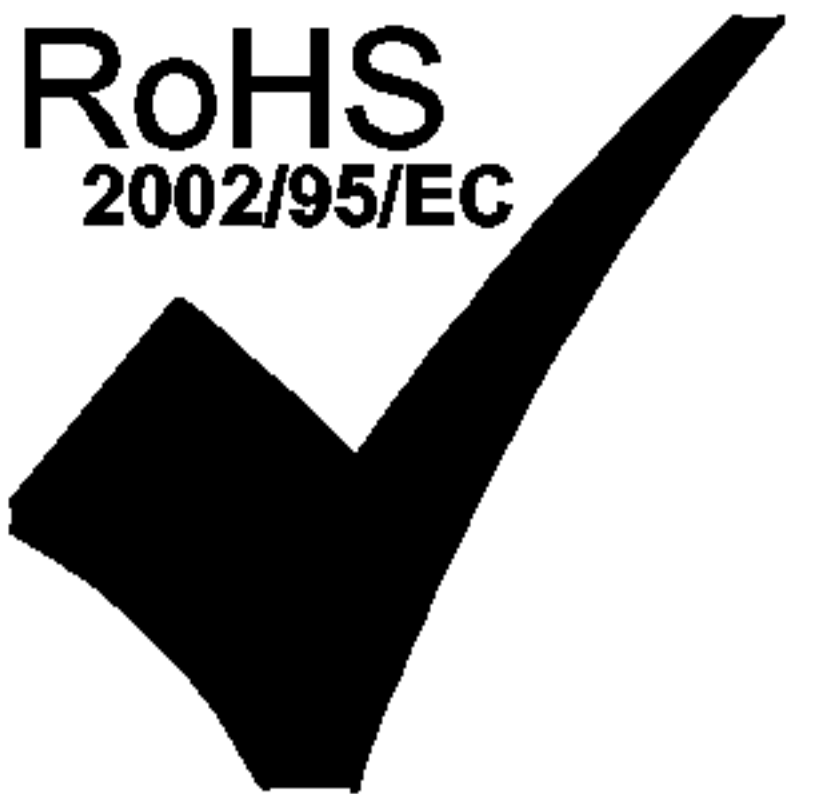


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LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	GREEN	-	+	YELLOW
			+	-	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

DCL @ 100kHz/100mVRMS

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

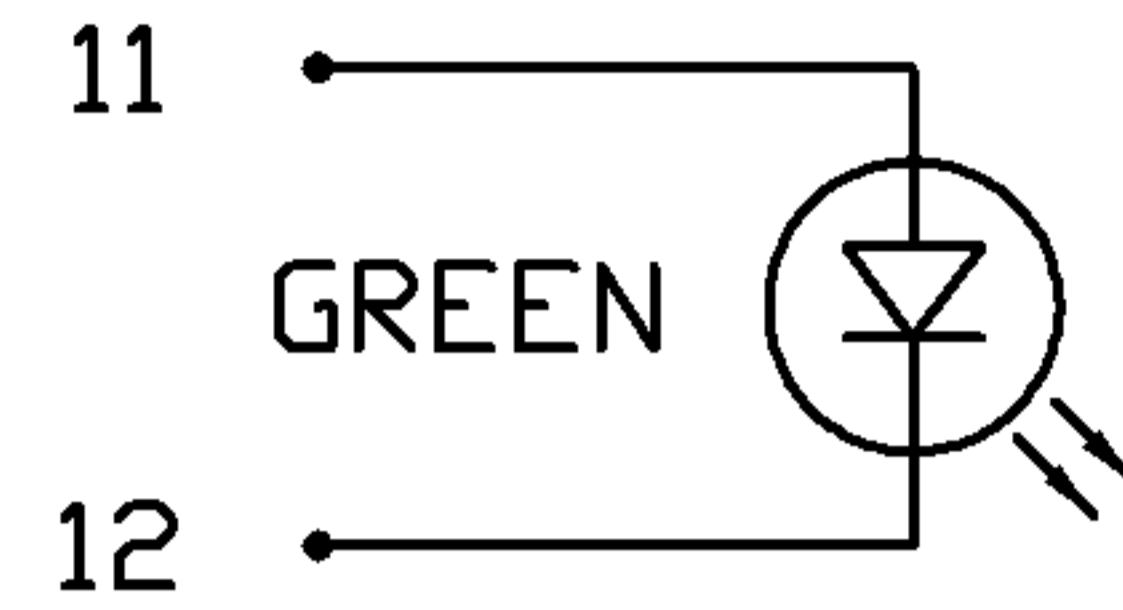
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LEDS 2 & 4

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

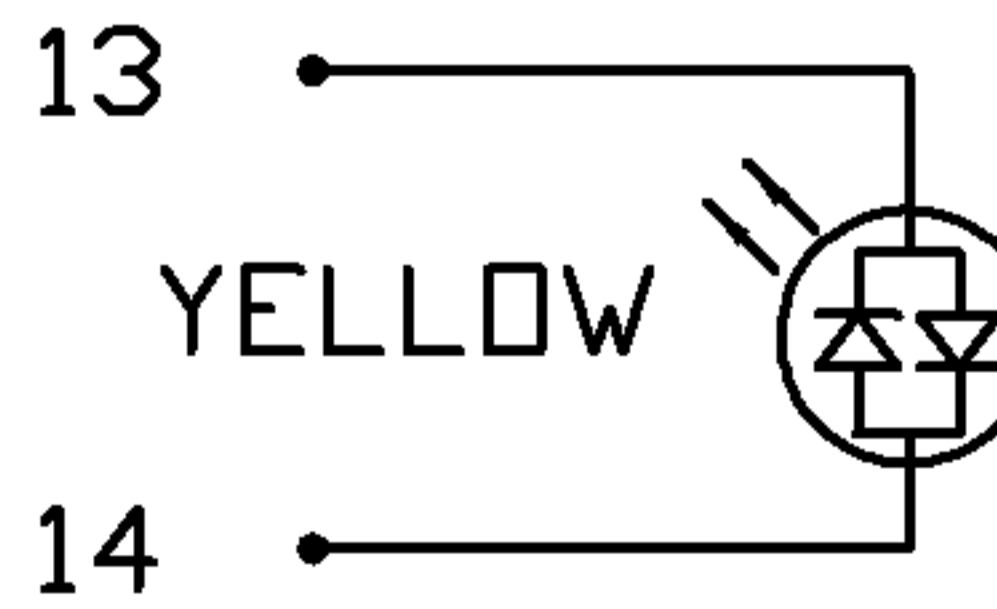
VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		YELLOW	590nm TYP.

LED 2 & 4

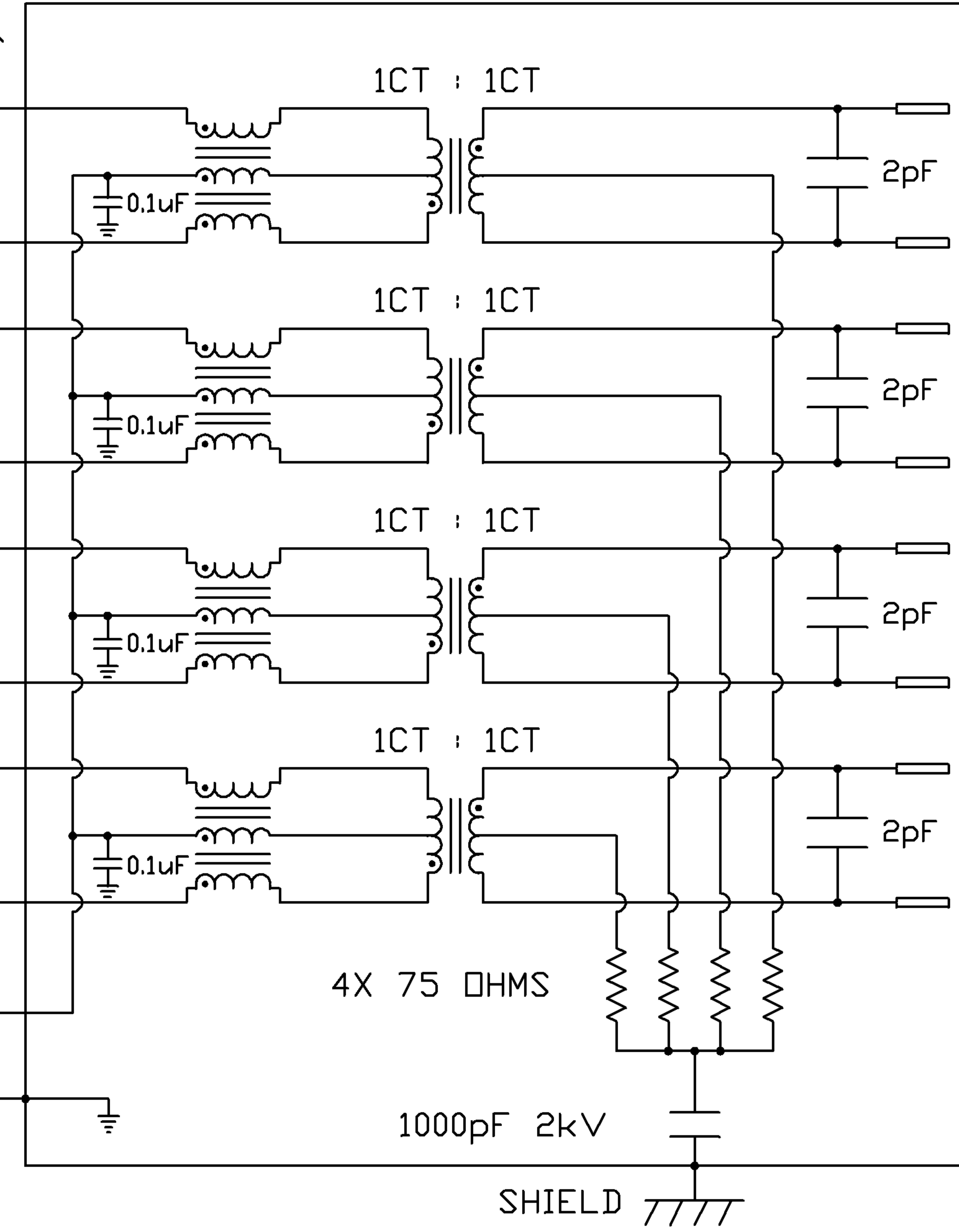


TRDCT1/2/3/4 9

LED 1 & 3



SCHEMATIC



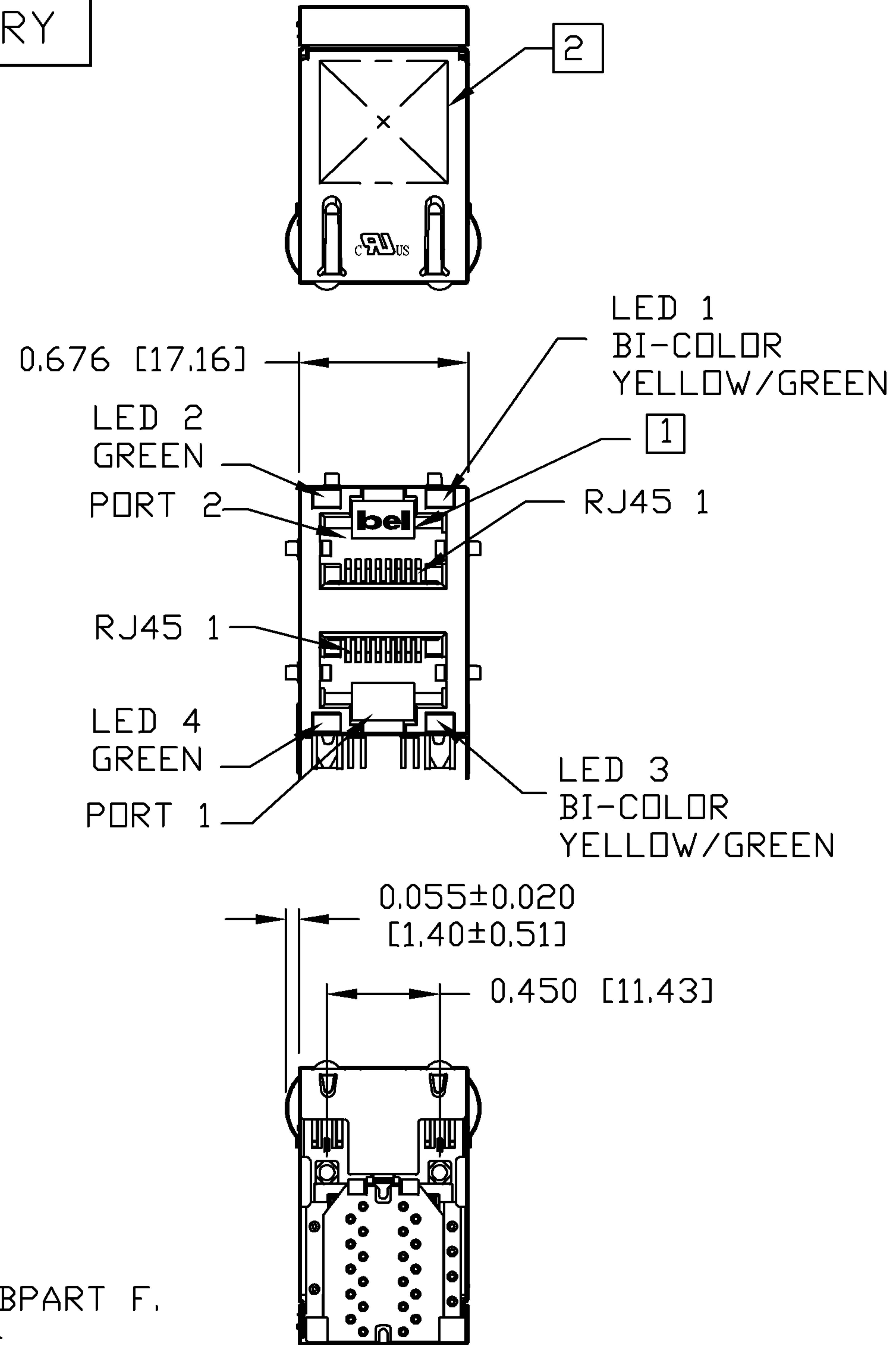
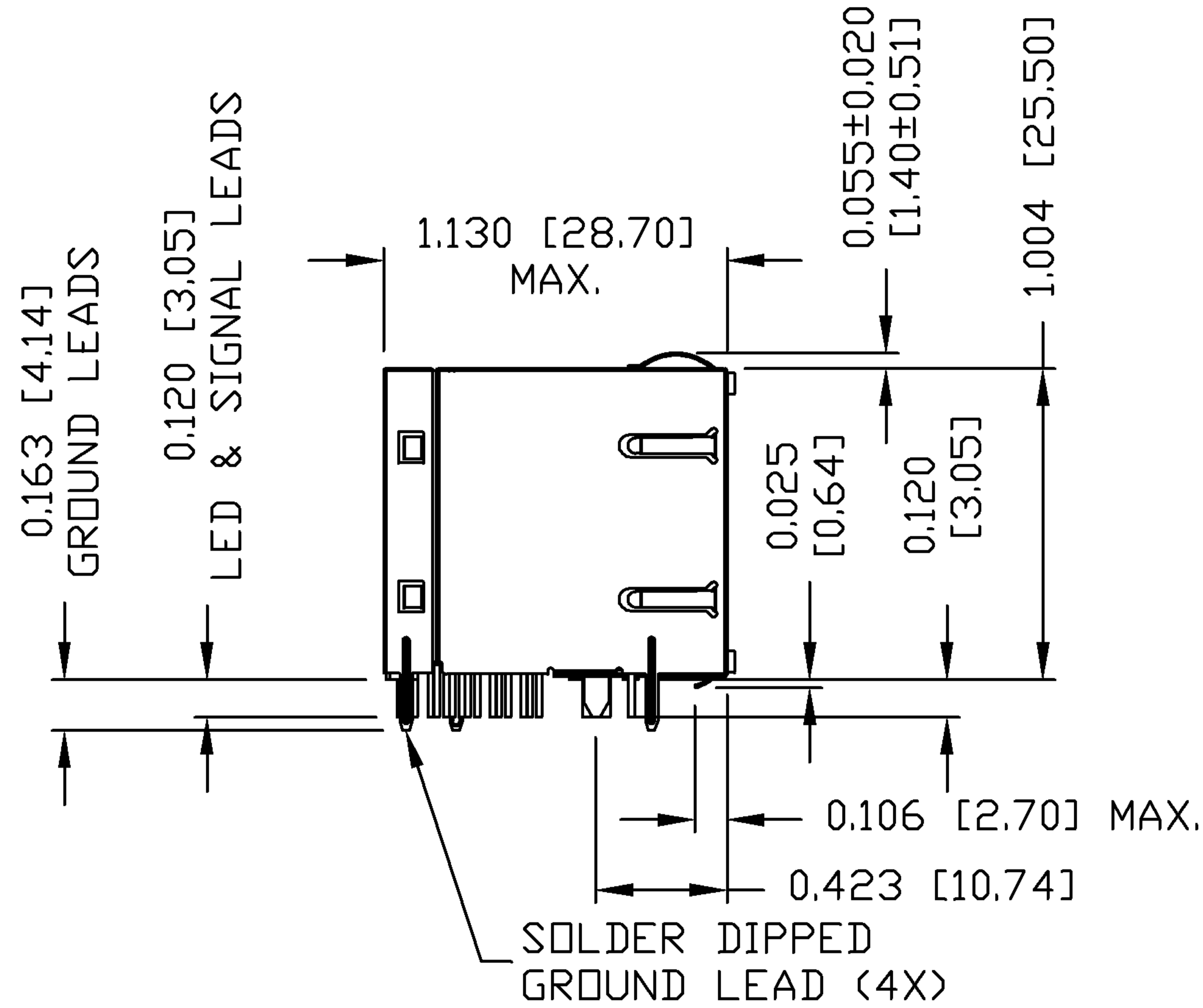
RJ45

- 1 TRP1+
- 2 TRP1-
- 3 TRP2+
- 6 TRP2-
- 4 TRP3+
- 5 TRP3-
- 7 TRP4+
- 8 TRP4-

ORIGINATED BY CHOW WANCHUNG	DATE 11-29-08	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO. 0879-2L1R-Y6	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		
DRAWN BY WEIDE LEE	DATE 11-29-08		FILE NAME 0879-2L1R-Y6_PB.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A	REV. : PB SIZE : A4 PAGE : 2	

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PRELIMINARY



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)

[1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

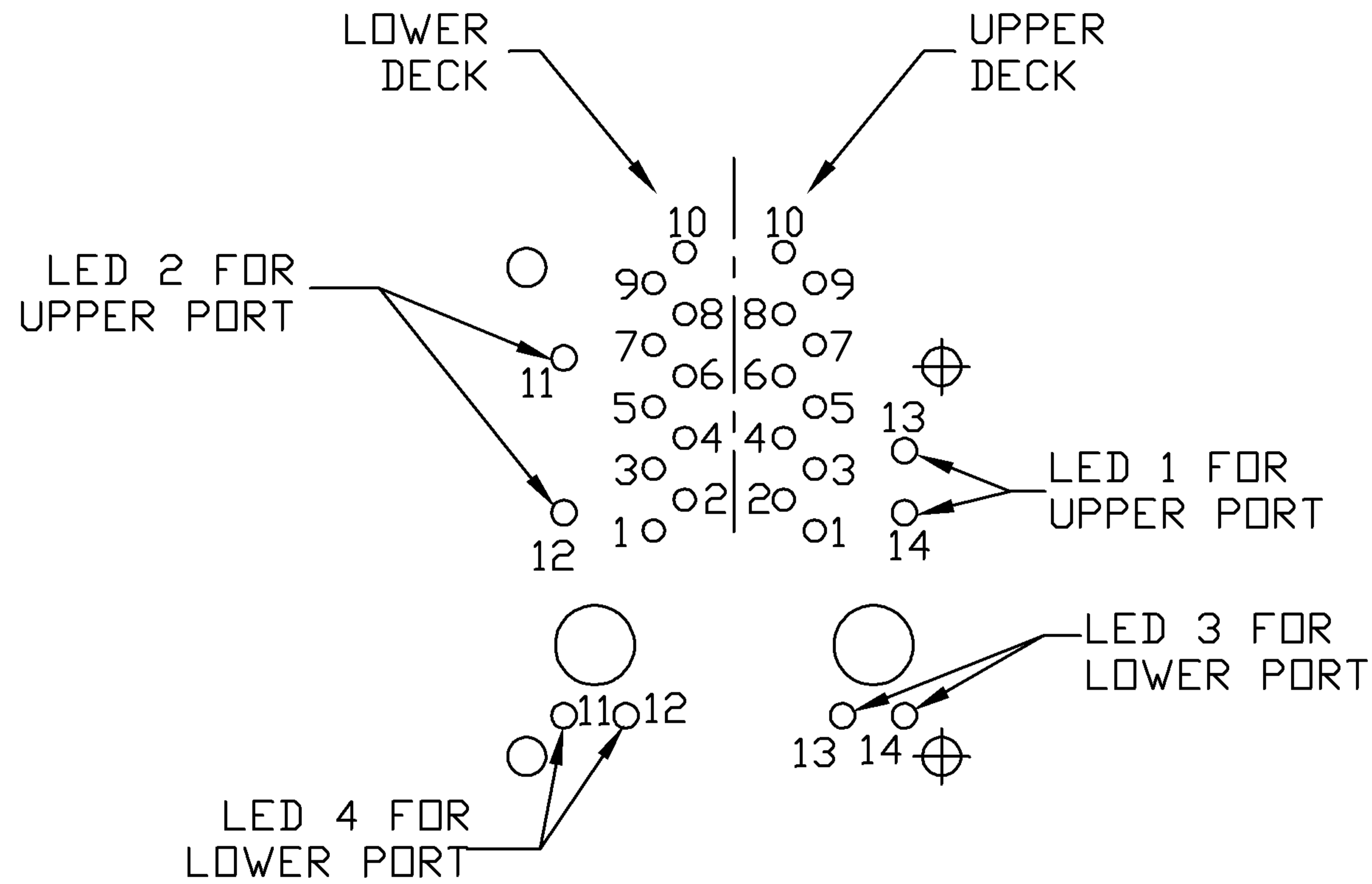
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL RECOGNIZED - FILE #E196366 AND E169987.

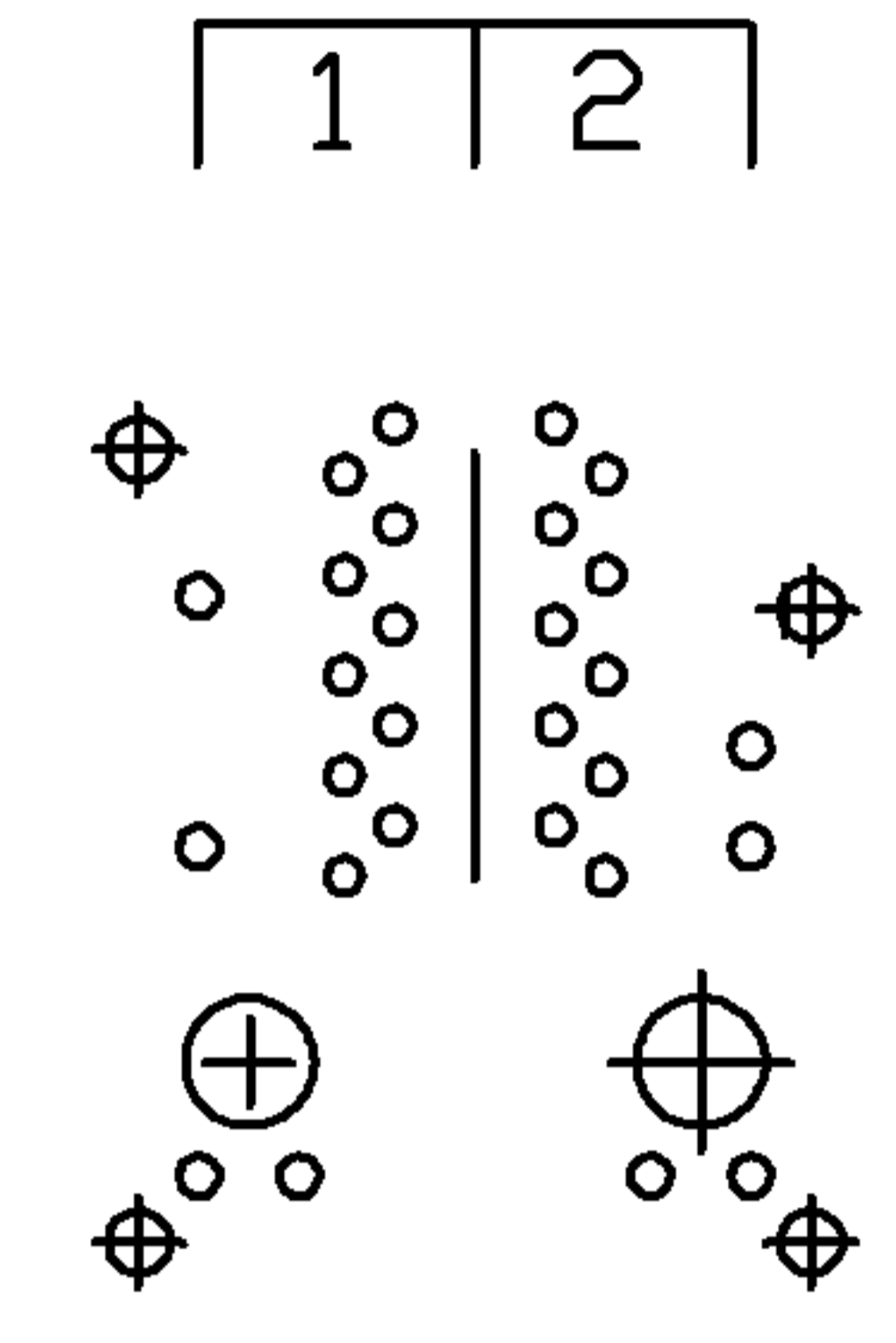
ORIGINATED BY	DATE	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DAVID CAO	11-29-08		0879-2L1R-Y6	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
LU XUEPING	11-29-08	0879-2L1R-Y6_PB.DWG	.XX	±0.010	PAGE : 3		

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PRELIMINARY

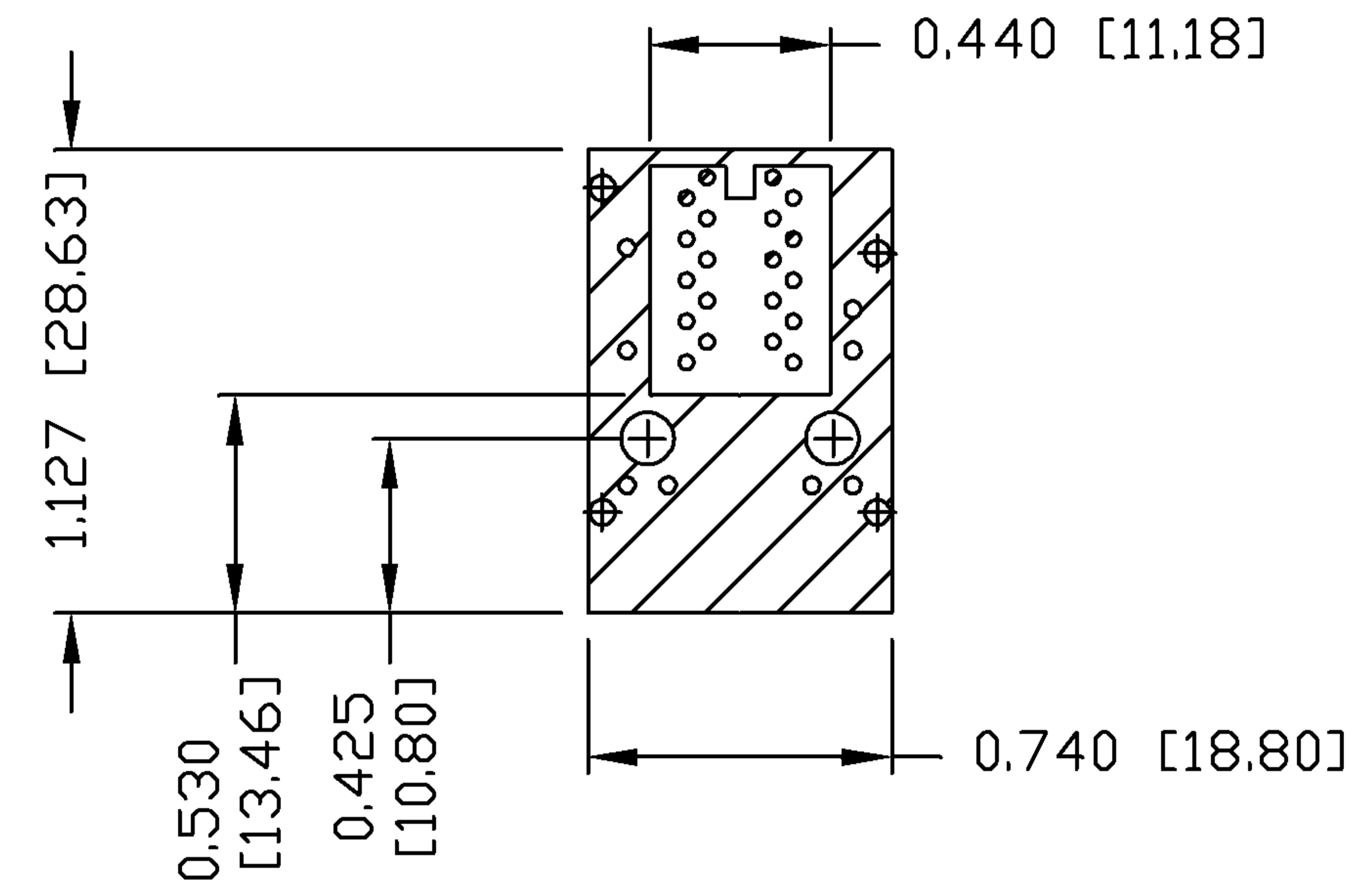


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



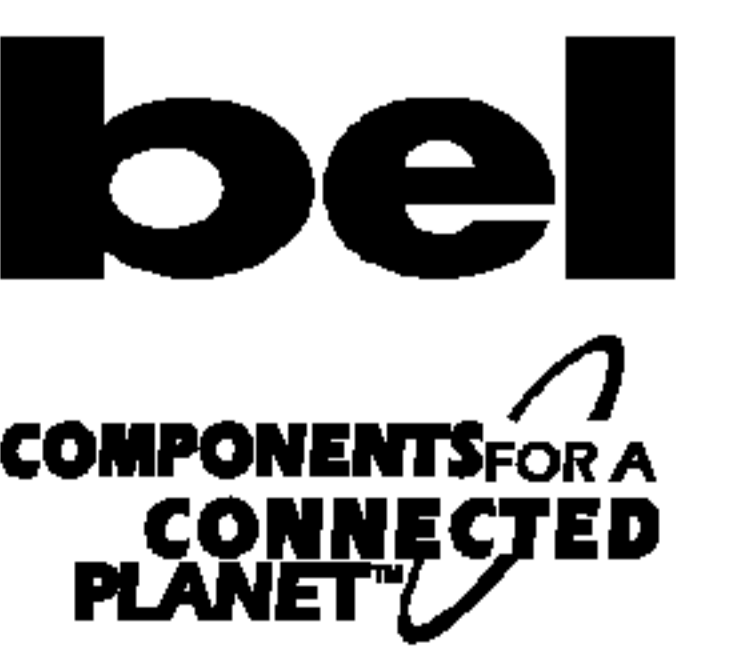
PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

14	YELLOW+/GREEN-
13	GREEN+/YELLOW-
12	GREEN LED -
11	GREEN LED +
10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-



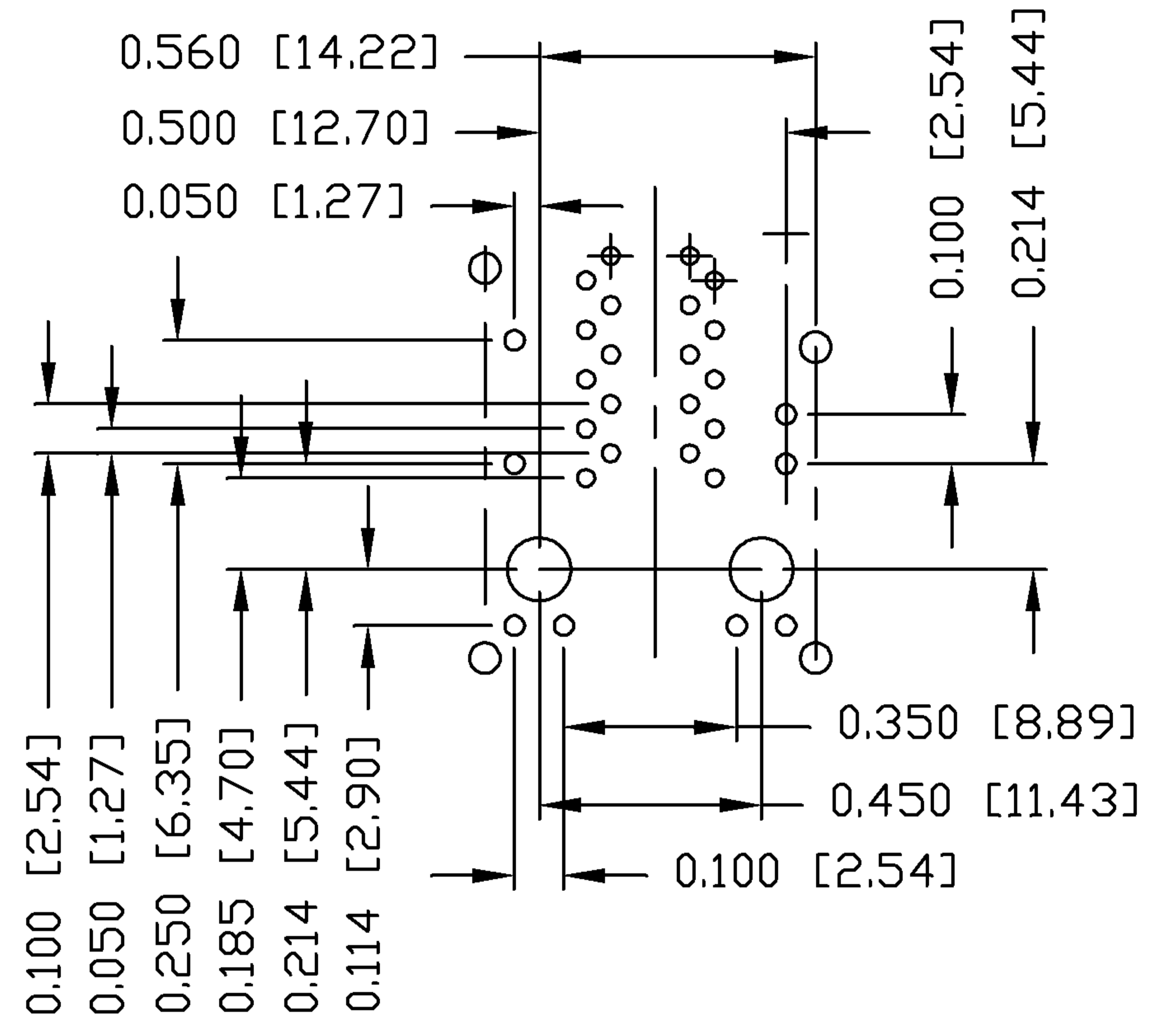
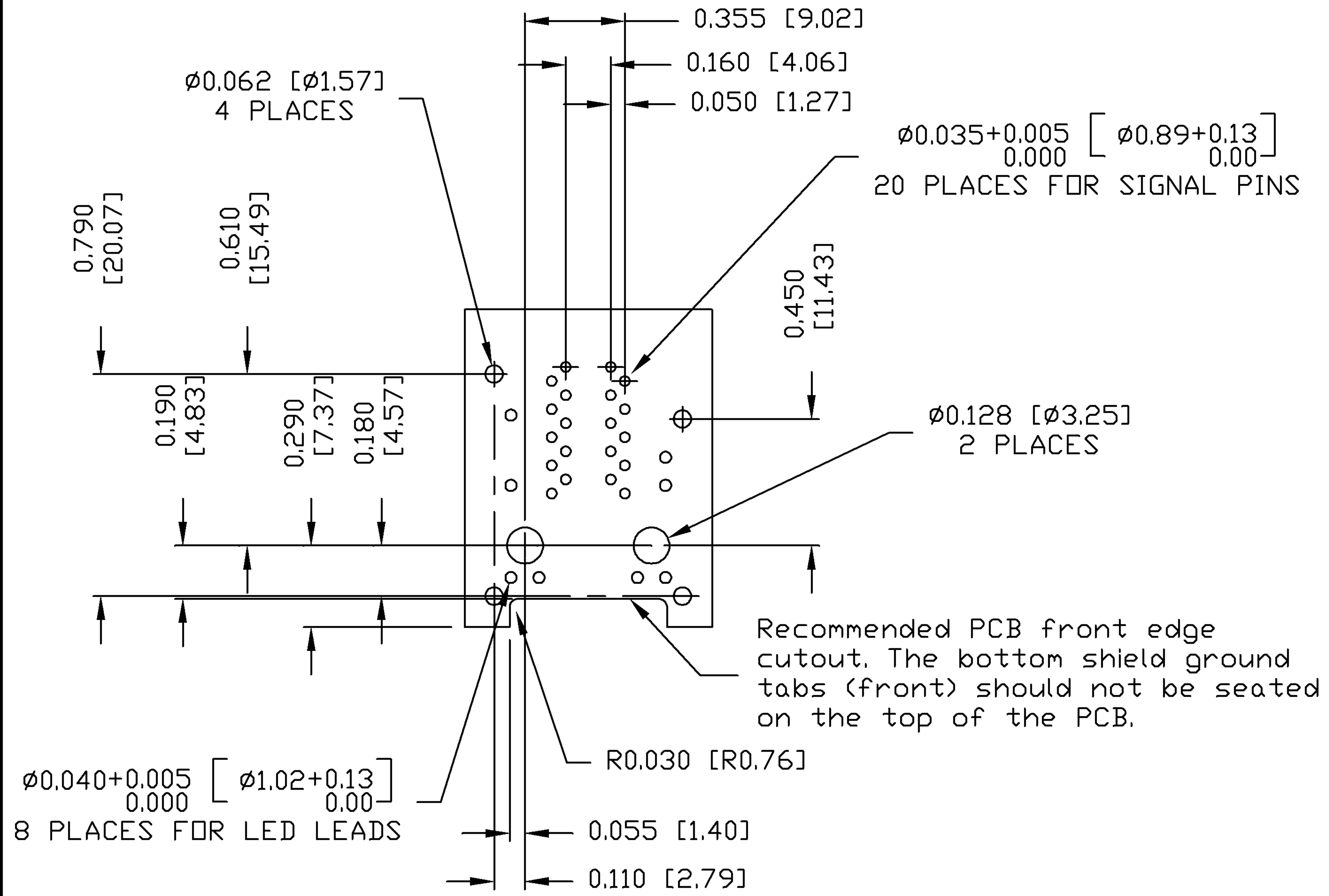
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY DAVID CAO	DATE 11-29-08	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO. 0879-2L1R-Y6	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
DRAWN BY LU XUEPING	DATE 11-29-08		FILE NAME 0879-2L1R-Y6_PB.DWG	.X .XX .XXX	±0.004



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PRELIMINARY



SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

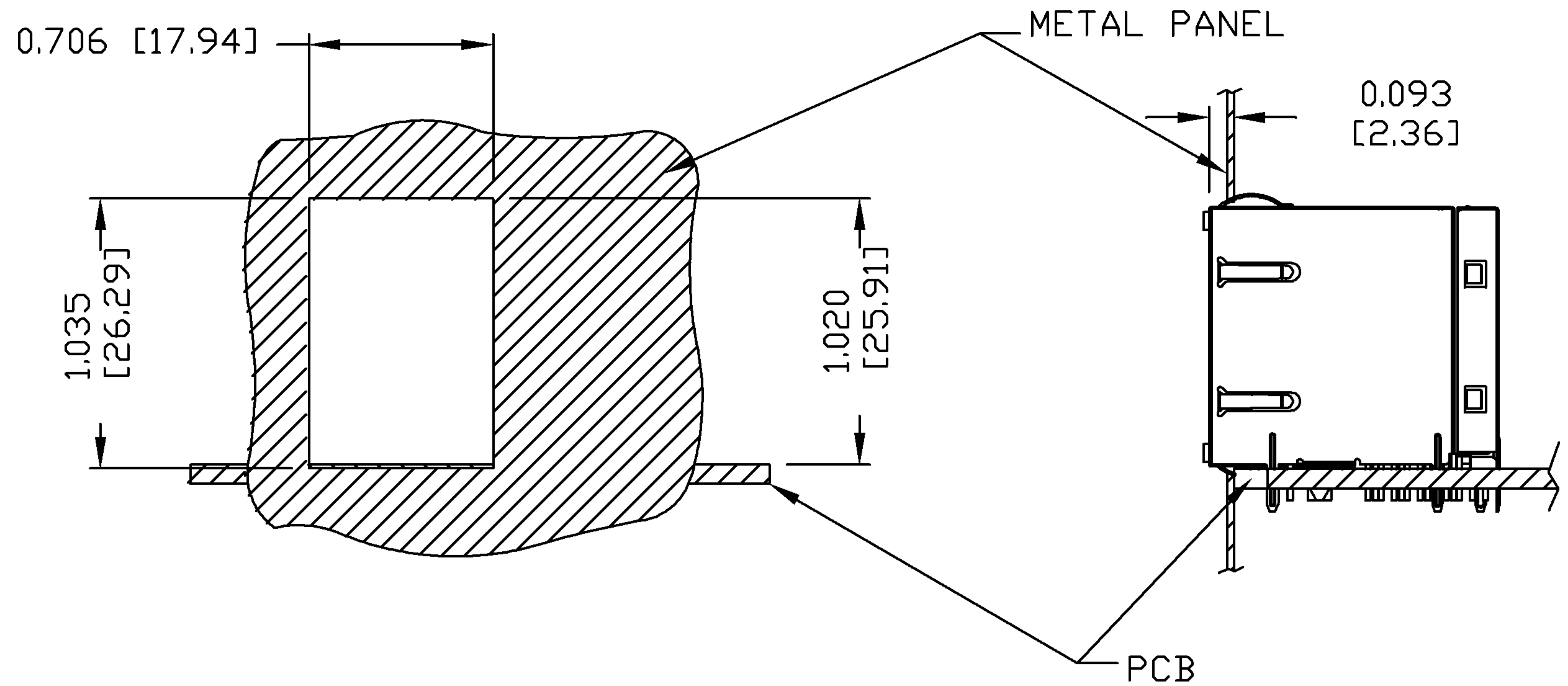
ORIGINATED BY DAVID CAO	DATE 11-29-08	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO. 0879-2L1R-Y6	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET	
DRAWN BY LU XUEPING	DATE 11-29-08	FILE NAME 0879-2L1R-Y6_PB.DWG	.X	/	UNIT : INCH [mm]		REV. : PB
			.XX	/	SCALE : N/A		SIZE : A4
			.XXX	±0.004			PAGE : 5

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PRELIMINARY



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-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 DAVID CAO	DATE 11-29-08	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO. 0879-2L1R-Y6	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PB	
DRAWN BY LU XUEPING	DATE 11-29-08		FILE NAME 0879-2L1R-Y6_PB.DWG	.X	/	SCALE : N/A	SIZE : A4	
				.XX				
				.XXX	±0.004		PAGE : 6	