

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.

LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
-	+	YELLOW	-	+	YELLOW
+	-	GREEN	+	-	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

CL @ 100kHz/100mVRMS (0°C-70°C)

8mA DC BIAS	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)

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
-----------------	------------

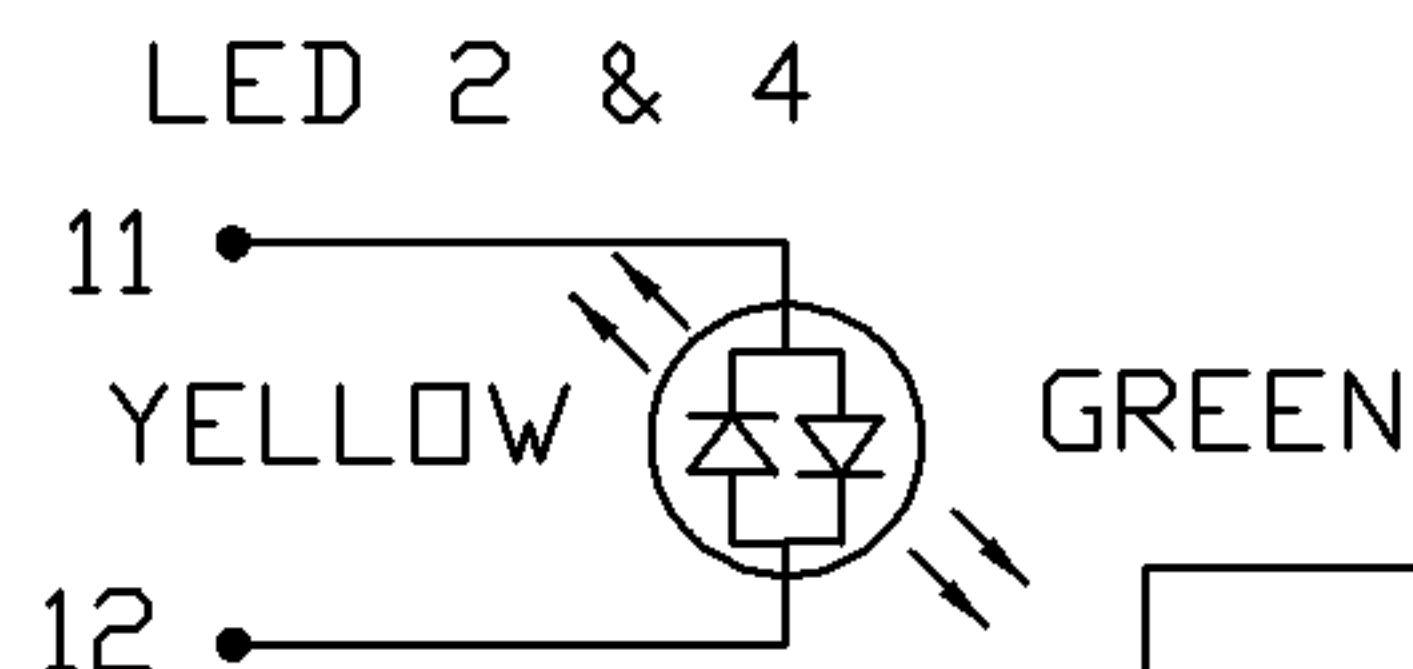
HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS

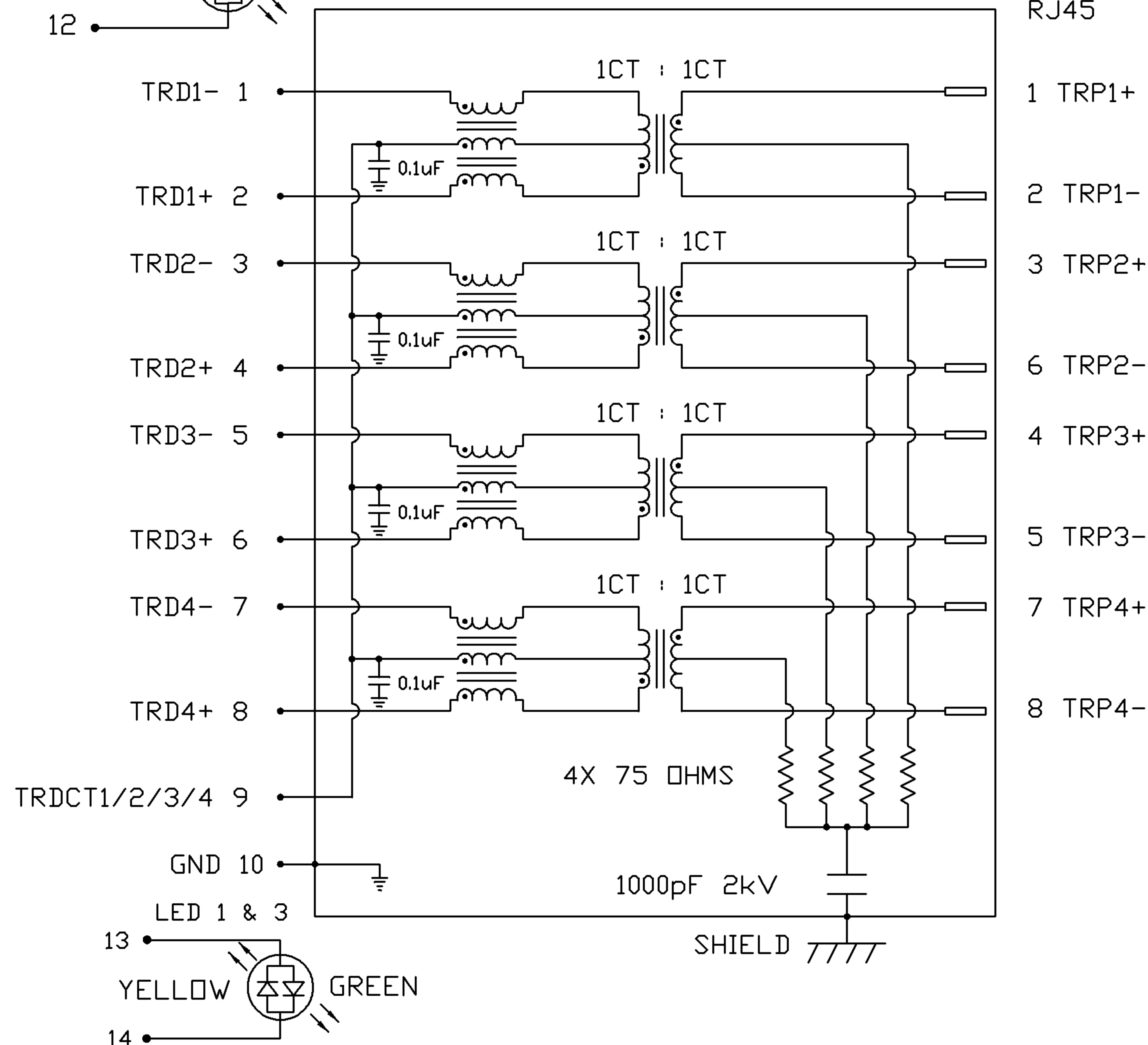
LEDS 1, 2, 3 AND 4



VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
	IF=20mA YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
	IF=20mA YELLOW 590nm TYP.



PRELIMINARY

SCHEMATIC

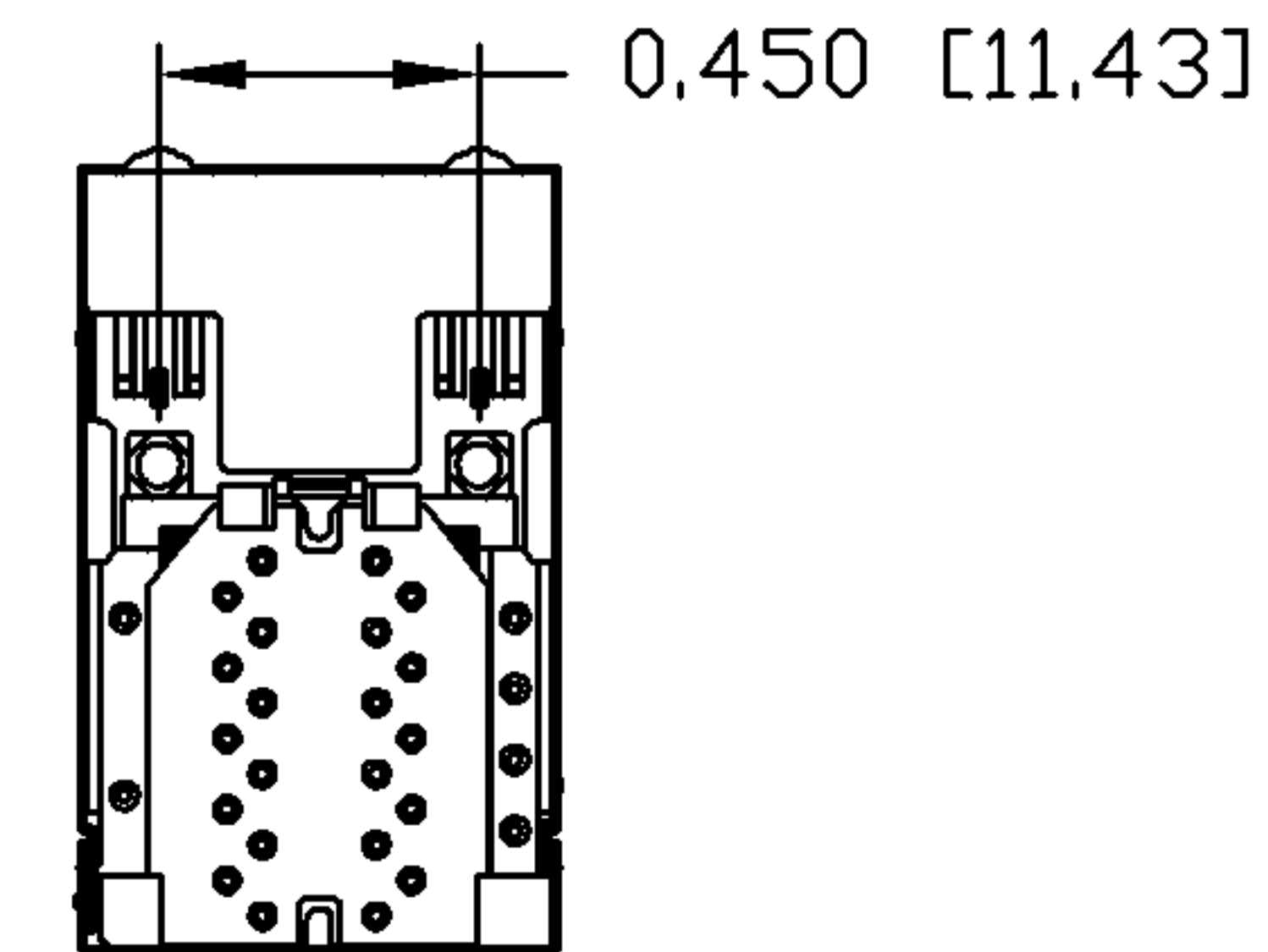
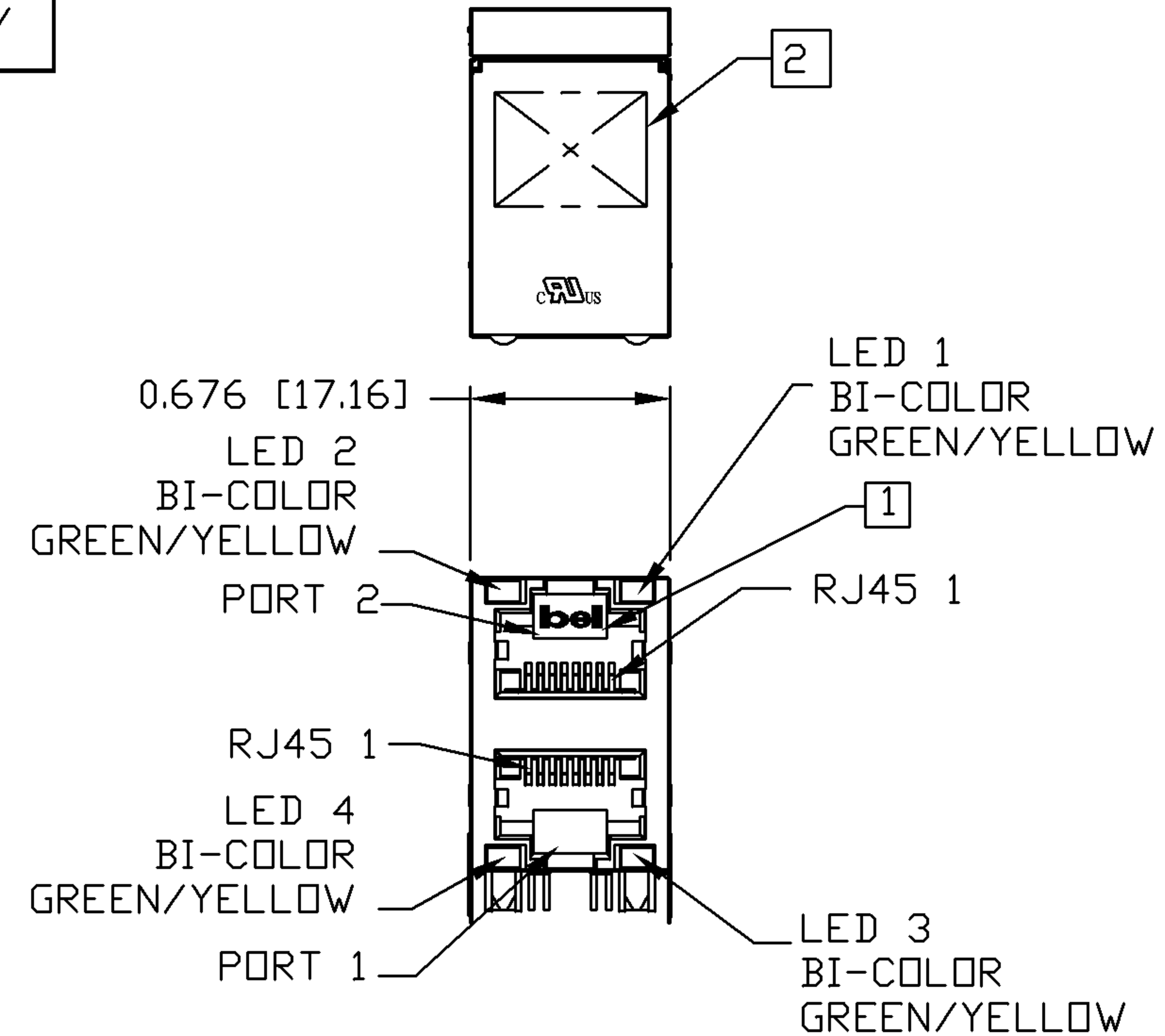
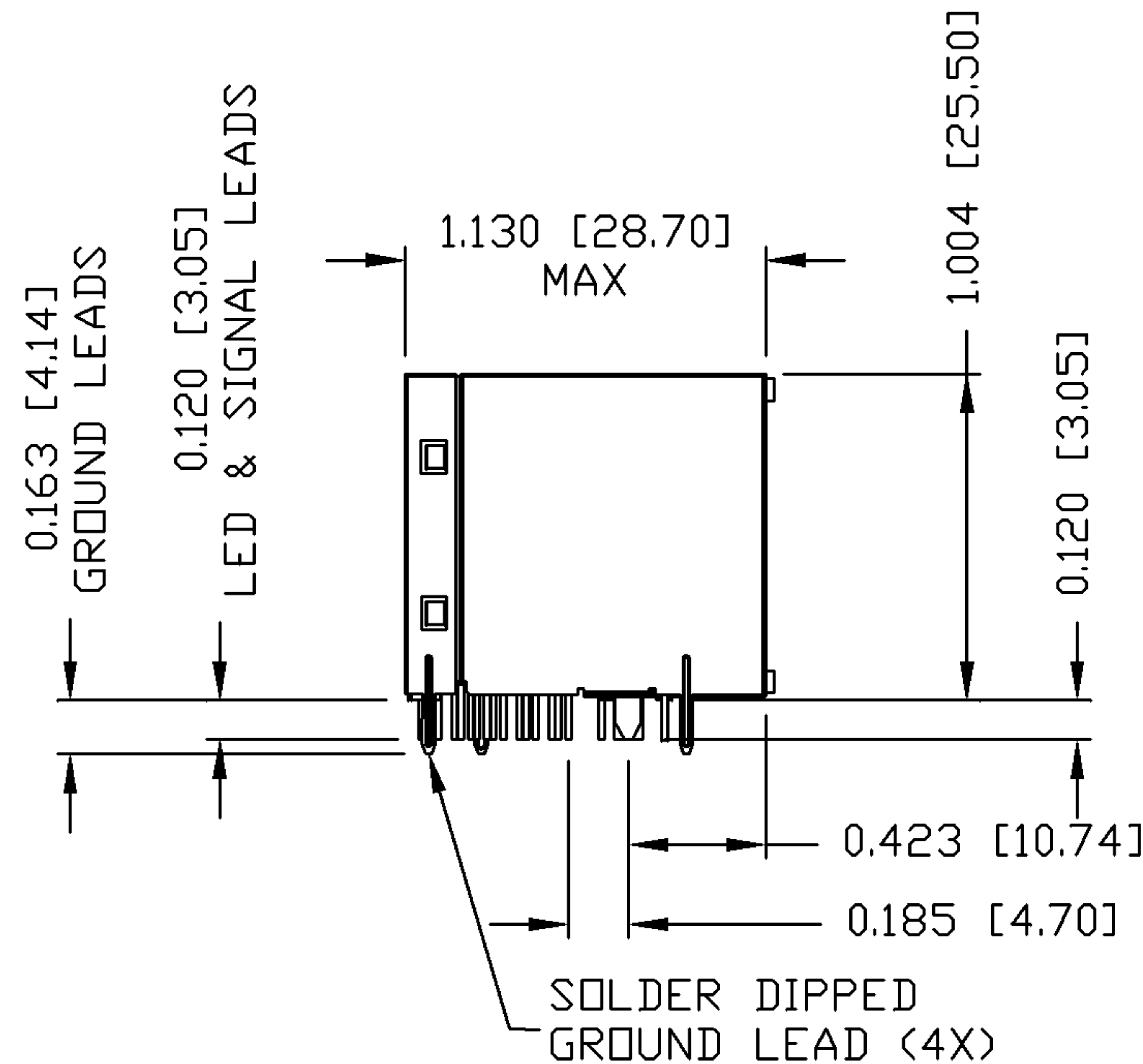


ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		<div> COMPONENTS FOR A CONNECTED PLANET</div>			
CHOW WANCHUNG		12-01-08			2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2CX1-54	TOL. IN INCH			UNIT : INCH [mm]	REV. : PB	
DRAWN BY		DATE					FILE NAME	.X			SCALE : N/A	SIZE : A4
WEIDE LEE		12-01-08					0879-2CX1-54_PB.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.

PRELIMINARY

RoHS
2002/95/EC






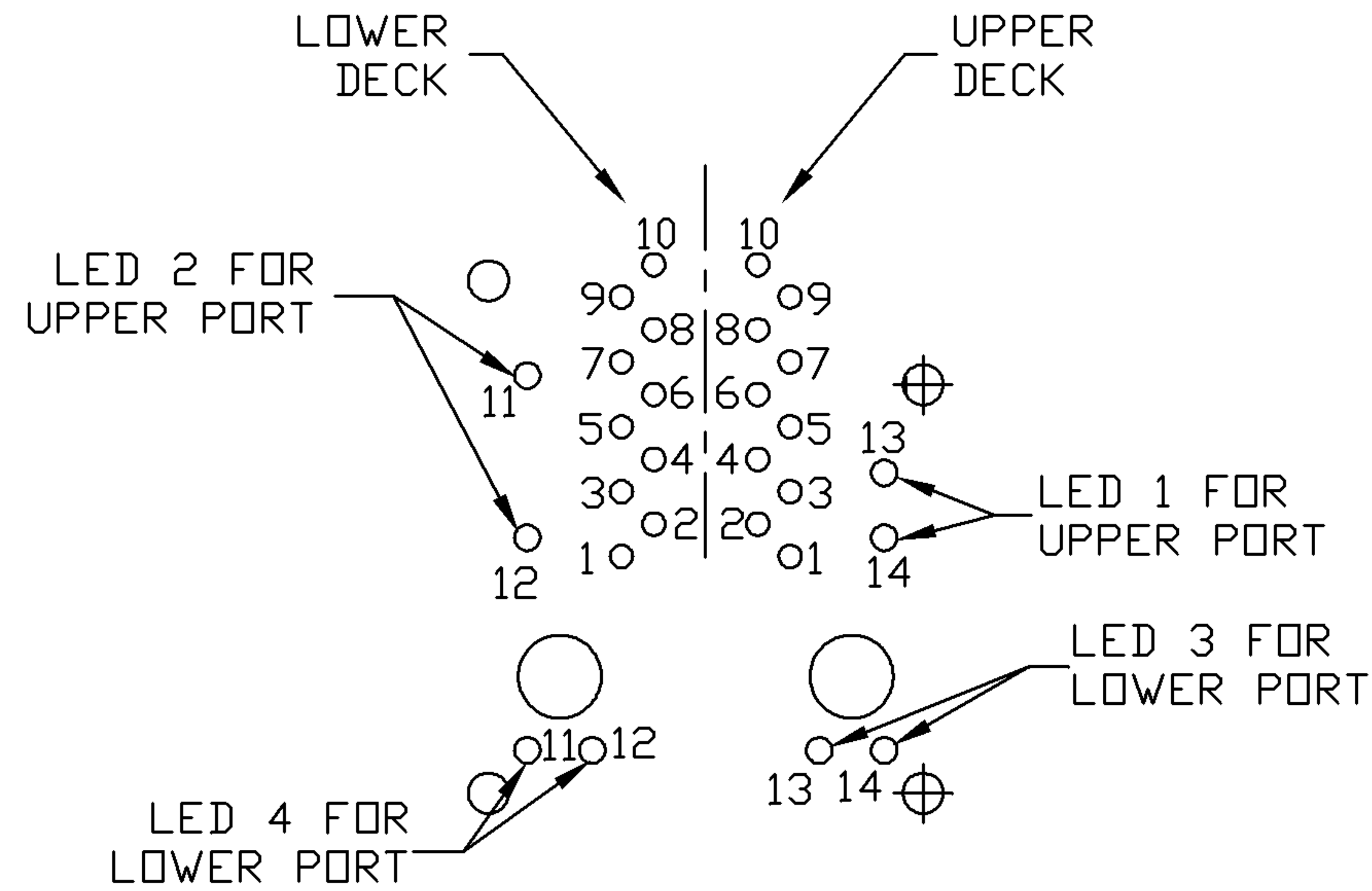
NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 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, PART 68 SUBPART F.
- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
- RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

 UL RECOGNIZED - FILE #E196366 AND E169987.

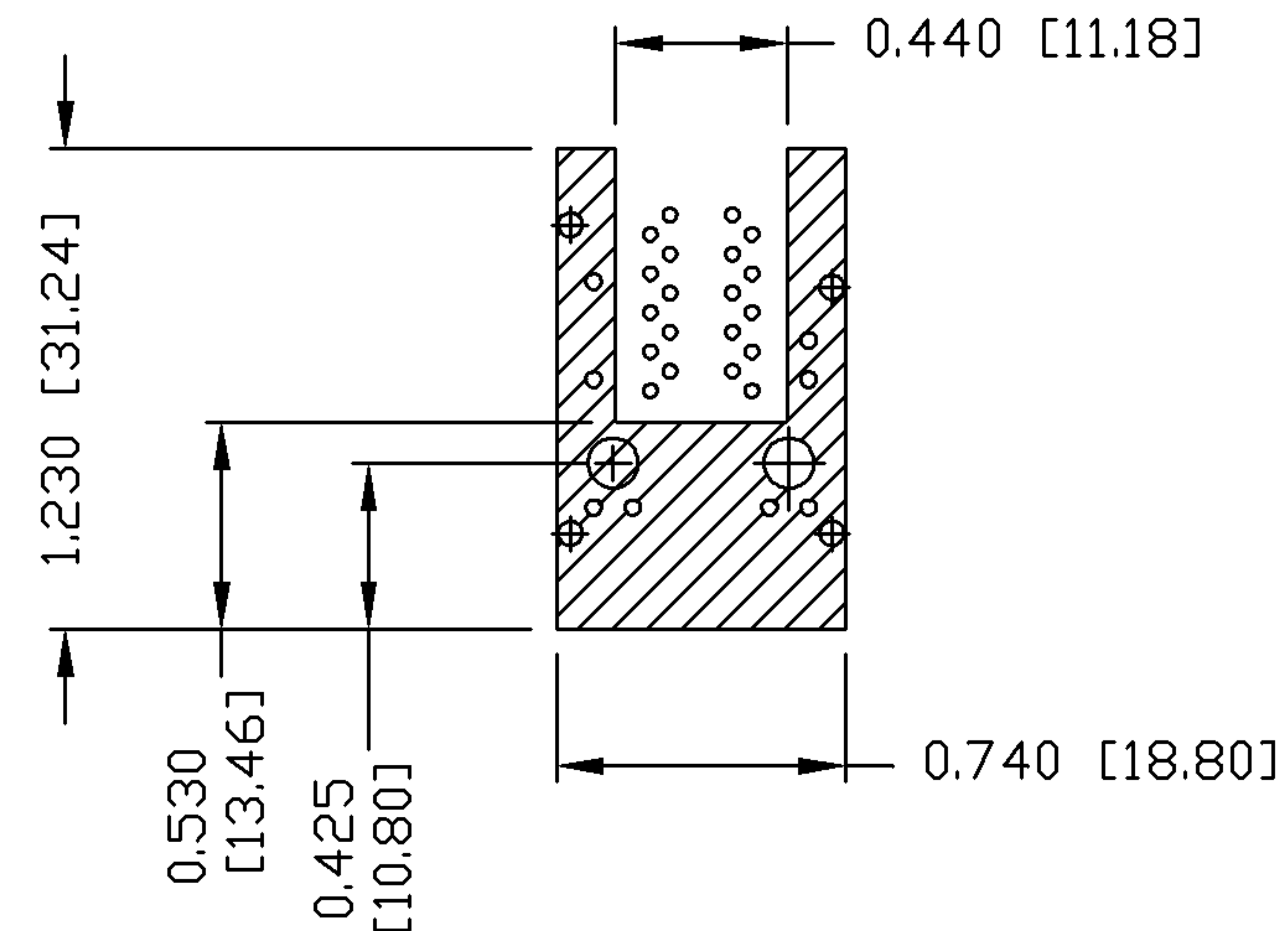
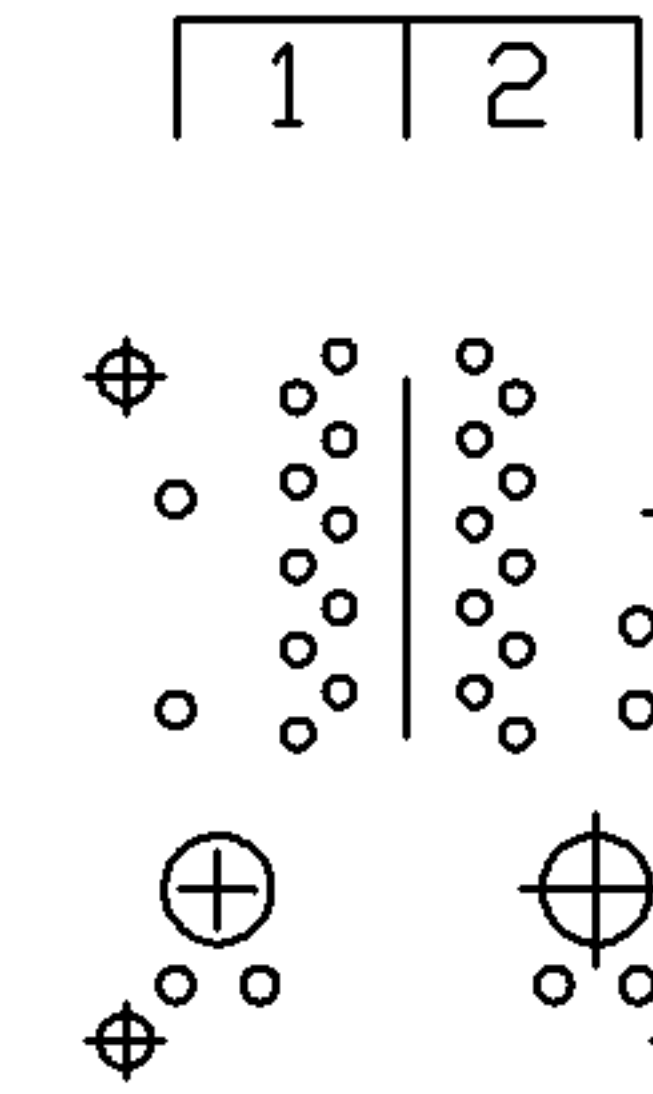
ORIGINATED BY	DATE	TITLE 2X1 glgabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
LIU QIN	12-01-08 <td>0879-2CX1-54</td> <th colspan="2">TOL. IN INCH</th> <th colspan="2">UNIT : INCH [mm] REV. : PB</th>		0879-2CX1-54	TOL. IN INCH		UNIT : INCH [mm] REV. : PB		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
DAVID CAO	12-01-08		0879-2CX1-54_PB.DWG	.XX		PAGE : 3		
				.XXX		±0.010		



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND		
9	TRCT1/2/3/4		
8	TRD 4+		
7	TRD 4-		
6	TRD 3+		
5	TRD 3-		
4	TRD 2+	14	GREEN (-) YELLOW (+)
3	TRD 2-	13	GREEN (+) YELLOW (-)
2	TRD 1+	12	GREEN (-) YELLOW (+)
1	TRD 1-	11	GREEN (+) YELLOW (-)

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



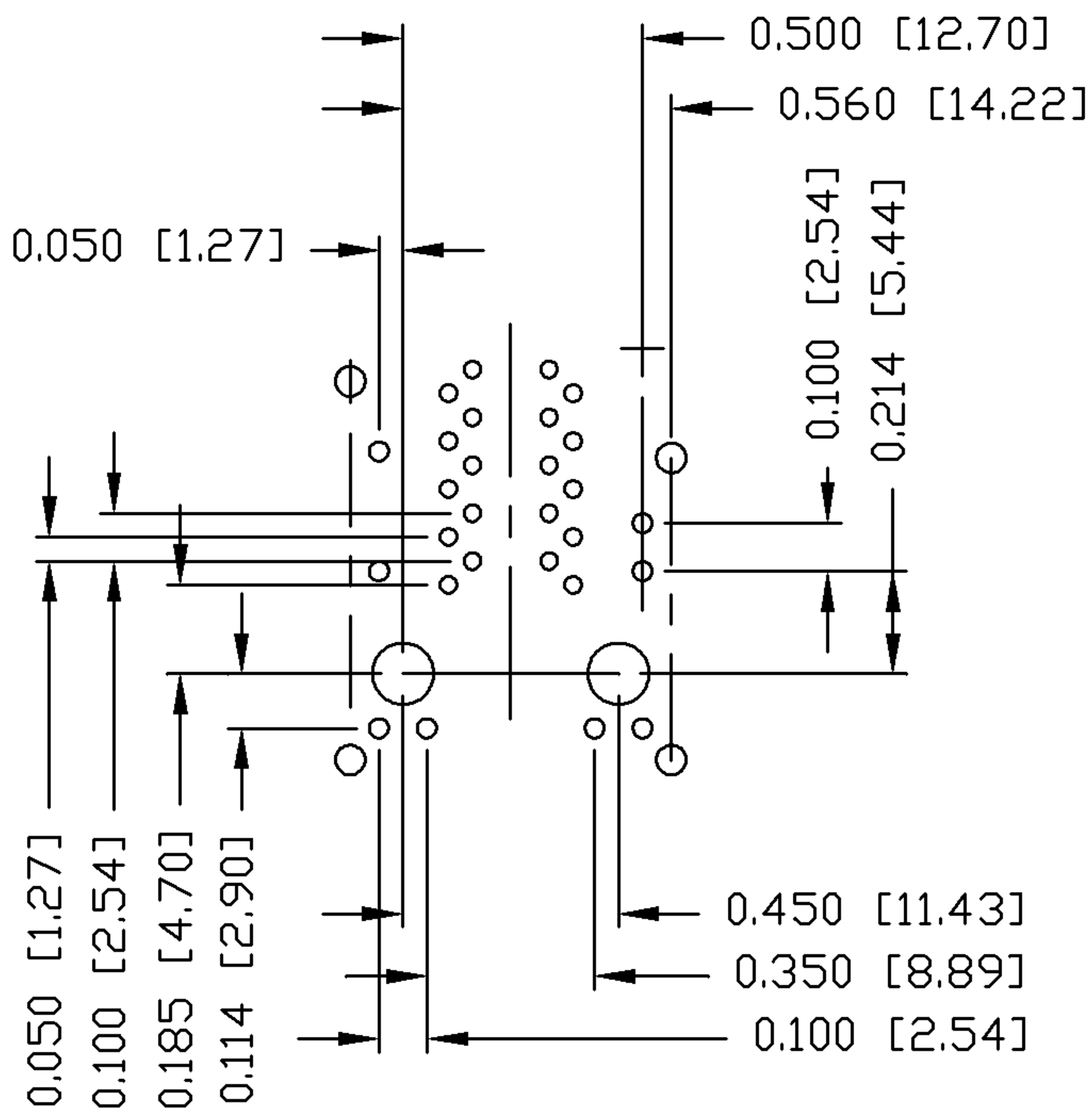
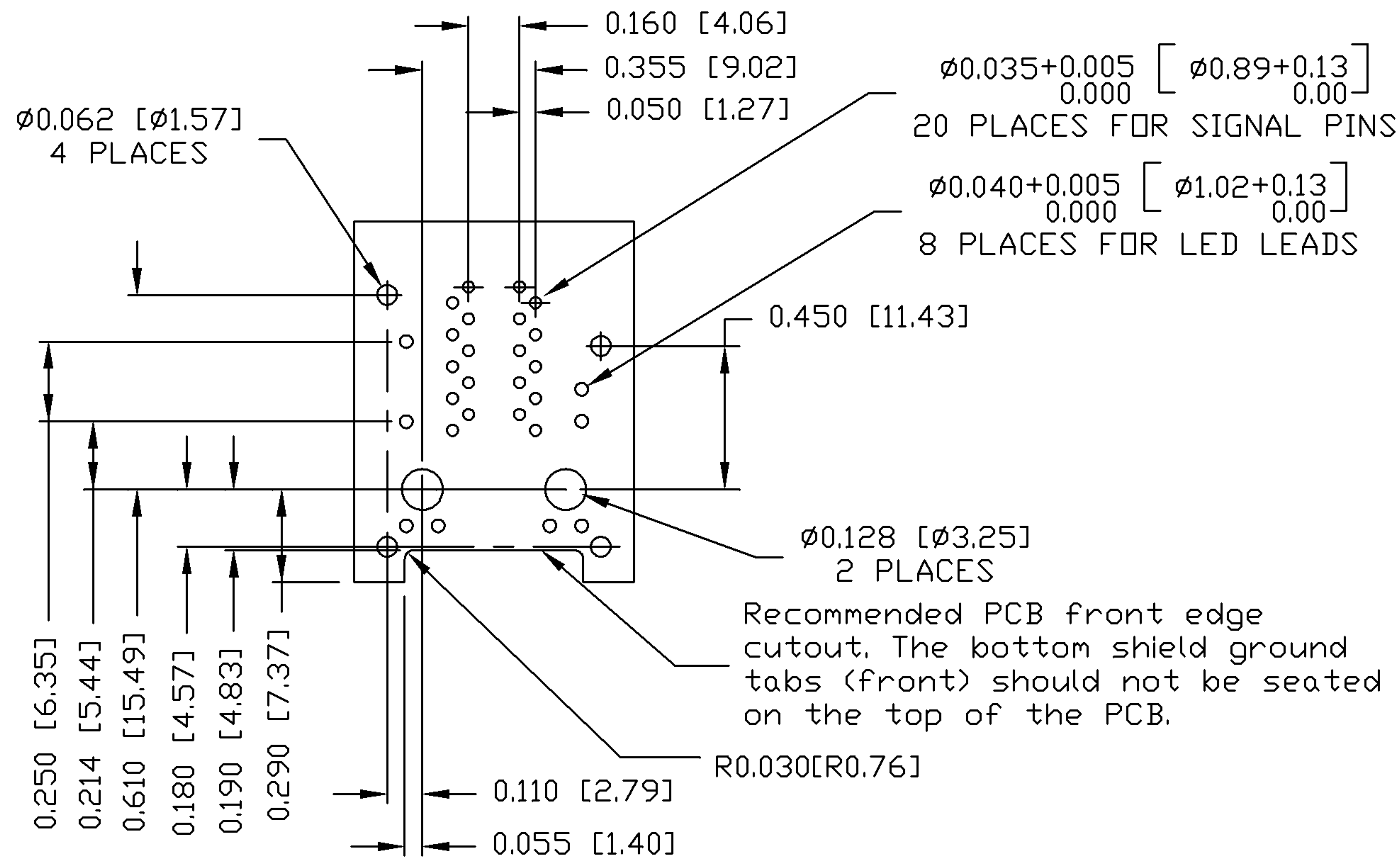
THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
LIU QIN	12-01-08	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2CX1-54	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	REV. : PB	
DAVID CAO	12-01-08		0879-2CX1-54_PB.DWG	.XX	SCALE : N/A	
				.XXX	±0.004	SIZE : A4
						PAGE : 4

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.

PRELIMINARY

RoHS
2002/95/EC



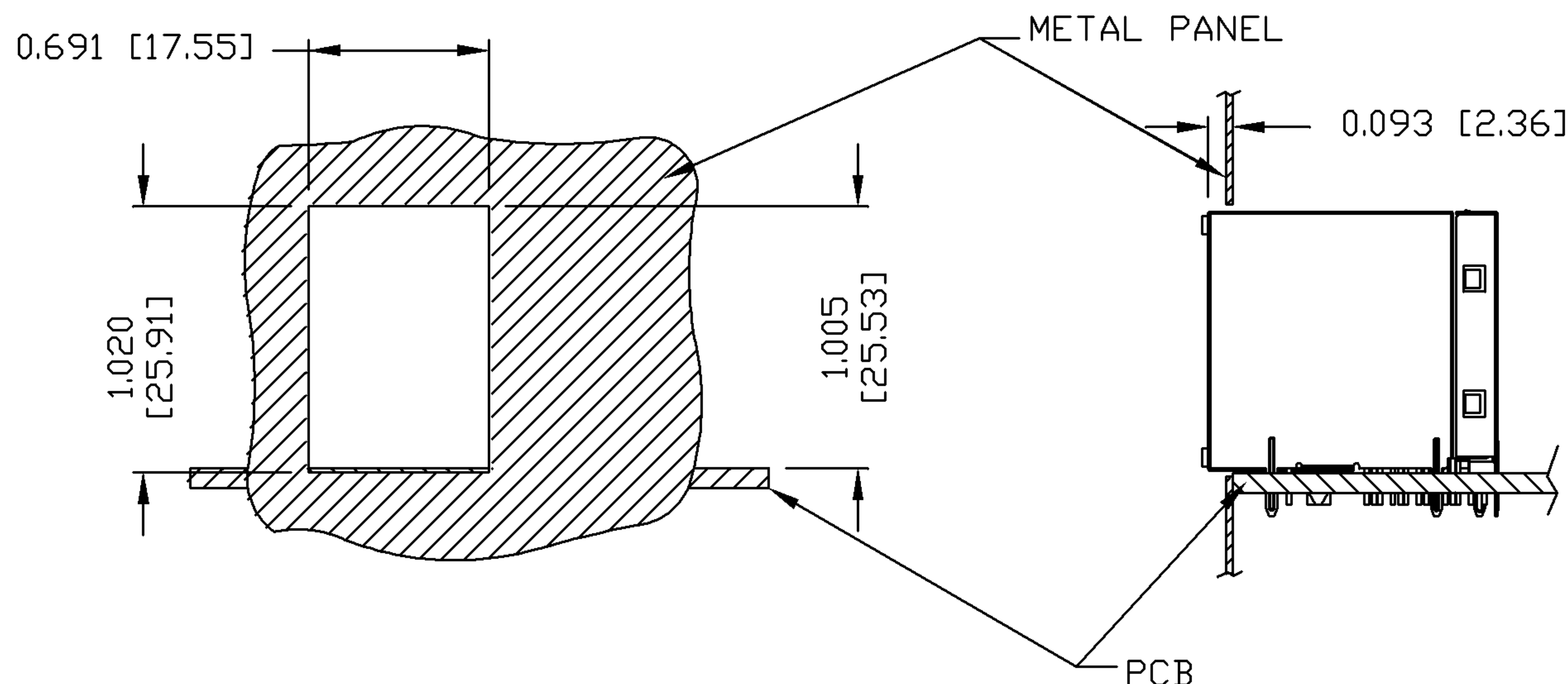
SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
LIU QIN	12-01-08	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2CX1-54	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DAVID CAO	12-01-08		0879-2CX1-54_PB.DWG	.XX		PAGE : 5
				.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.

SUGGESTED PANEL OPENING

PRELIMINARY



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-P8 (TOP)
0200-9999-P9 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
7 TRAYS (280 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. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
LIU QIN	12-01-08	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2CX1-54	.X	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DAVID CAO	12-01-08		0879-2CX1-54_PB.DWG	.XXX ±0.004	PAGE : 6

