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"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
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WRITTEN APPROVAL OF BEL FUSE INC.



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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX
RX

DCL @ 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)

λD (DOMINANT WAVELENGTH)

LED 2

VF (FORWARD VOLTAGE)

λD (DOMINANT WAVELENGTH)

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 YELLOW 2.1V TYP.

IF=20mA YELLOW 590nm TYP.

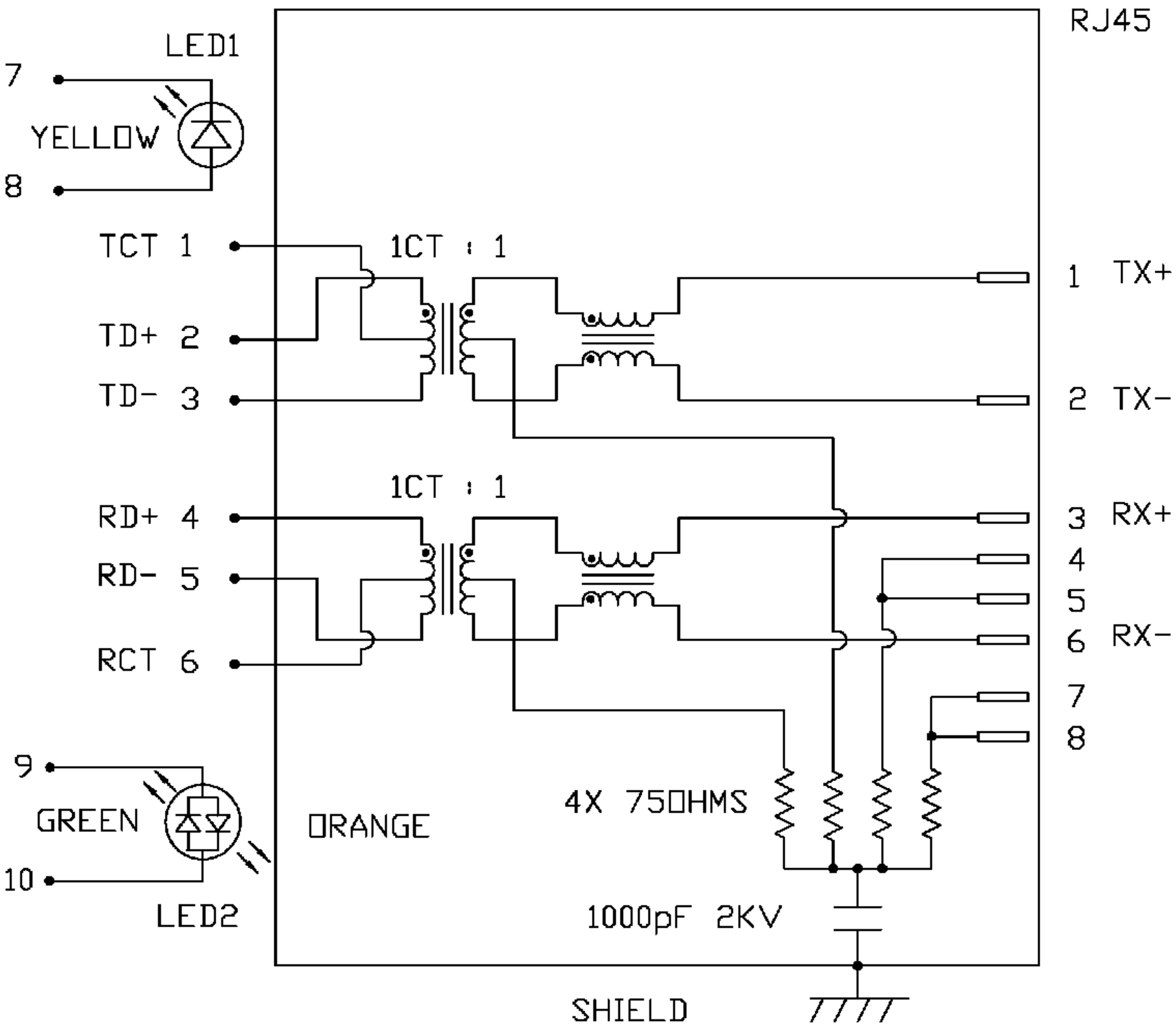
IF=20mA ORANGE 2.0V TYP.

IF=20mA GREEN 2.2V TYP.

IF=20mA ORANGE 610nm TYP.

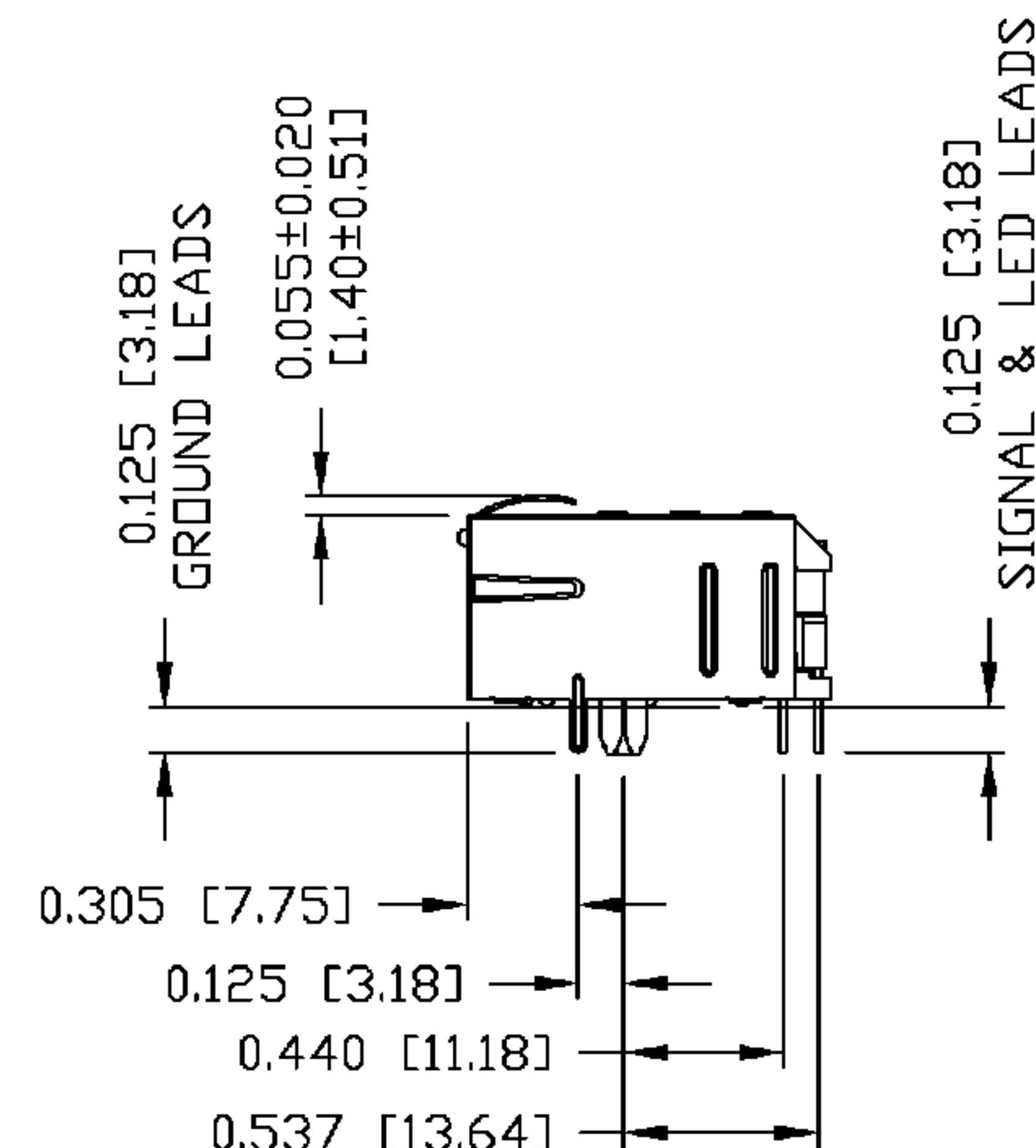
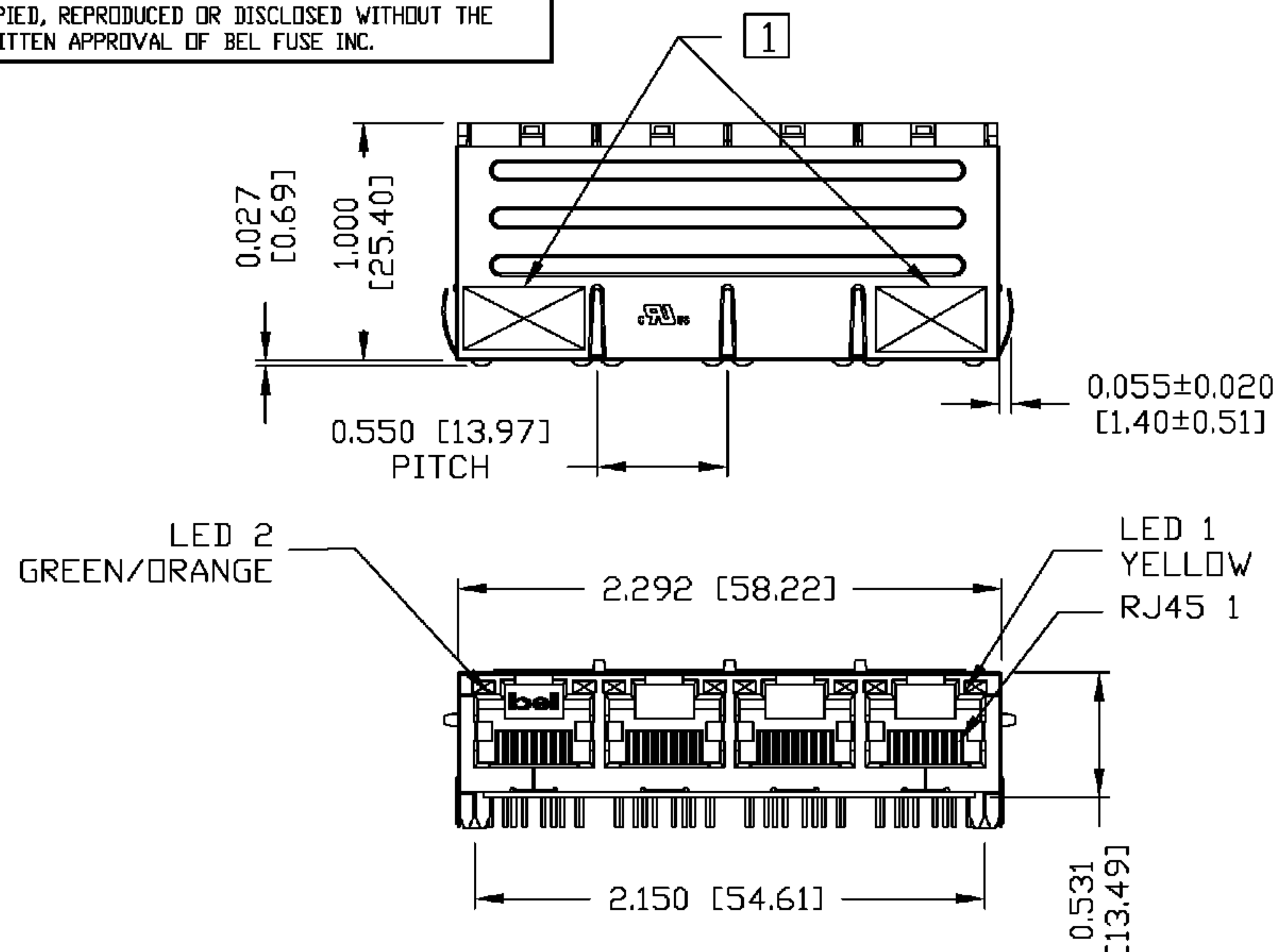
IF=20mA GREEN 565nm TYP.

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 FLAMMABILITY RATING UL 94V-0
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)

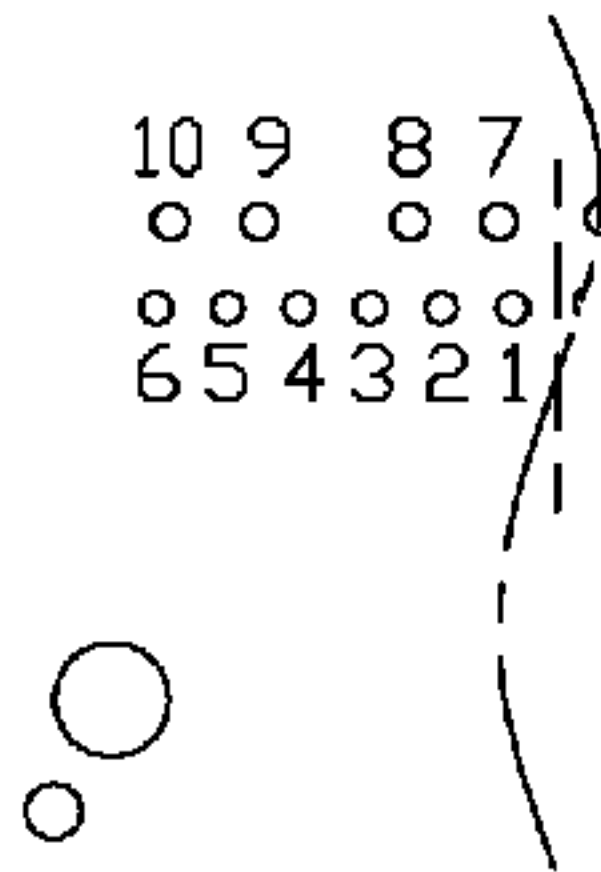
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

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® (4 Cores, MDIX, CM Termination)	08B01X4T06-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	08B0-1X4T-06-F	FILE NAME	.X	SCALE : N/A SIZE : A4
TING	09-09-06		08B01X4T06-FA.DWG	.XX	PAGE : 3
				.XXX ±0.010	

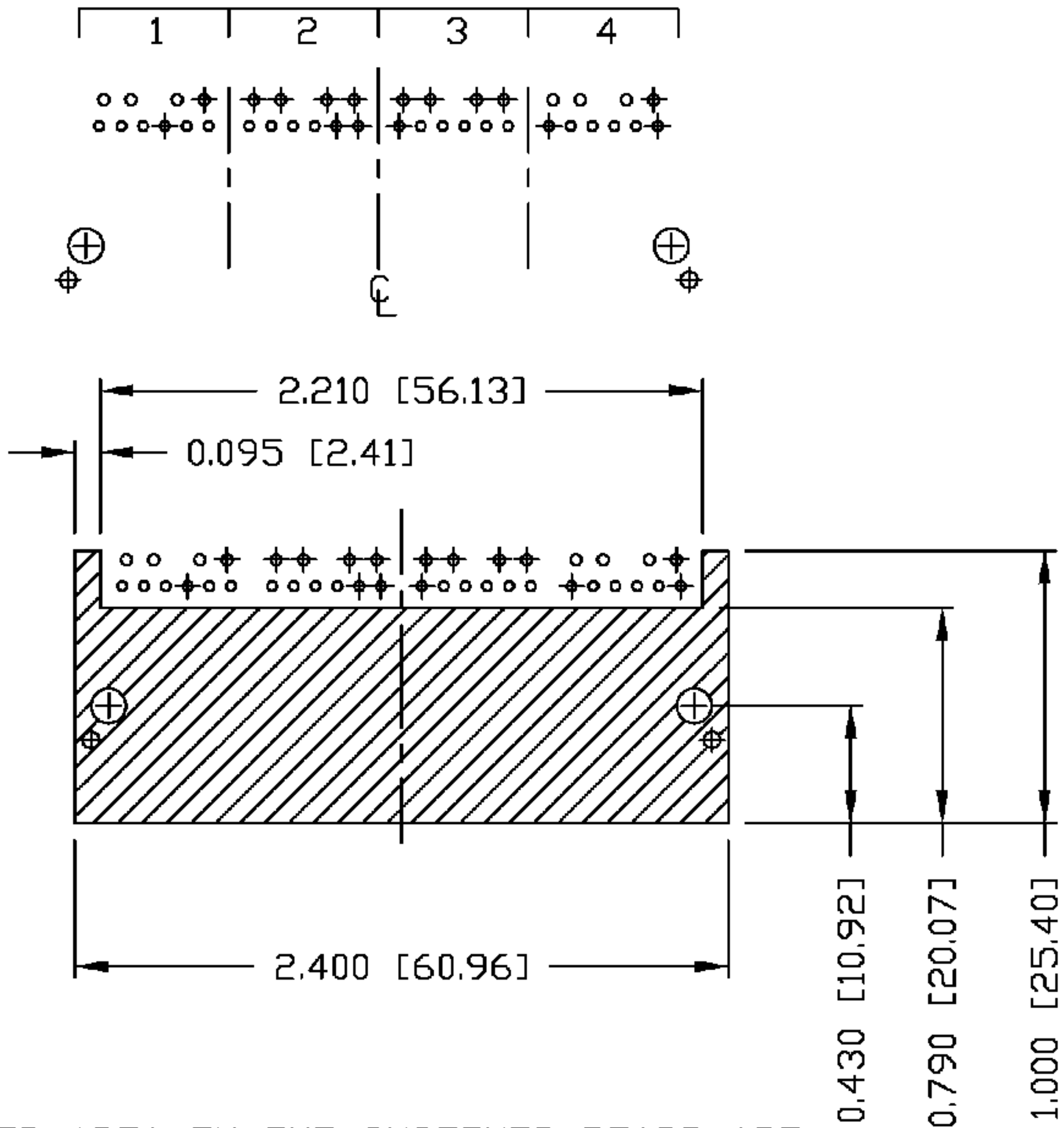


PIN ASSIGNMENT - EACH PORT
COMPONENT SIDE VIEW



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

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



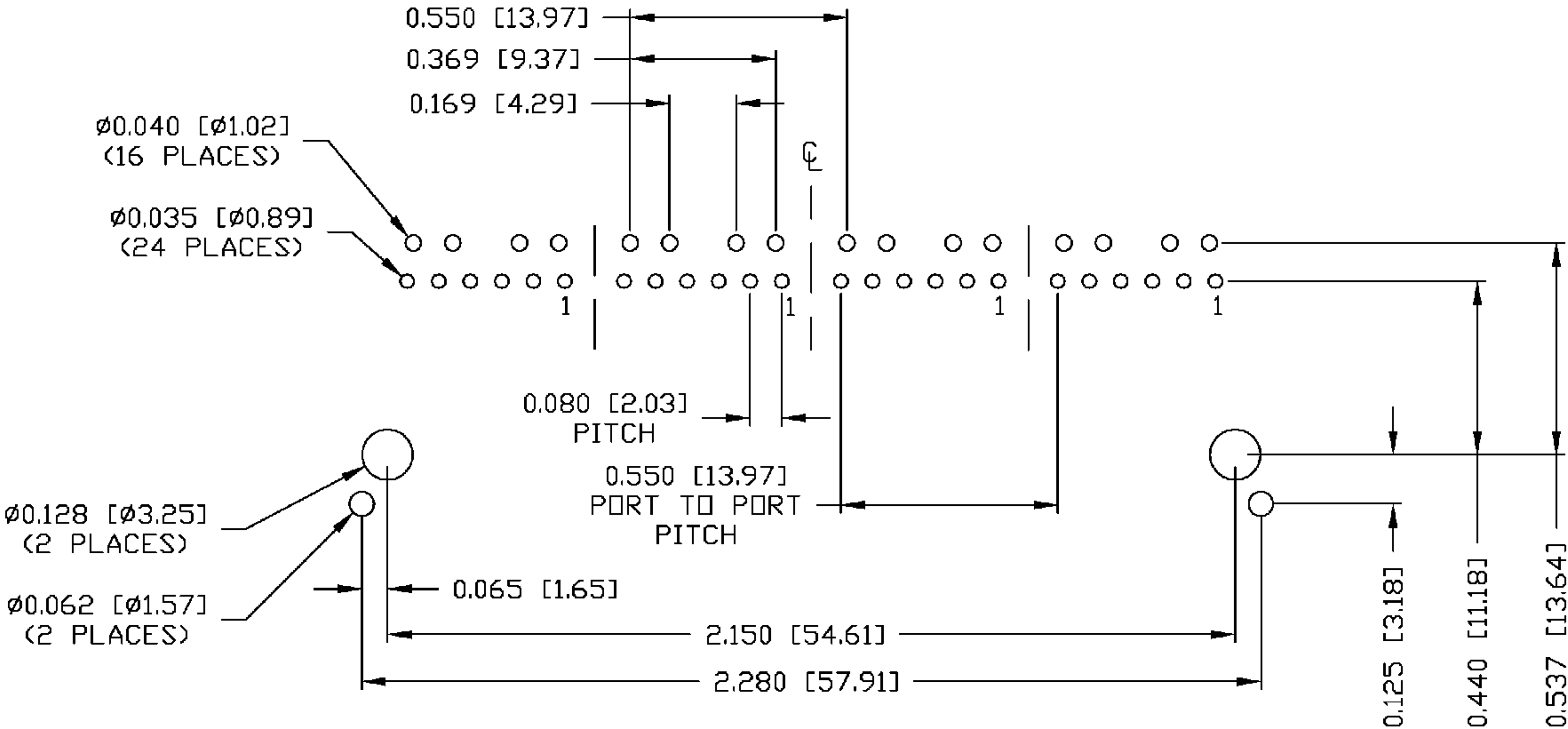
THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

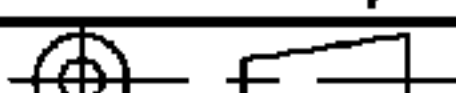
ORIGINATED BY QIN/BILL	DATE 09-09-06	TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X4T-06-F	PART NO. / DRAWING NO. 08B01X4T06-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : A
DRAWN BY TING	DATE 09-09-06		FILE NAME 08B01X4T06-FA.DWG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

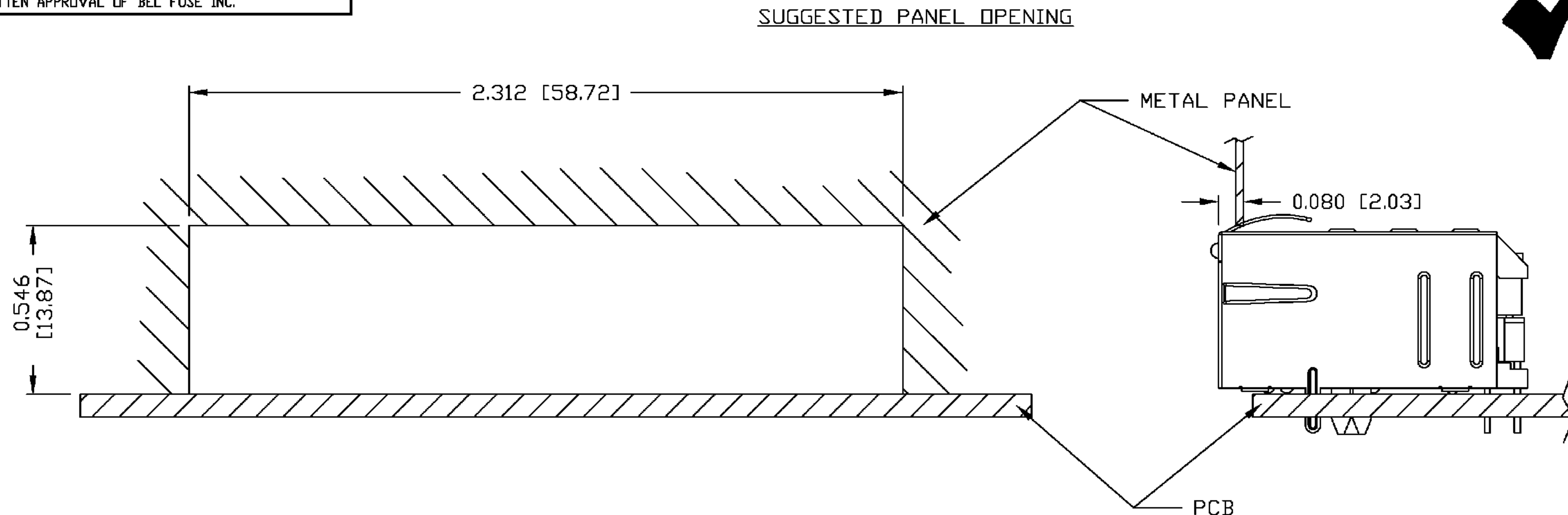


RECOMMENDED PCB FOOTPRINT

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		 COMPONENTS FOR A CONNECTED PLANET
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

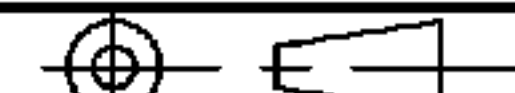
PACKING TRAY : 0200-0148-17

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 1X4 MagJack® (4 Cores, MDIX, CM Termination) 08B0-1X4T-06-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
QIN/BILL	09-09-06		08B01X4T06-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4
TING	09-09-06		08B01X4T06-FA.DWG	.XX			PAGE : 6
			.XXX	±0.004			



COMPONENTS OR A
CONNECTED
PLANET