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

PRELIMINARY



## ELECTRICAL CHARACTERISTICS @ 25°C

### URNS RATIO

TP1

TP2

TP3

TP4

CL @ 100kHz/100mVRMS

8mA DC BIAS

INS. LOSS

0.1MHz TO 1MHz

1MHz TO 65MHz

65MHz TO 100MHz

100MHz TO 125MHz

RET. LOSS (MIN)

0.5MHz-40MHz

40MHz-100MHz

CM TO CM REJ

100kHz - 100MHz

CM TO DM REJ

100kHz - 100MHz

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.

LD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

LEDS 1 & 3

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

LD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

1CT : 1CT ±2%

1CT : 1CT ±2%

1CT : 1CT ±2%

1CT : 1CT ±2%

350μH MIN.

-1.1 dB MAX

-0.5 dB MAX

-0.8 dB MAX

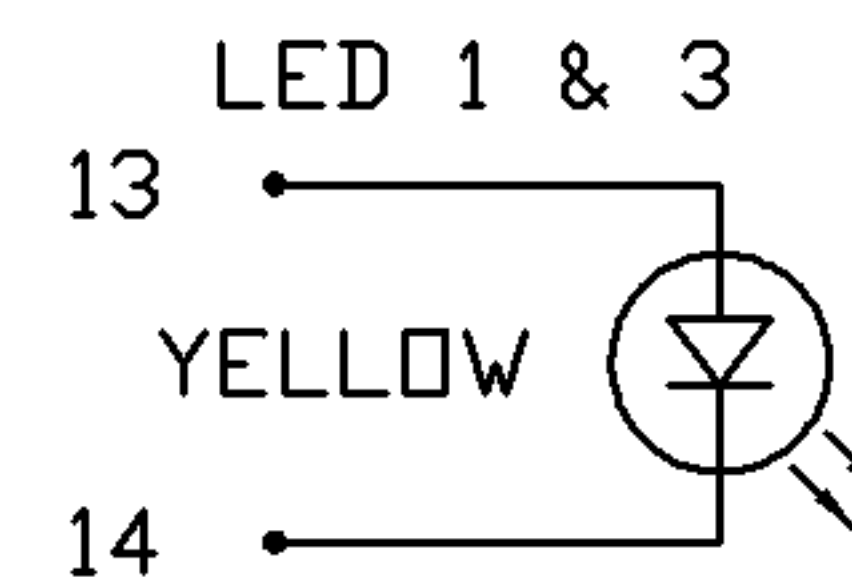
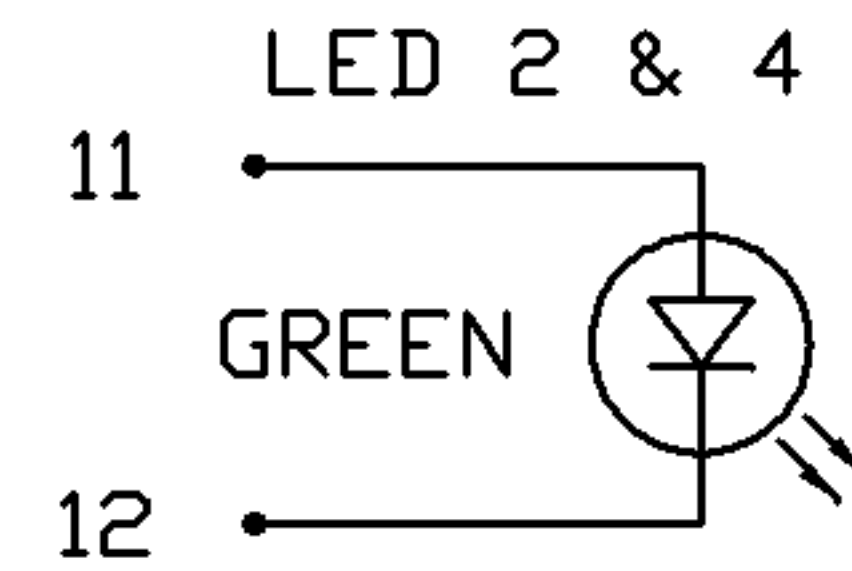
-1.2 dB MAX

-18 dB

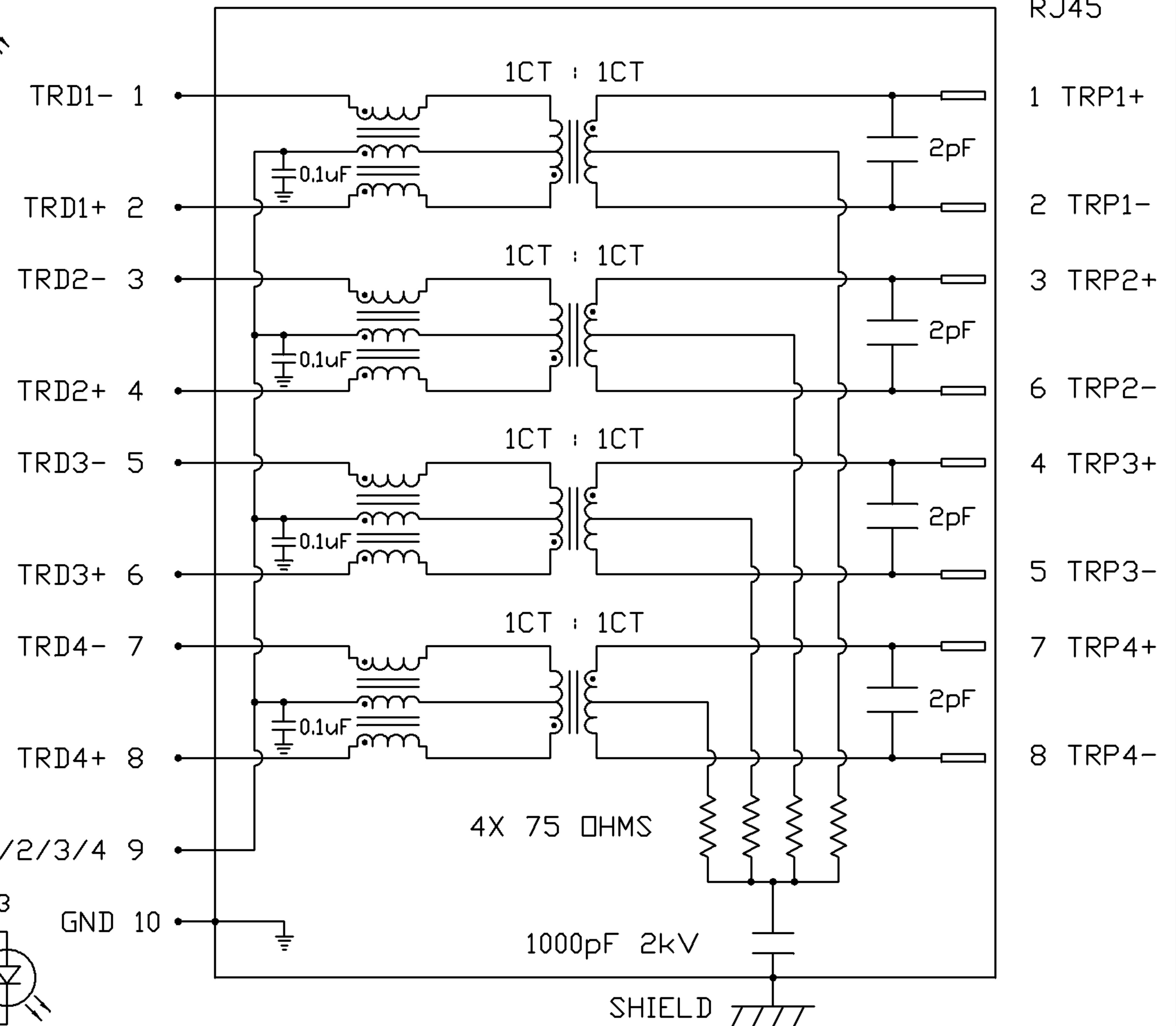
-12+20LOG(f/80MHz) dB

-30 dB MIN

-35 dB MIN



## SCHEMATIC

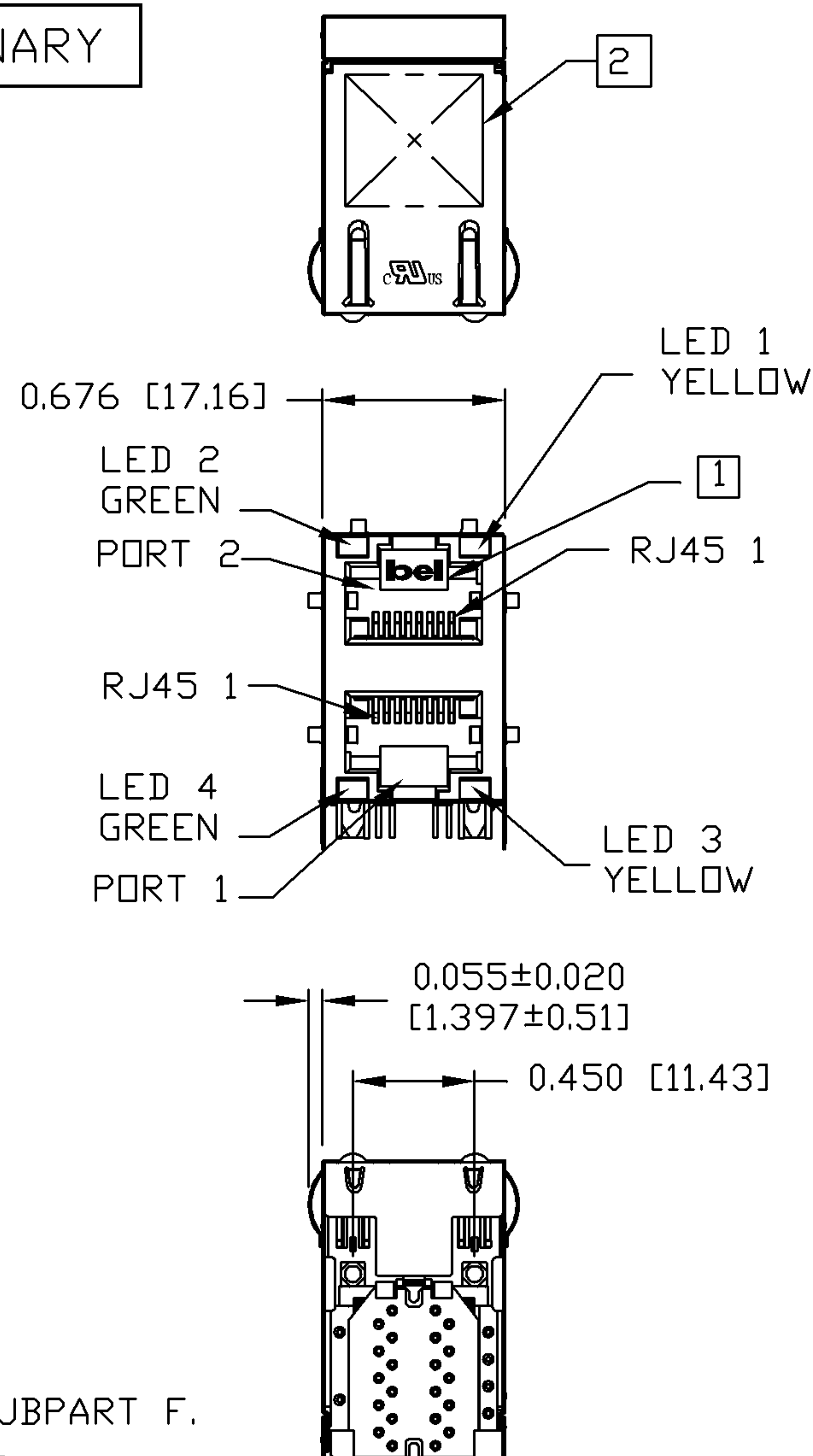
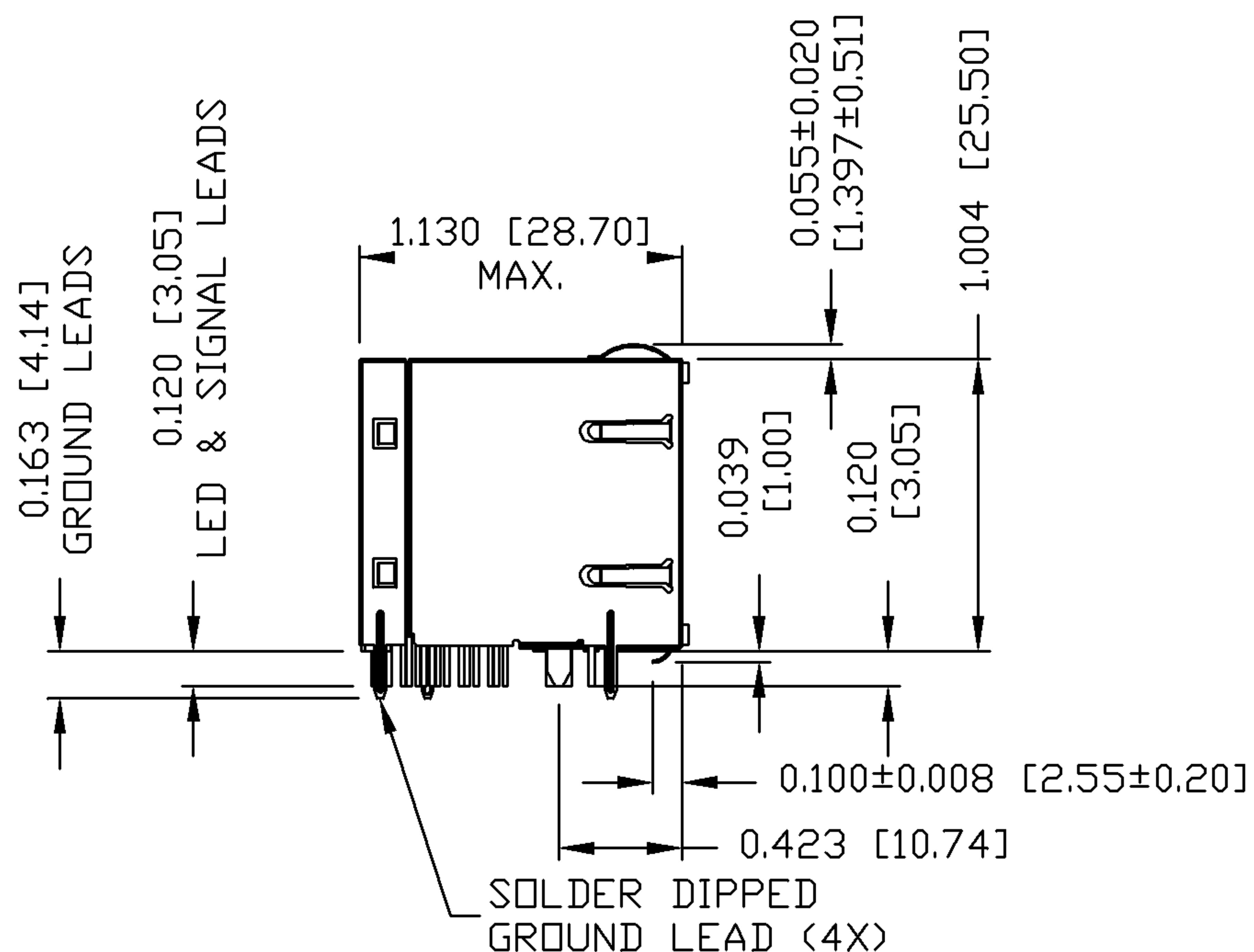


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE	
CHOW WANCHUNG	11-29-08	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2A1F-Y6	TOL. IN INCH	UNIT : INCH [mm]	REV. : PC
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
WEIDE LEE	11-29-08		0879-2A1F-Y6_PC.DWG	.XX		PAGE : 2
				.XXX		

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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)

[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.

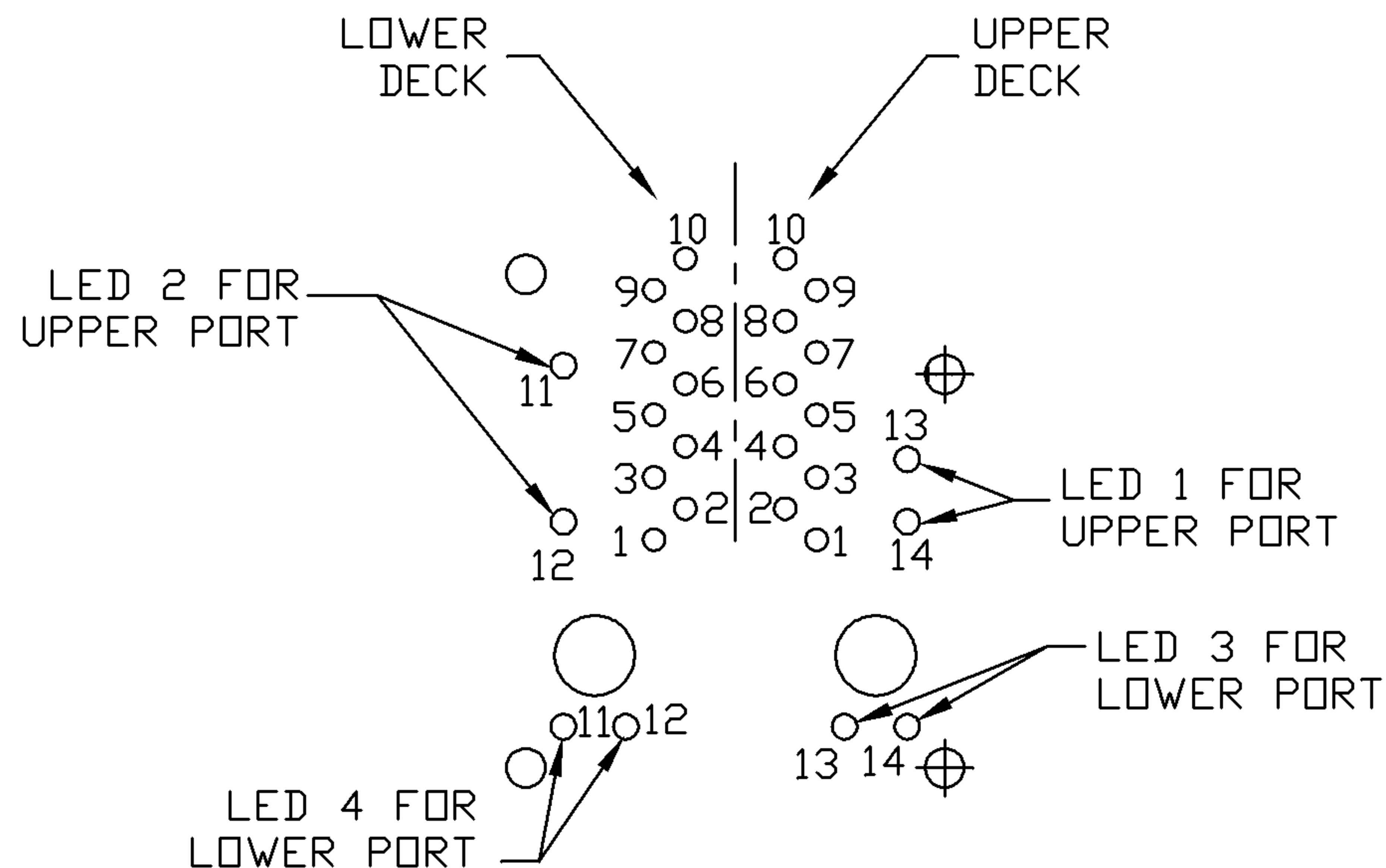
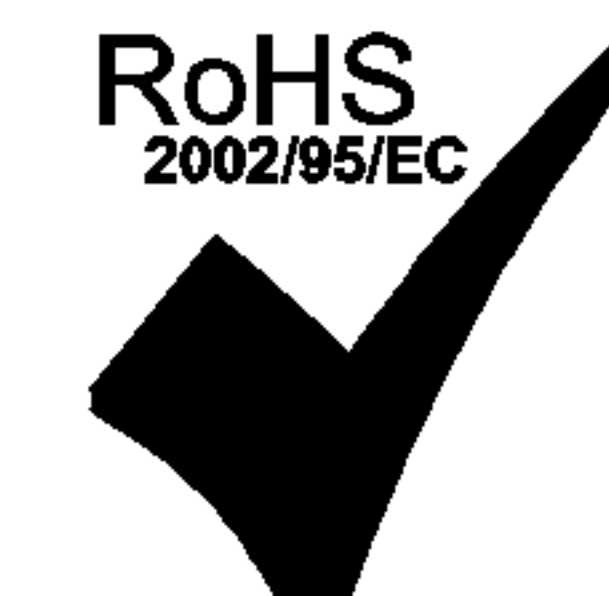
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

c  US 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		0879-2A1F-Y6	TOL. IN INCH		UNIT : INCH [mm] REV. : PC		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
LU XUEPING	11-29-08		0879-2A1F-Y6_PC.DWG	.XX		PAGE : 3		
			.XXX	±0.010				

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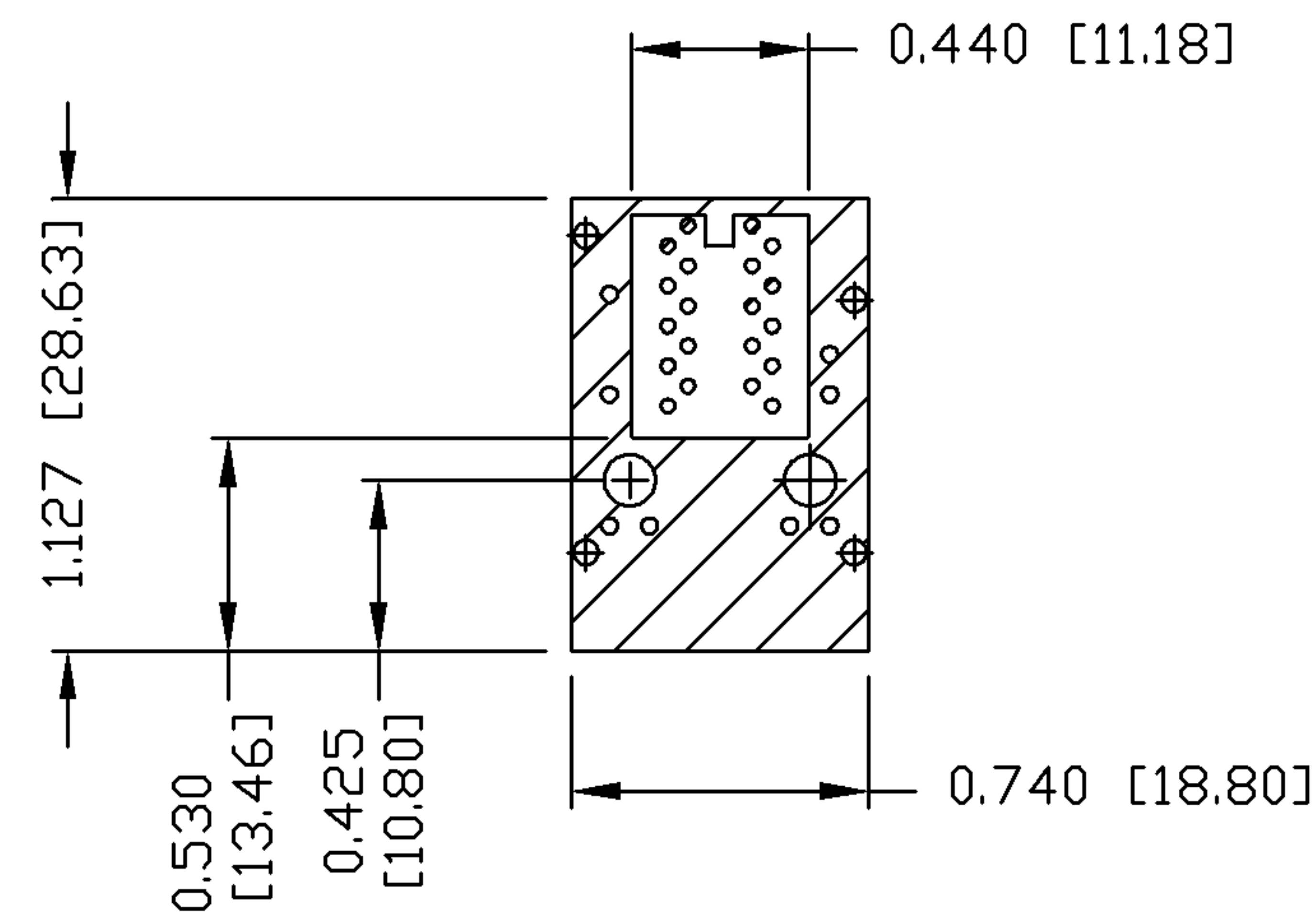
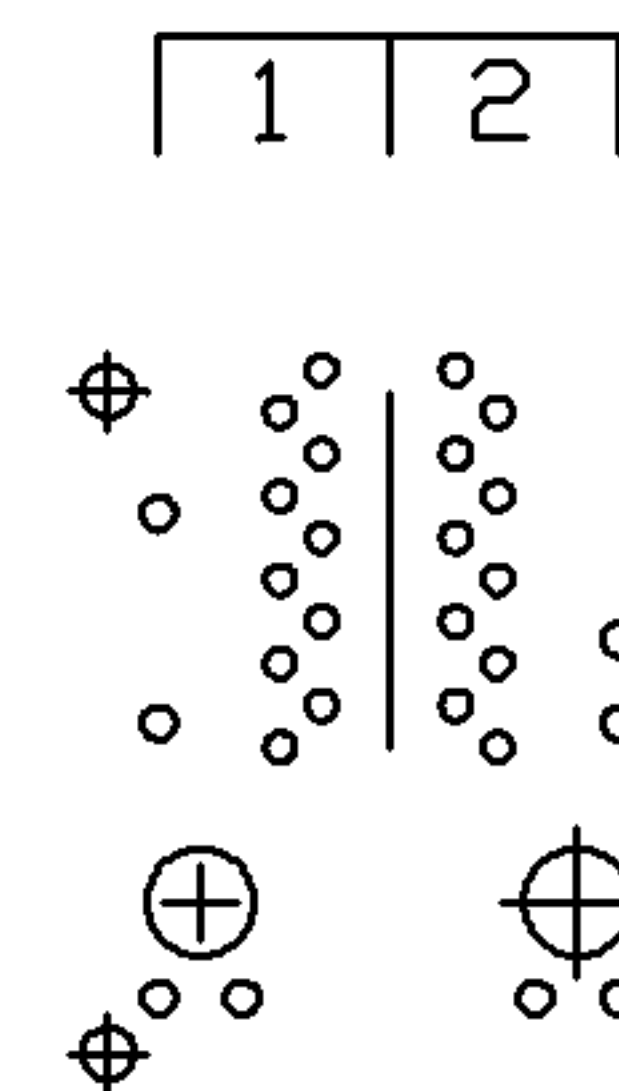
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PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

14	YELLOW LED -
13	YELLOW LED +
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-

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 DAVID CAO	DATE 11-29-08	TITLE  2X1 gigabit MagJack®  WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO. 0879-2A1F-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 0879-2A1F-Y6_PC.DWG	.X		UNIT : INCH [mm]	REV. : PC	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

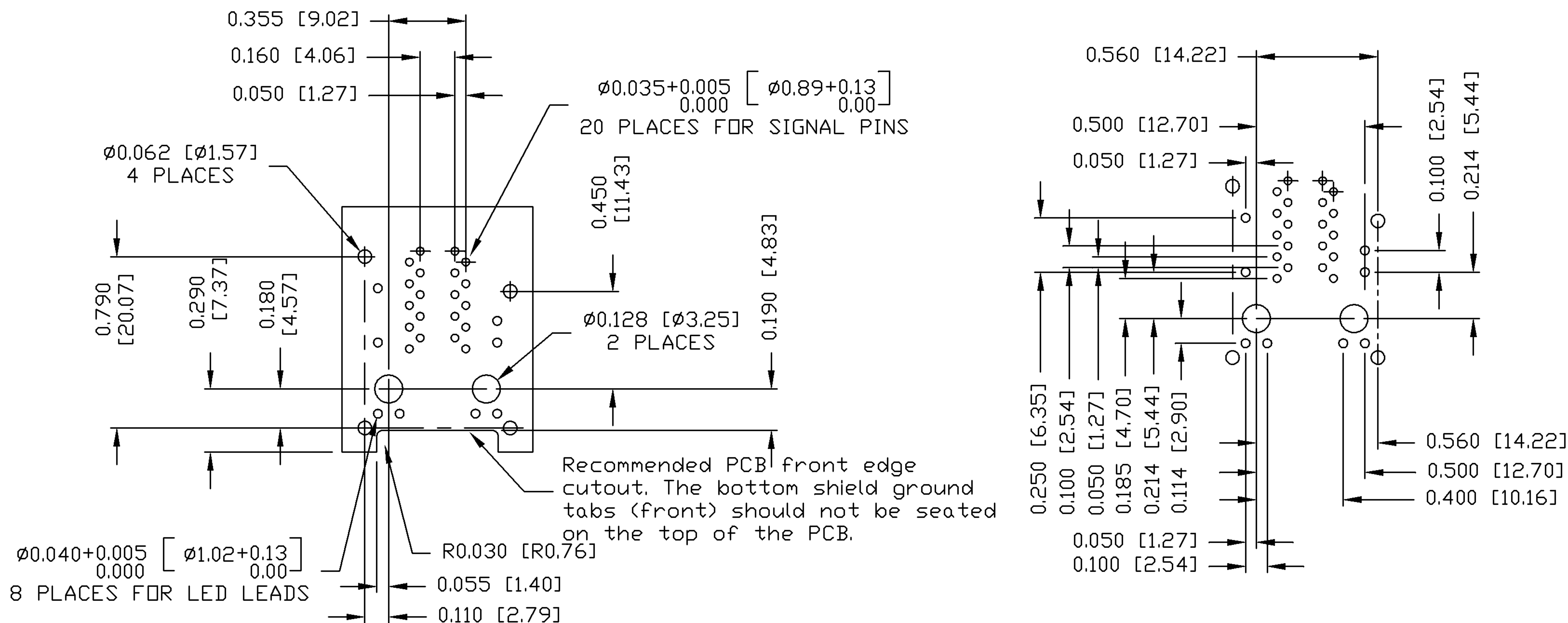






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SUGGESTED FOOTPRINT  
(COMPONENT SIDE VIEW)

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		0879-2A1F-Y6	TOL. IN INCH		UNIT : INCH [mm]			REV. : PC
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A			SIZE : A4
LU XUEPING	11-29-08		0879-2A1F-Y6_PC.DWG	.XX					PAGE : 5
				.XXX	±0.004				

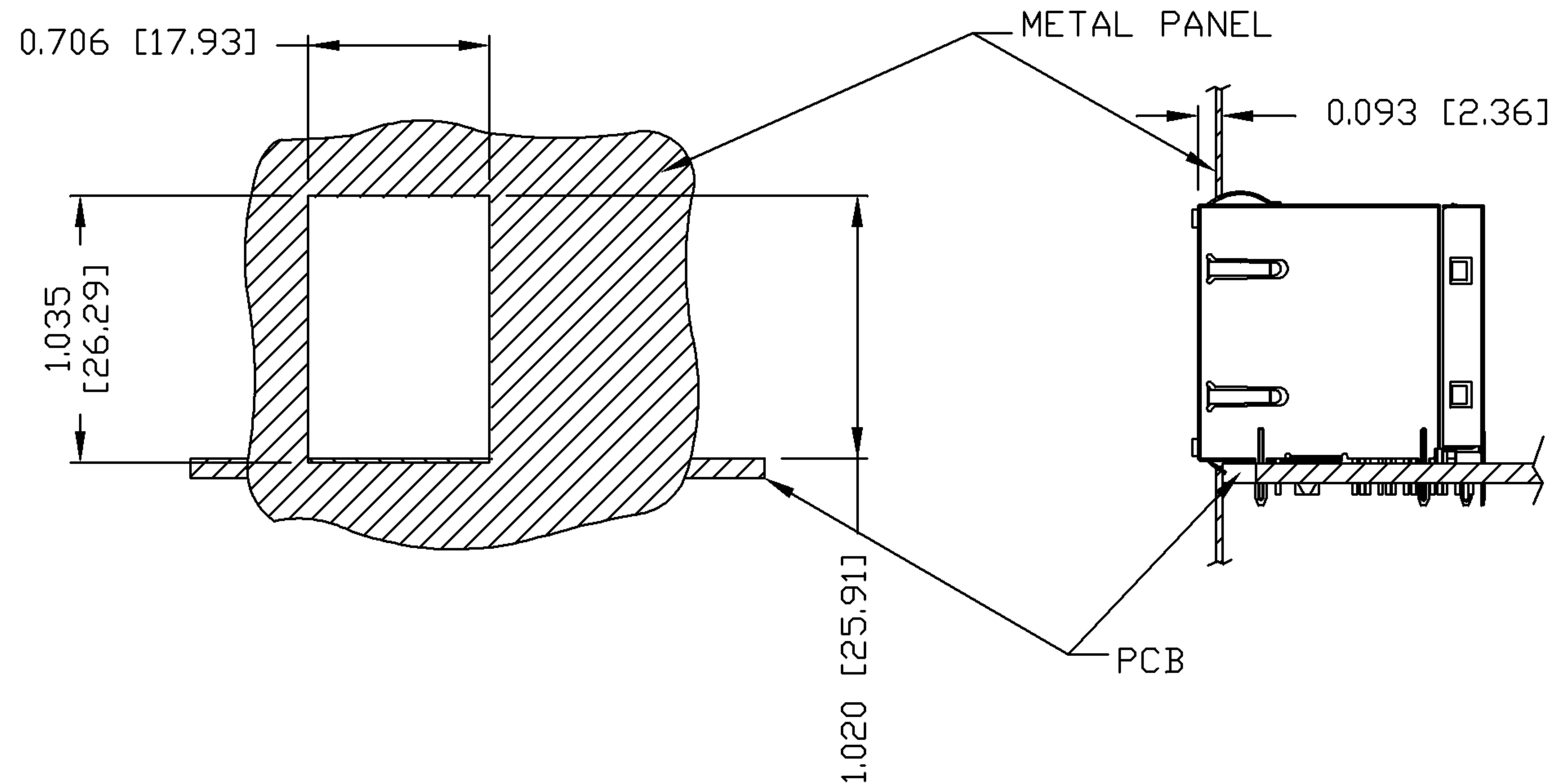
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2002/95/EC



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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE	
				TOL.	IN INCH	UNIT : INCH [mm]	REV. : PC
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DRAWN BY	DATE		FILE NAME	.XX			PAGE : 6
LU XUEPING	11-29-08		0879-2A1F-Y6_PC.DWG	.XXX	±0.004		

