

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.

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



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX	1CT : 1
RX	1CT : 1
QCL @ 100kHz/100mVRMS	350μH MIN.
8mA DC BIAS	
INS. LOSS	
1MHz TO 100MHz	-1.0 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz - 100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz - 100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz - 100 MHz	-40 dB MIN
HIPOT (Isolation Voltage)	1500 Vrms

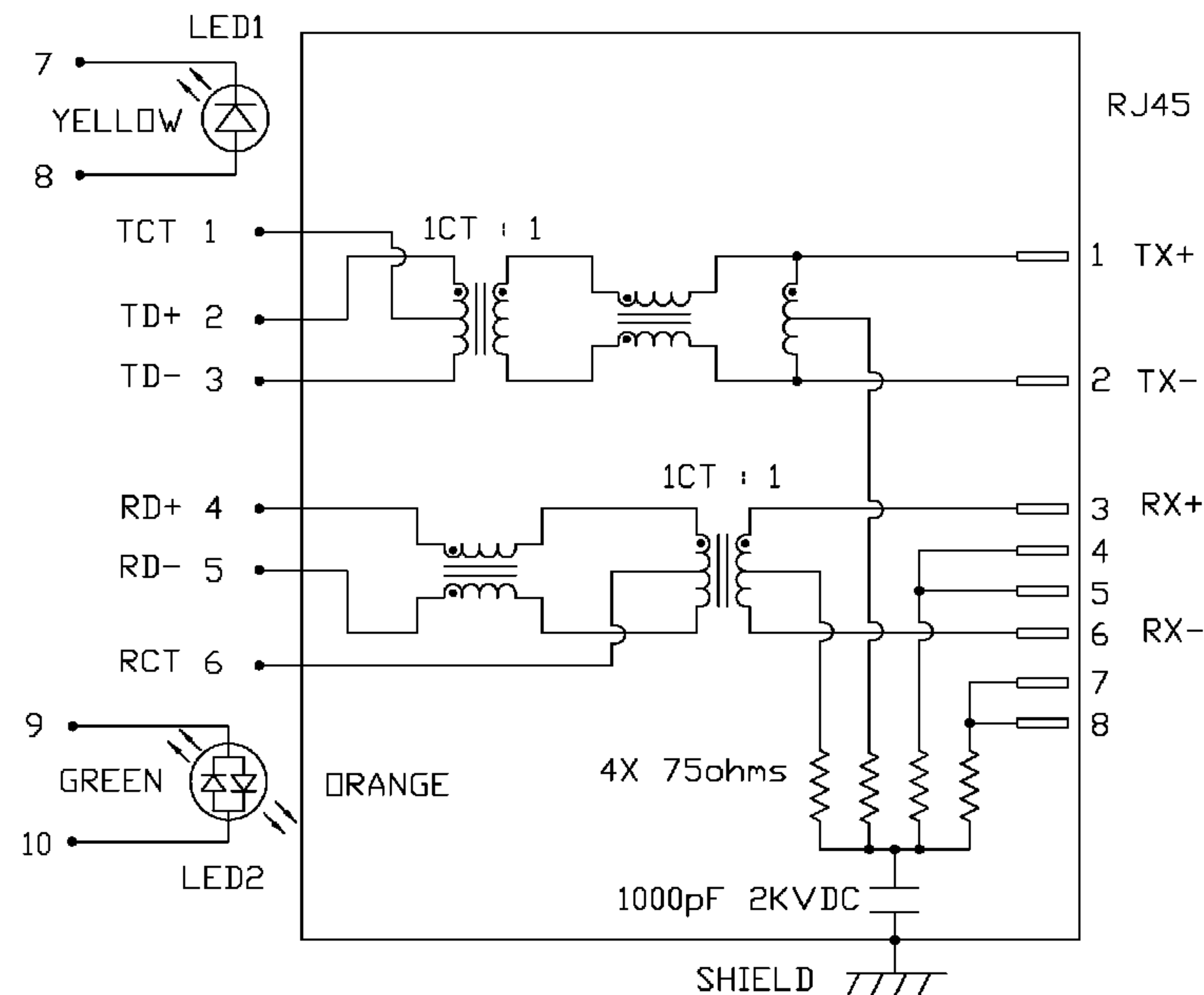
LED 1

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.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
VF (FORWARD VOLTAGE)	IF=20mA	ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	ORANGE	610nm TYP.

SCHEMATIC

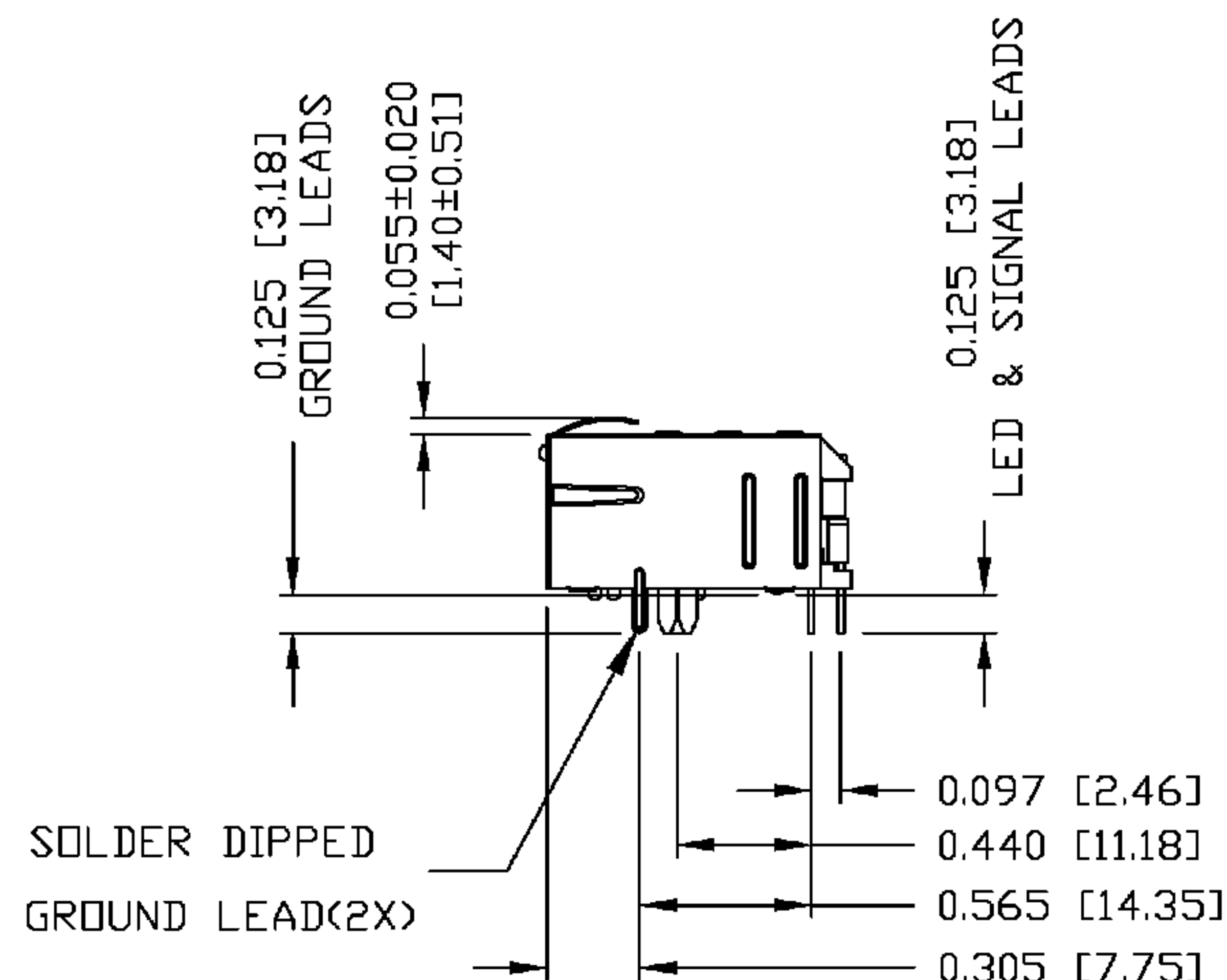
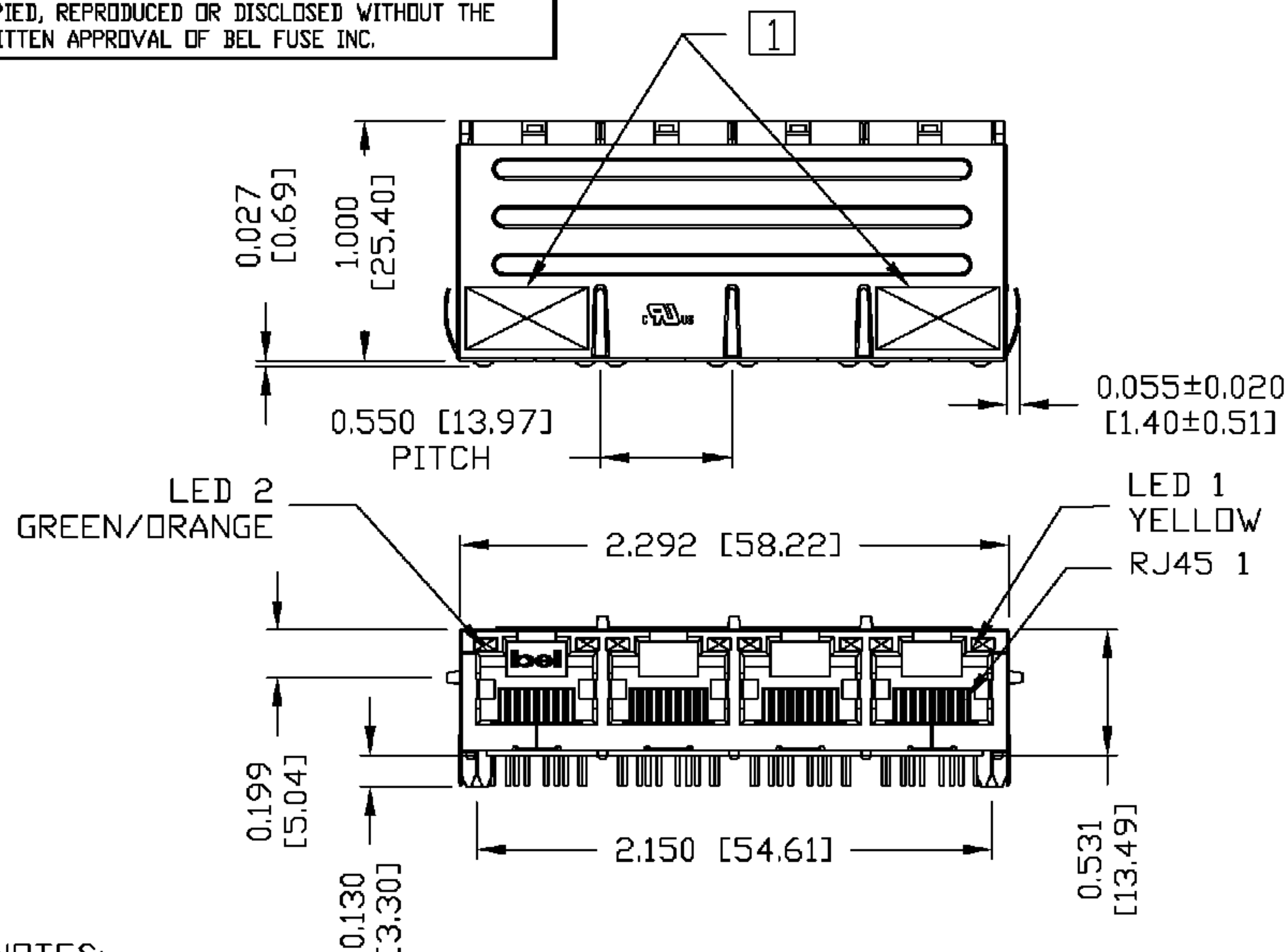


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHUNG	11-19-05	MagJack® (CM Termination)	08B01X4T03-F	.X	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A
DE	11-19-05	08B0-1X4T-03-F	08B01X4T03-FA.DWG	.XXX	SIZE : A4
					PAGE : 2



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RoHS
2002/95/EC



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 COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

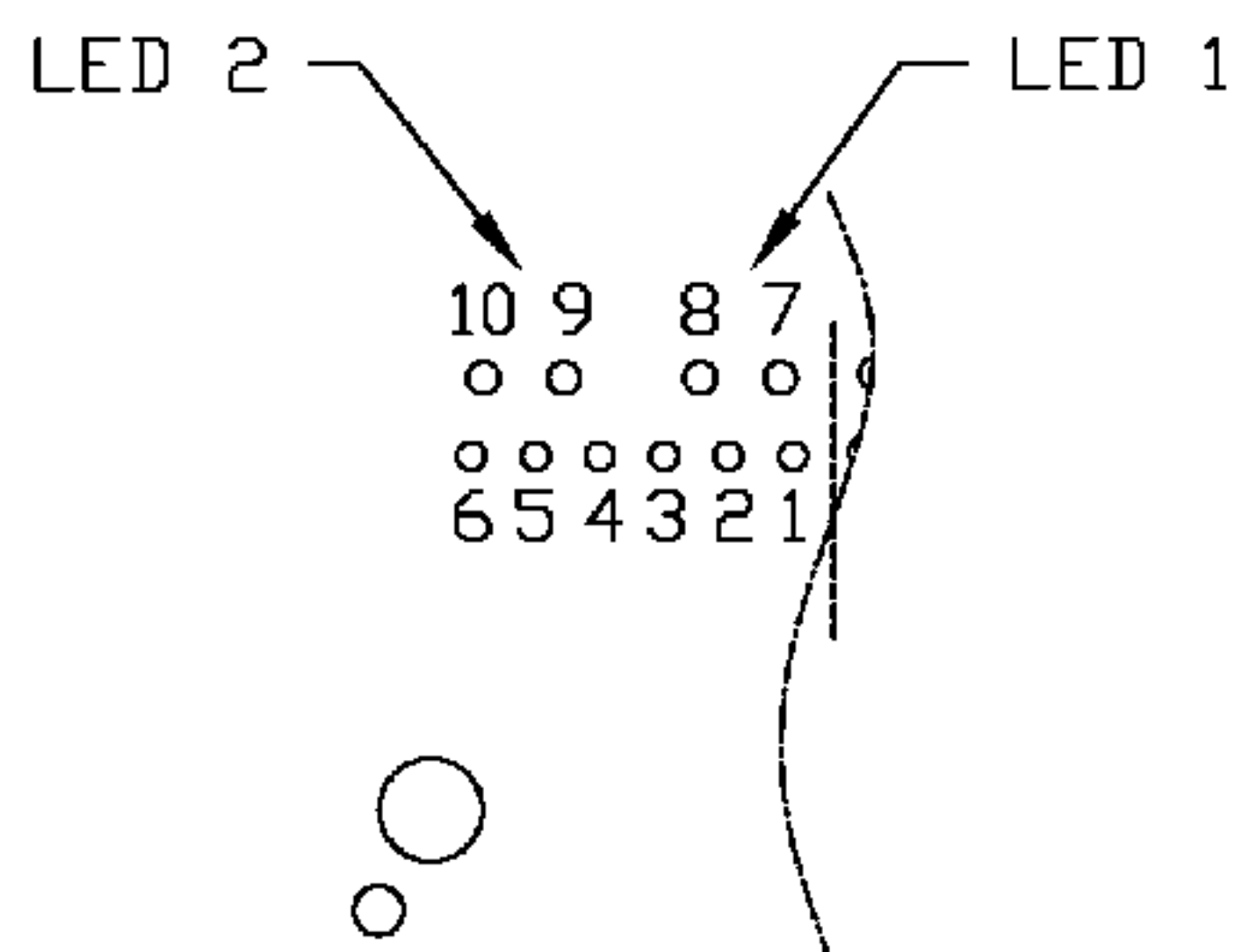
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

UL RECOGNIZED - FILE #E196366 AND E169987.

RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
BILL	11-19-05	MagJack® (CM Termination) 08B0-1X4T-03-F	08B01X4T03-F	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE			.XX	SCALE : N/A	SIZE : A4
QIN	11-19-05			.XXX ±0.010		PAGE : 3

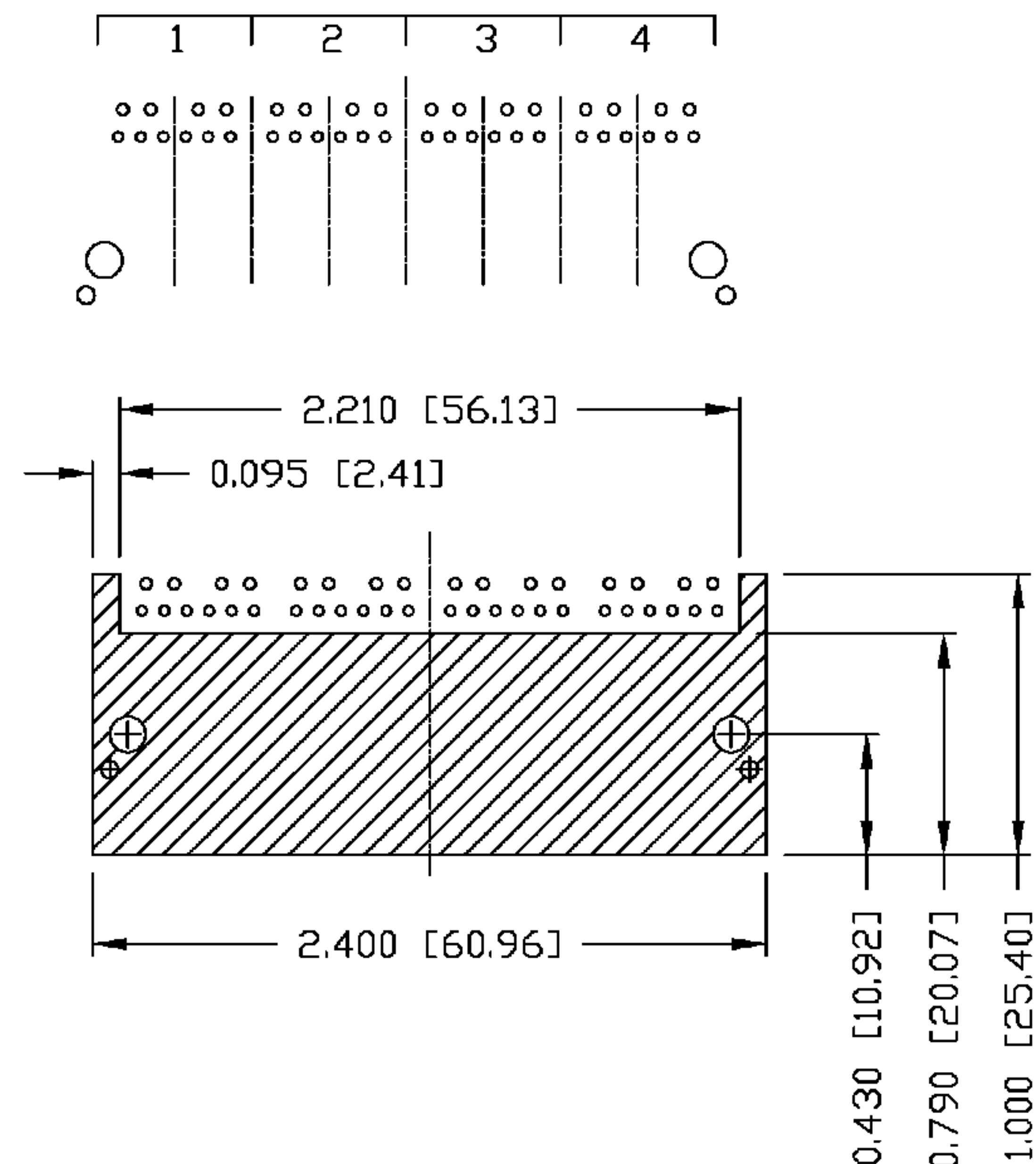
bel
COMPONENTS FOR A
CONNECTED
PLANET



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.

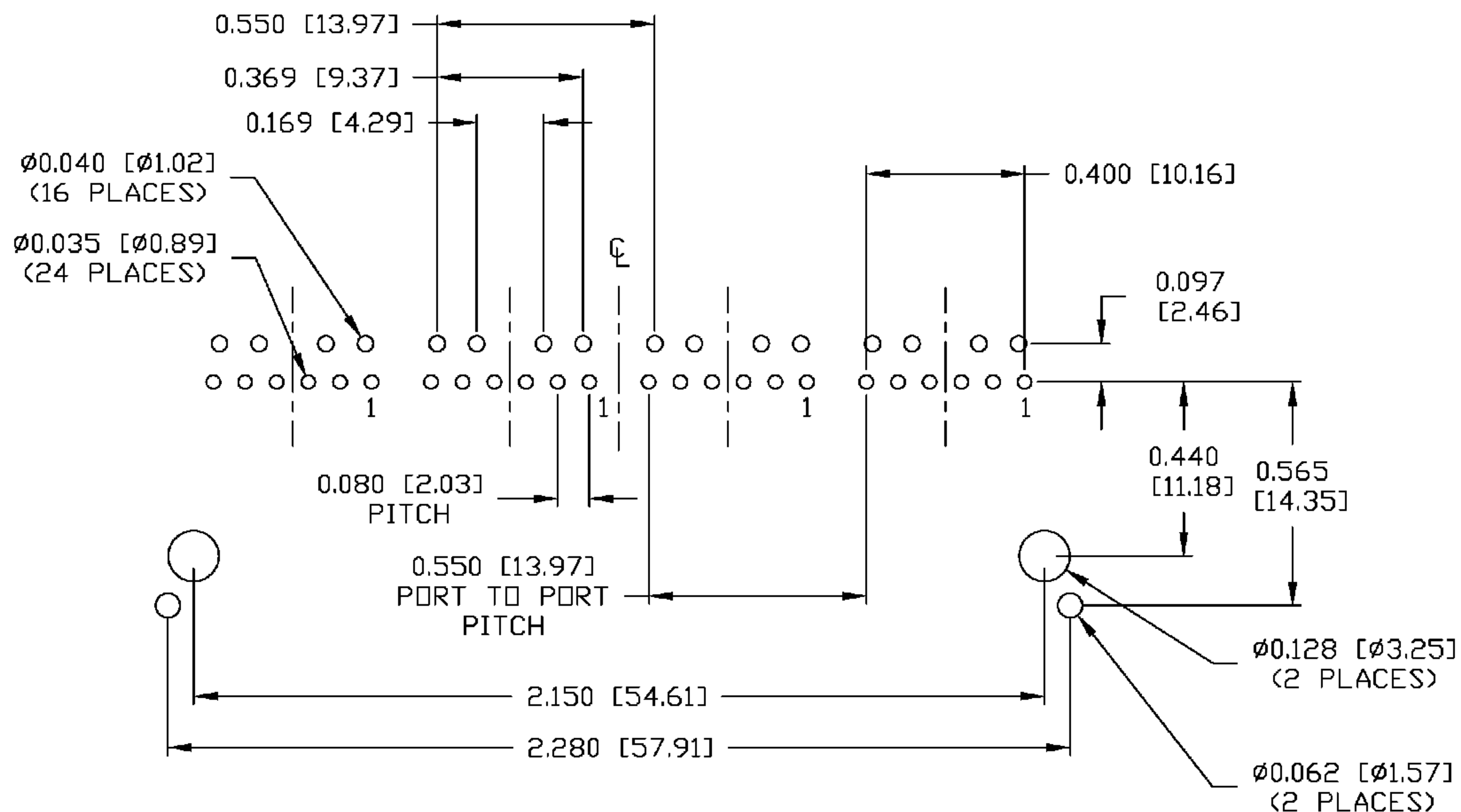
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BILL	11-19-05		08B01X4T03-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4
QIN	11-19-05		08B01X4T03-FA.DWG	.XX			PAGE : 4
			.XXX	±0.004			



COMPONENTS FOR A
CONNECTED
PLANET

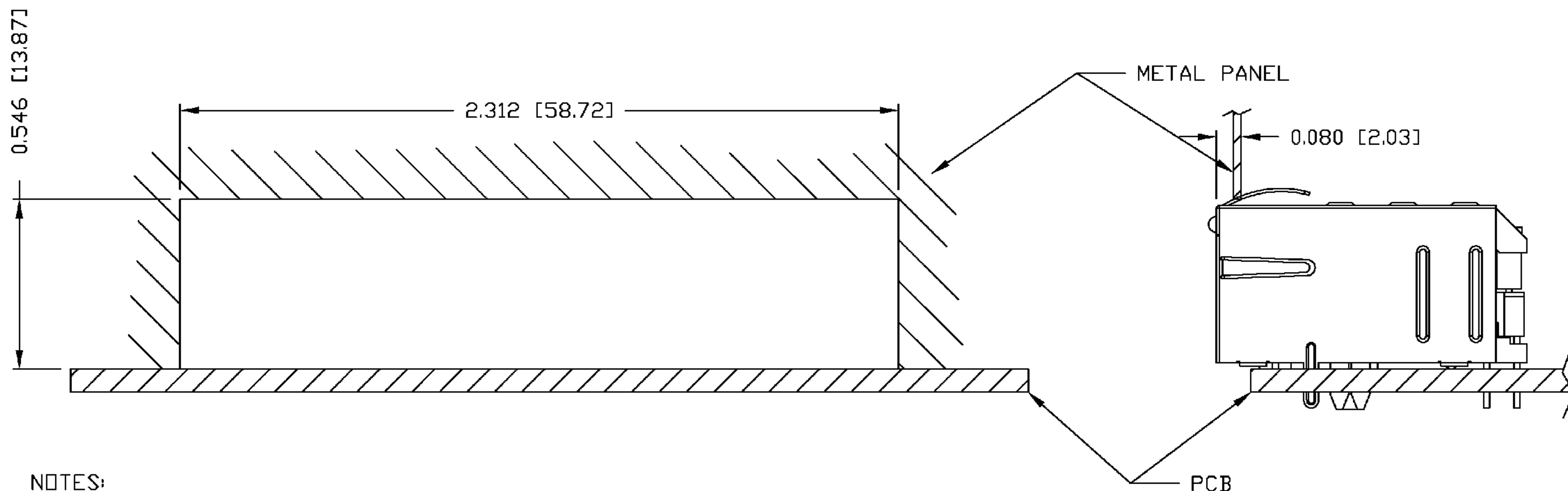
RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



ORIGINATED BY	DATE	TITLE MagJack® (CM Termination) 08B0-1X4T-03-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		
BILL	11-19-05		08B01X4T03-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
QIN	11-19-05		08B01X4T03-FA.DWG	.XX			PAGE : 5	
				.XXX	±0.004			

SUGGESTED PANEL OPENING



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 MagJack® (CM Termination) 08B0-1X4T-03-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
BILL	11-19-05		08B01X4T03-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
QIN	11-19-05		08B01X4T03-FA.DWG	.XX			PAGE : 6	
				.XXX	±0.004			