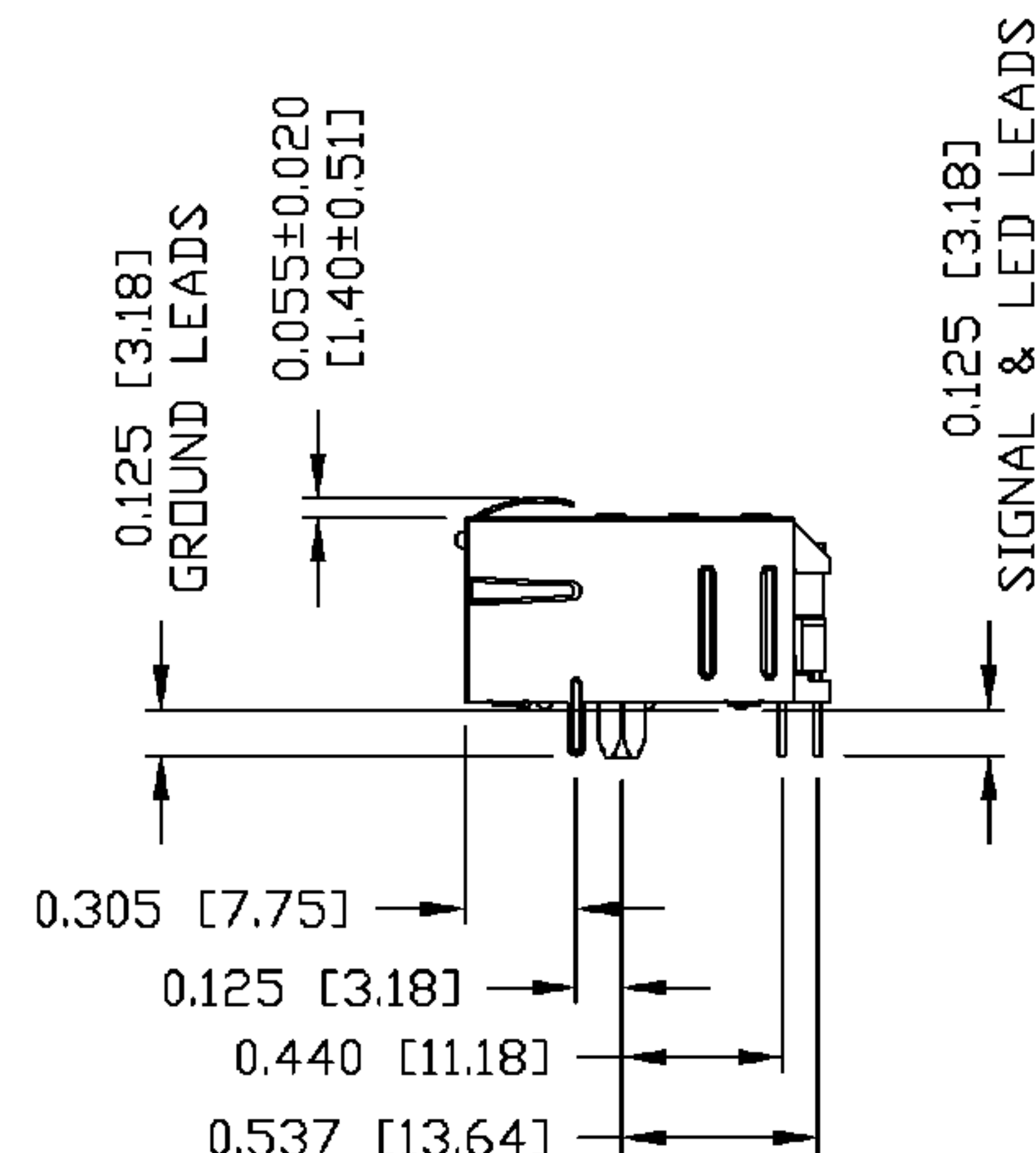
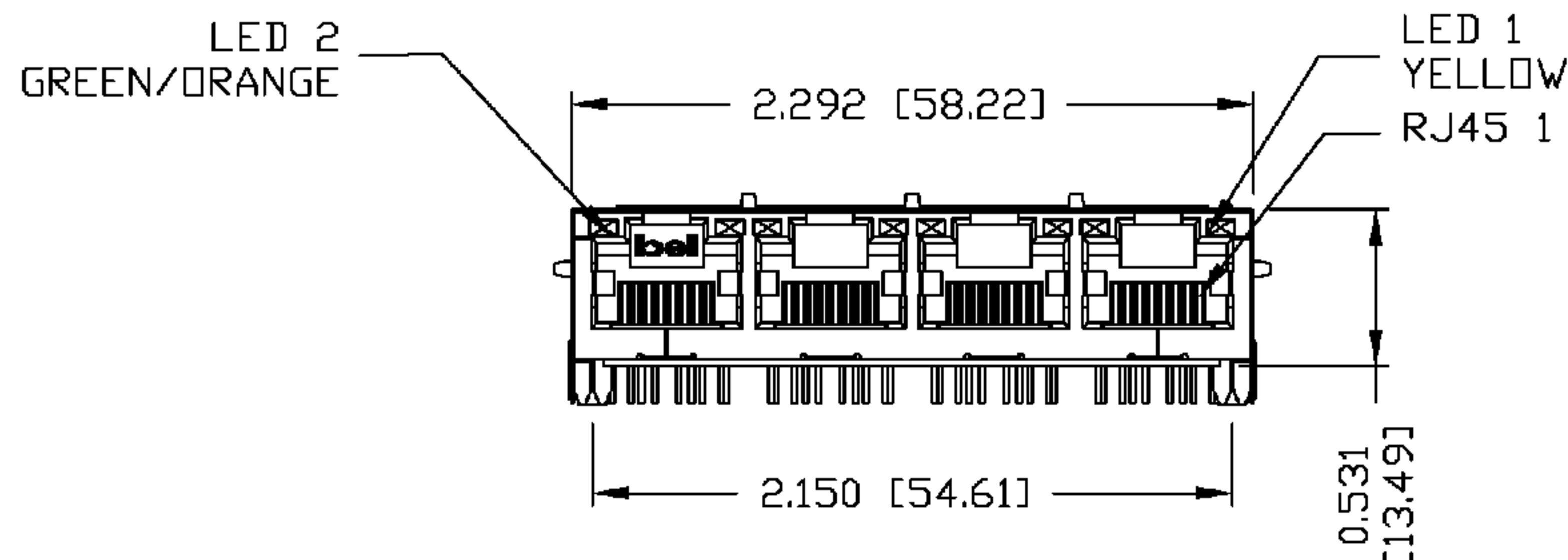
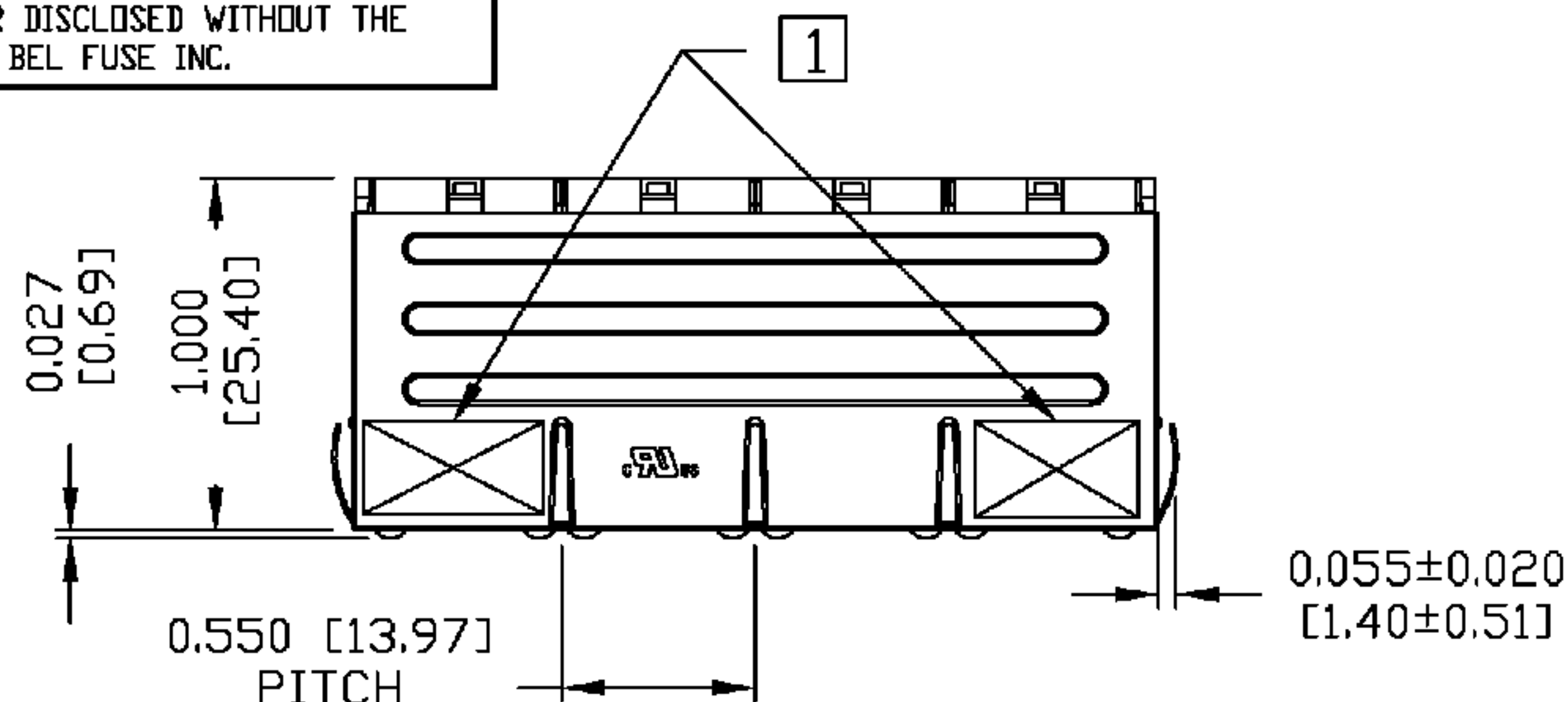
GREEN 565nm TYP.

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

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHUNG	09-09-06	1X4 MagJack®	08B01X4T06-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.X	SCALE : N/A	SIZE : A4
DE	09-09-06	08B0-1X4T-06-F	08B01X4T06-FA.DWG	.XX		PAGE : 2
				.XXX		



NOTES:

PLASTIC HOUSING:	THERMOPLASTIC PBT
CONTACTS PLATING:	15 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 LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

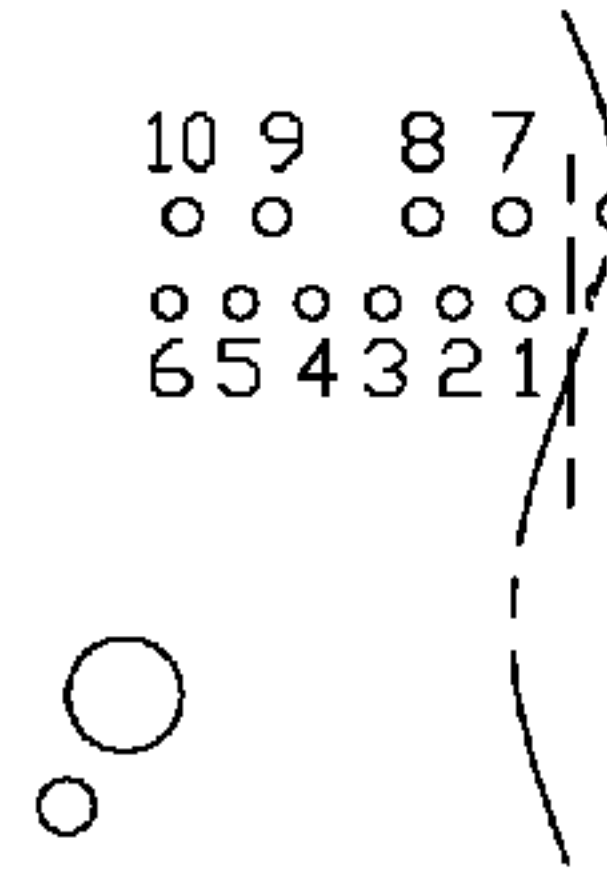
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
QIN/BILL	09-09-06	1X4 MagJack®	08B01X4T06-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.X	SCALE : N/A SIZE : A4
TING	09-09-06	08B0-1X4T-06-F	08B01X4T06-FA.DWG	.XX	PAGE : 3
				.XXX ±0.010	



COMPONENTS ON A
CONNECTED
PLANET

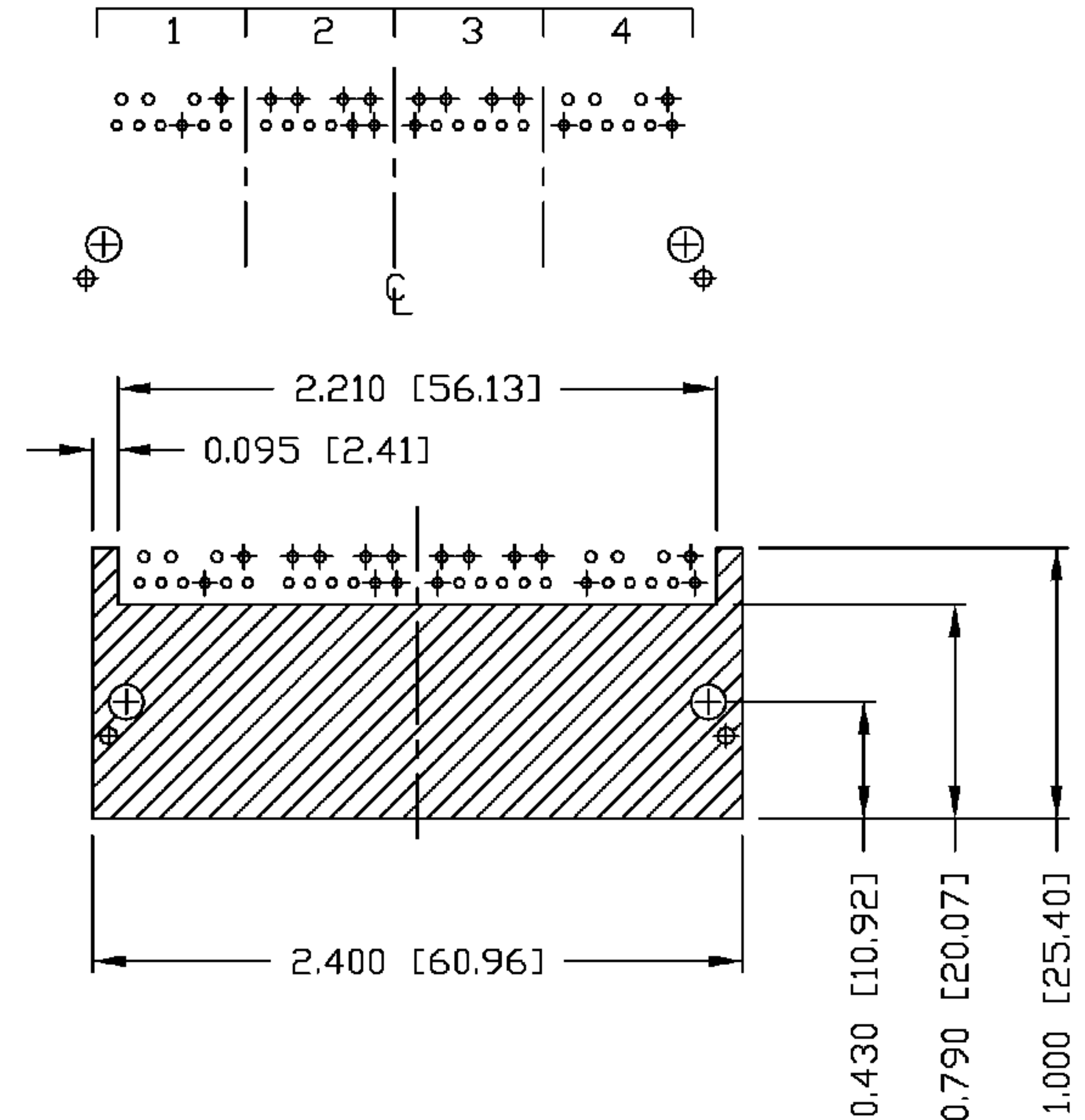


PIN ASSIGNMENT - EACH PORT
COMPONENT SIDE VIEW



6	RCT
5	RD -
4	RD +
3	TD -
2	TD +
1	TCT

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



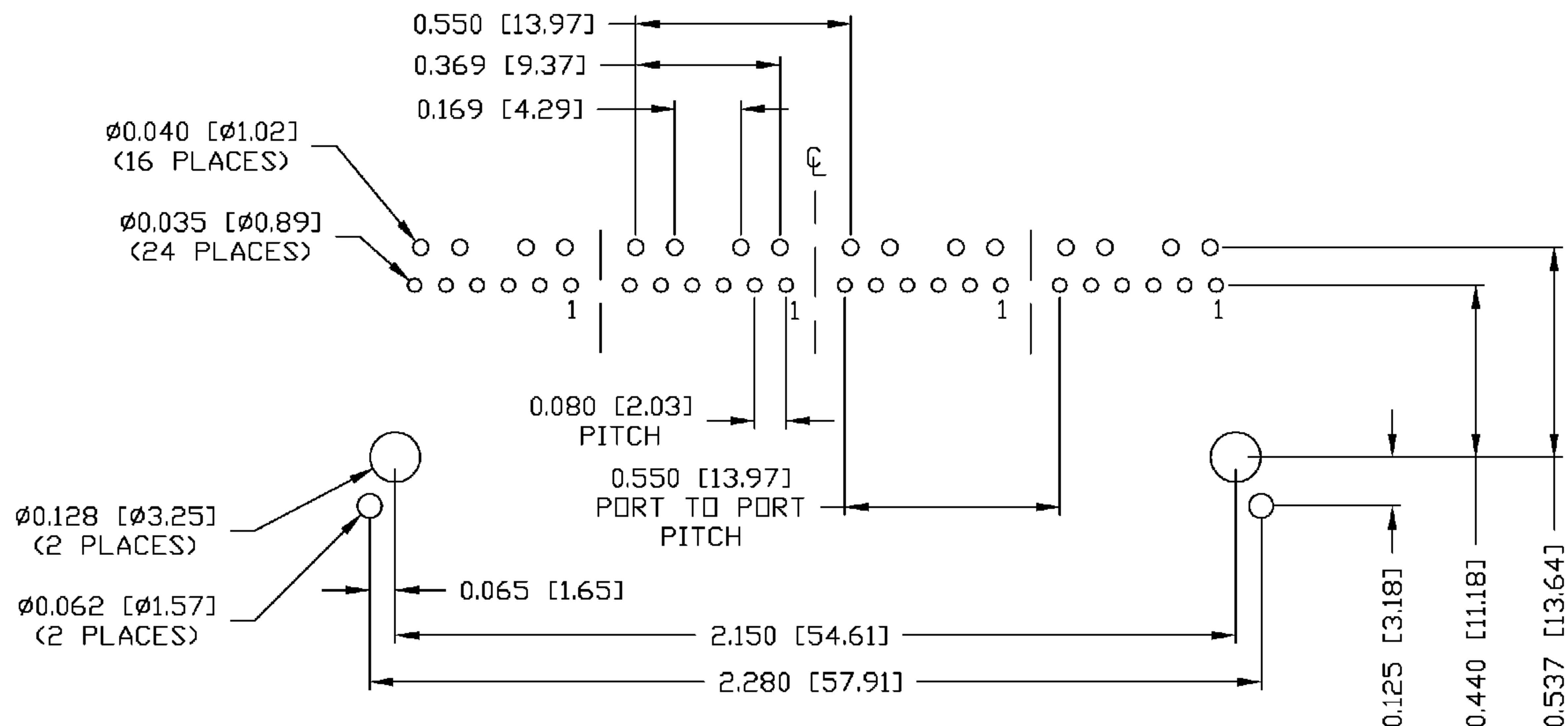
THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
QIN/BILL	09-09-06	1X4 MagJack®	08B01X4T06-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.X	REV. : A
TING	09-09-06	08B0-1X4T-06-F	08B01X4T06-FA.DWG	.XX	SCALE : N/A
				.XXX	±0.004
					PAGE : 4

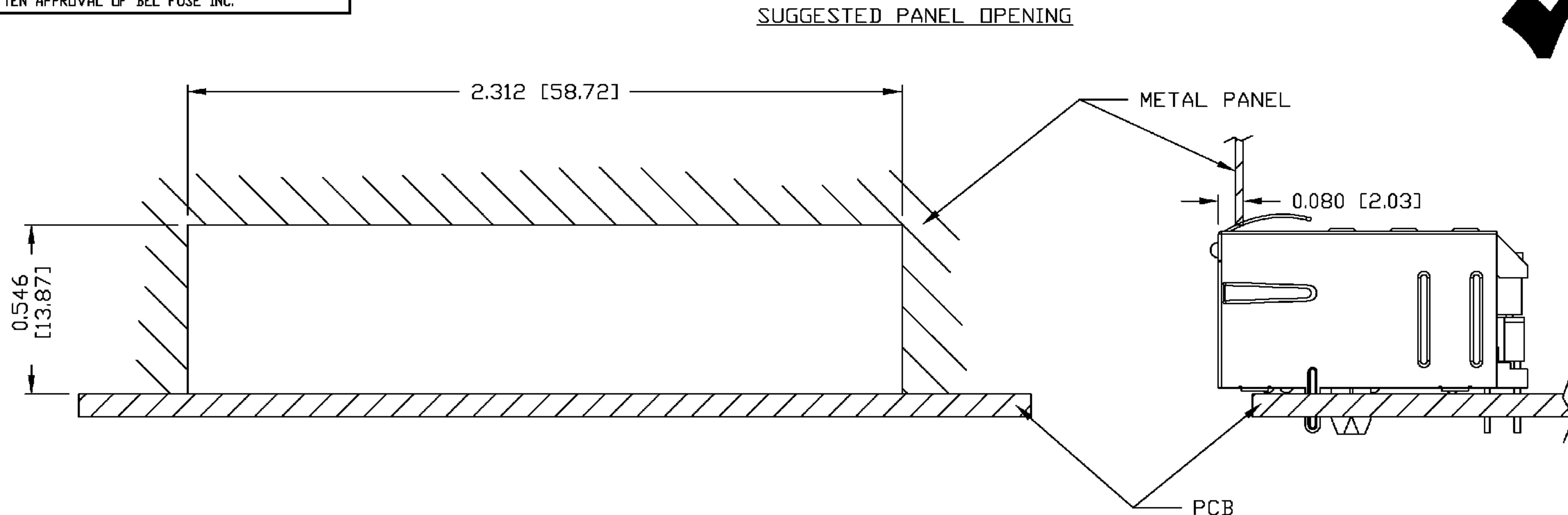


RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



ORIGINATED BY QIN/BILL	DATE 09-09-06	TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X4T-06-F	PART NO. / DRAWING NO. 08B01X4T06-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		
DRAWN BY TING	DATE 09-09-06		FILE NAME 08B01X4T06-FA.DWG	.X		UNIT : INCH [mm]	REV. : A	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004	 	PAGE : 5	



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 : 0200-0148-17

PACKING QUANTITY : 30 PCS FINISHED GOODS PER TRAY.

10 TRAYS (300 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		 bel COMPONENTS ON A CONNECTED PLANET
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
QIN/BILL	09-09-06	1X4 MagJack®	08B01X4T06-F	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.XX			PAGE : 6	
TING	09-09-06	08B0-1X4T-06-F	08B01X4T06-FA.DWG	.XXX	±0.004			