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PRELIMINARY

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

ELECTRICAL CHARACTERISTICS @ 25°C

TURN RATIO

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

ΔCL @ 100kHz/100mVRMS

8mA DC BIAS

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

CM TO DM REJ

100kHz - 100MHz

HIPOT (Isolation Voltage):

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED 2 & 4

VF (FORWARD VOLTAGE)

IF=20mA GREEN 2.2V TYP.
 ORANGE 2.0V TYP.

LED (DOMINANT WAVELENGTH)


IF=20mA GREEN 565nm TYP.
 ORANGE 610nm TYP.

LED 1 & 3

VF (FORWARD VOLTAGE)

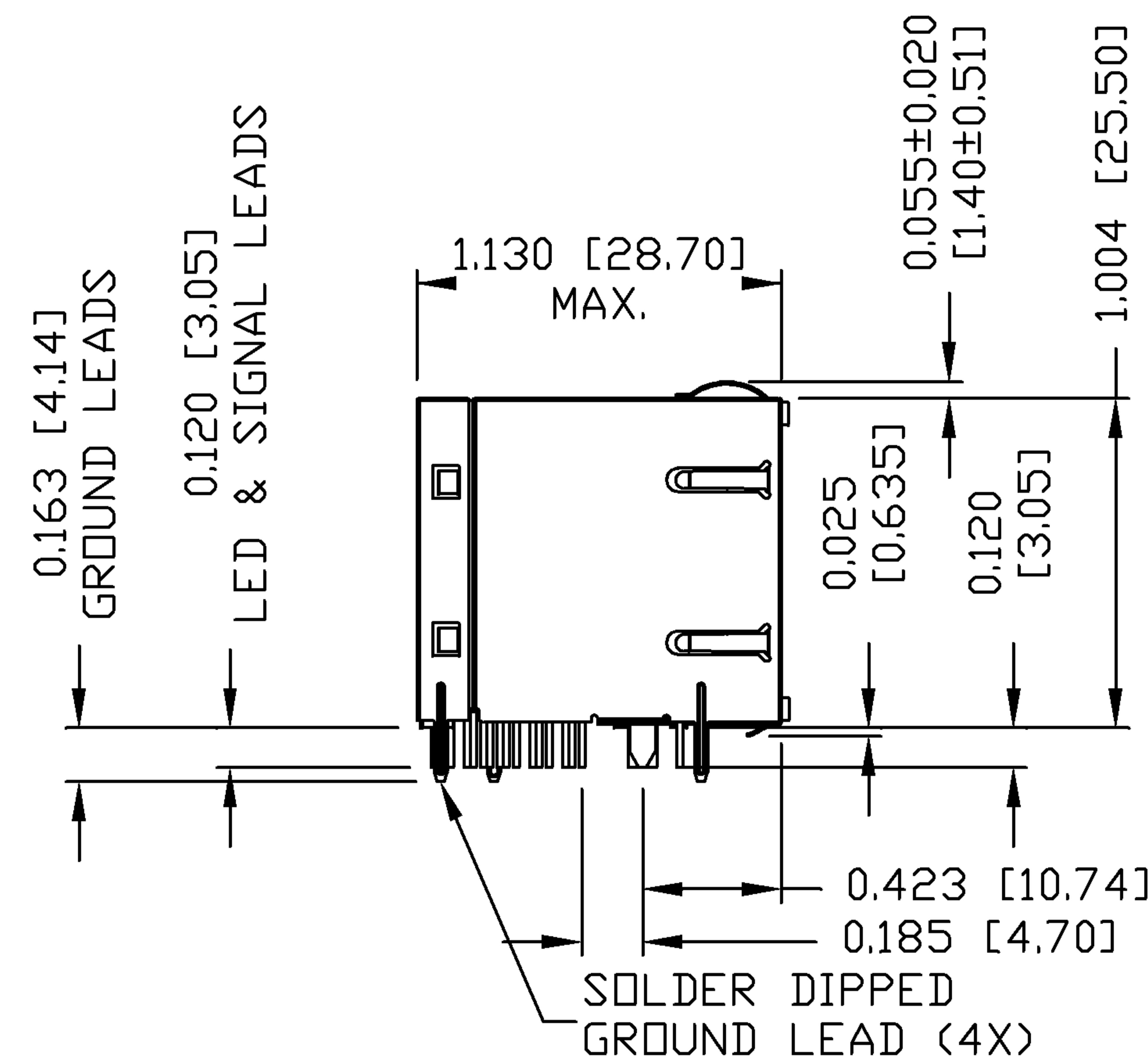
IF=20mA YELLOW 2.1V TYP.
 IF=20mA YELLOW 590nm TYP.

λD (DOMINANT WAVELENGTH)



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		FILE NAME	.X	.XX	UNIT : INCH [mm]	REV. : PB
CHOW WANCHUNG	11-29-08	2X1 gigabit MagJack®	0879-2X1R-Y6				
WEIDE LEE	11-29-08	WITH UPPER AND LOWER LED (8 Cores)	0879-2X1R-Y6_PB.DWG	.XX	.XXX	SCALE : N/A	SIZE : A4
							PAGE : 2

bel
 COMPONENTS FOR A
 CONNECTED PLANET

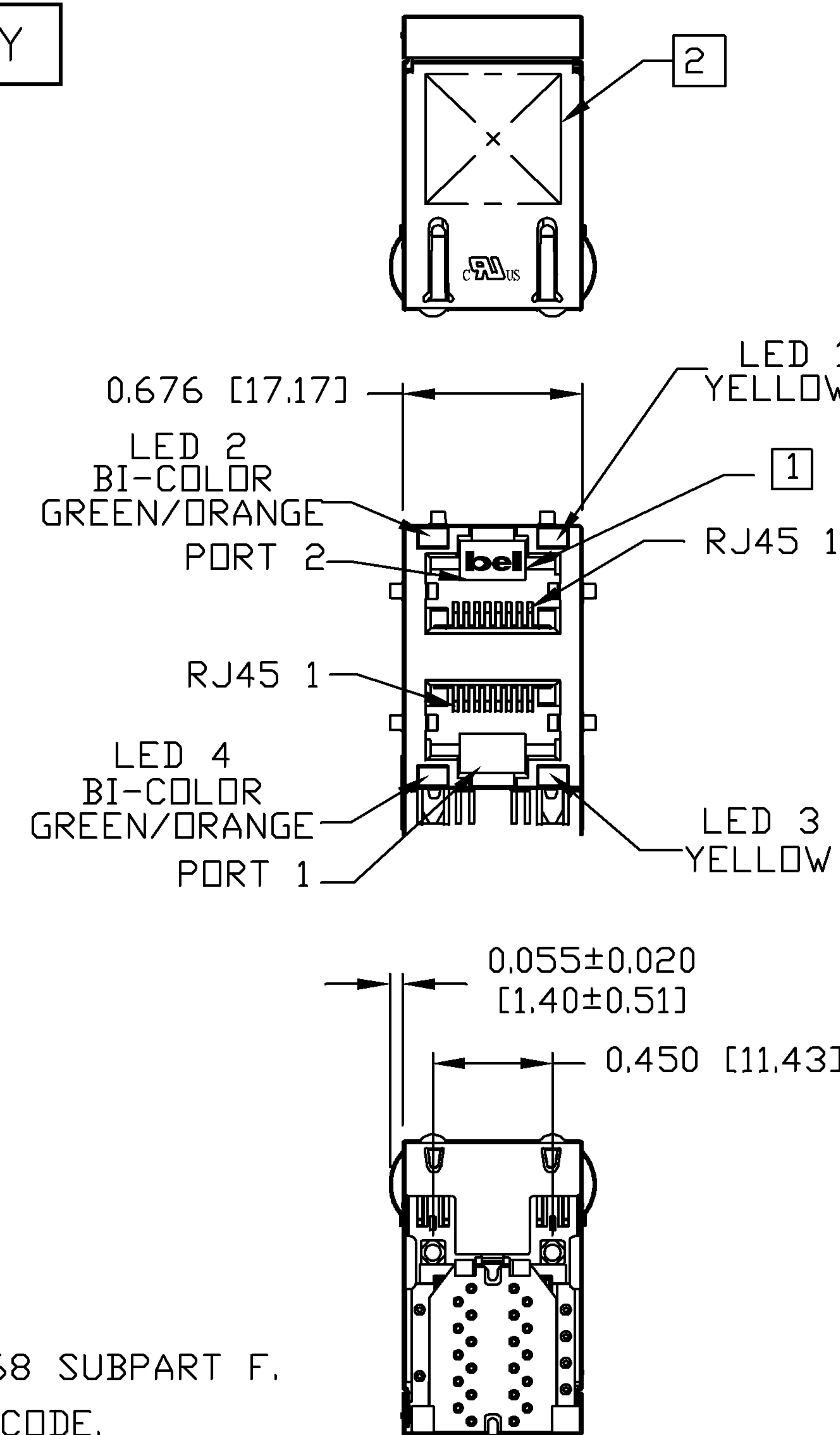


NOTES:

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.

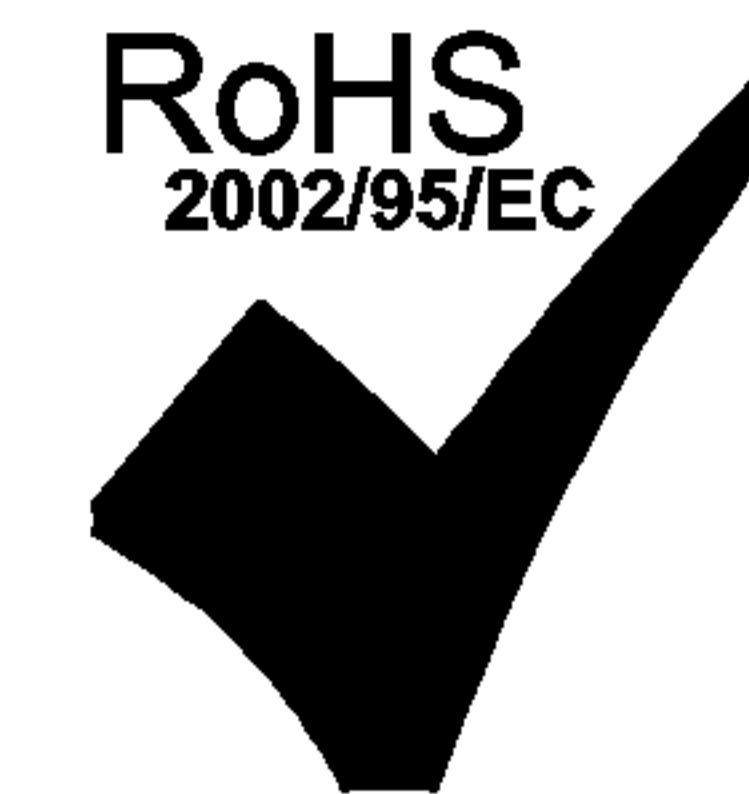
 UL RECOGNIZED - FILE #E196366 AND E169987.



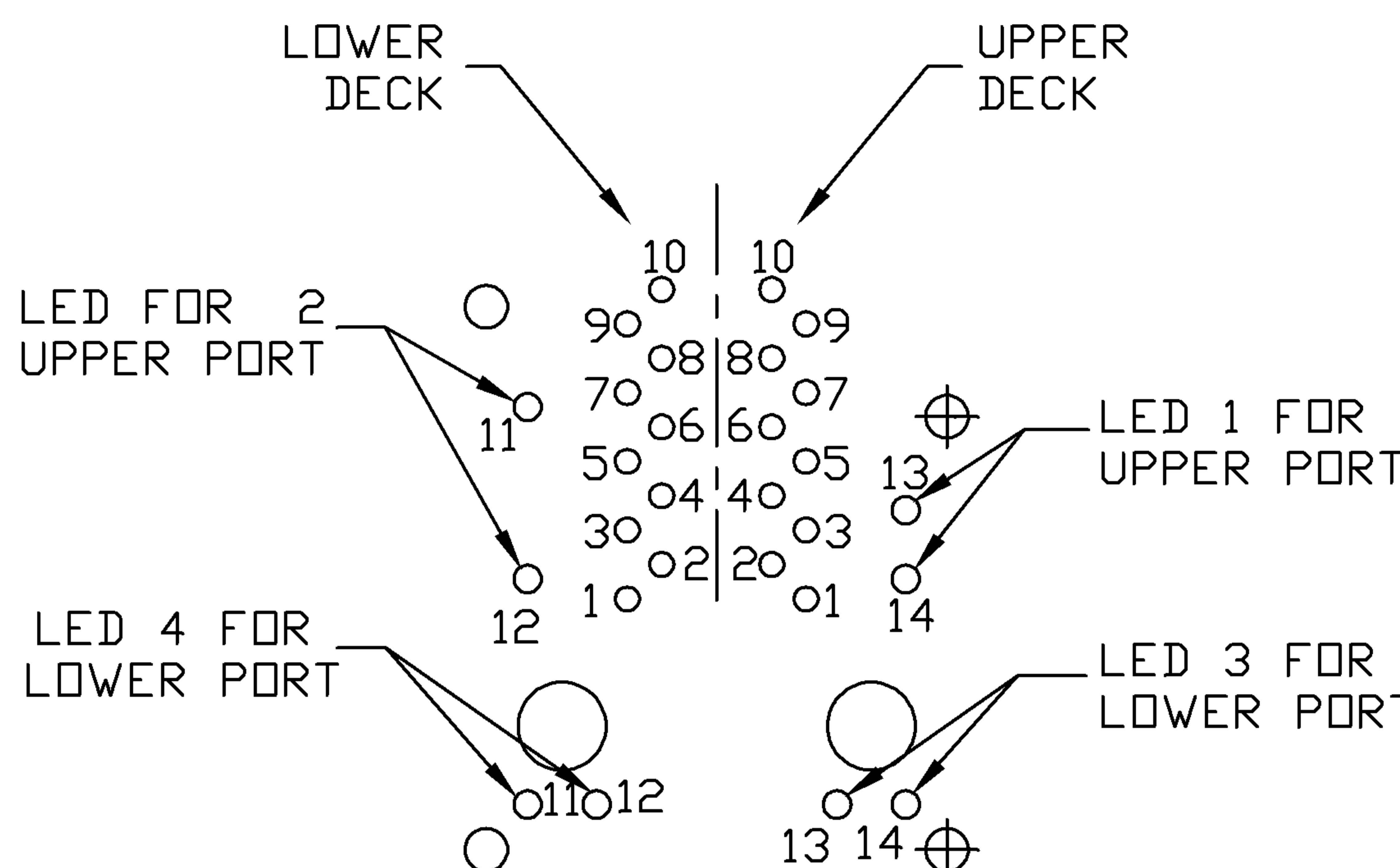
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE				UNIT : INCH [mm]	REV. : PB
DAVID CAO	11-29-08	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2X1R-Y6	.X		
LU XUEPING	11-29-08		FILE NAME 0879-2X1R-Y6_PB.DWG	.XX	SCALE : N/A	SIZE : A4

bel
 COMPONENTS FOR A
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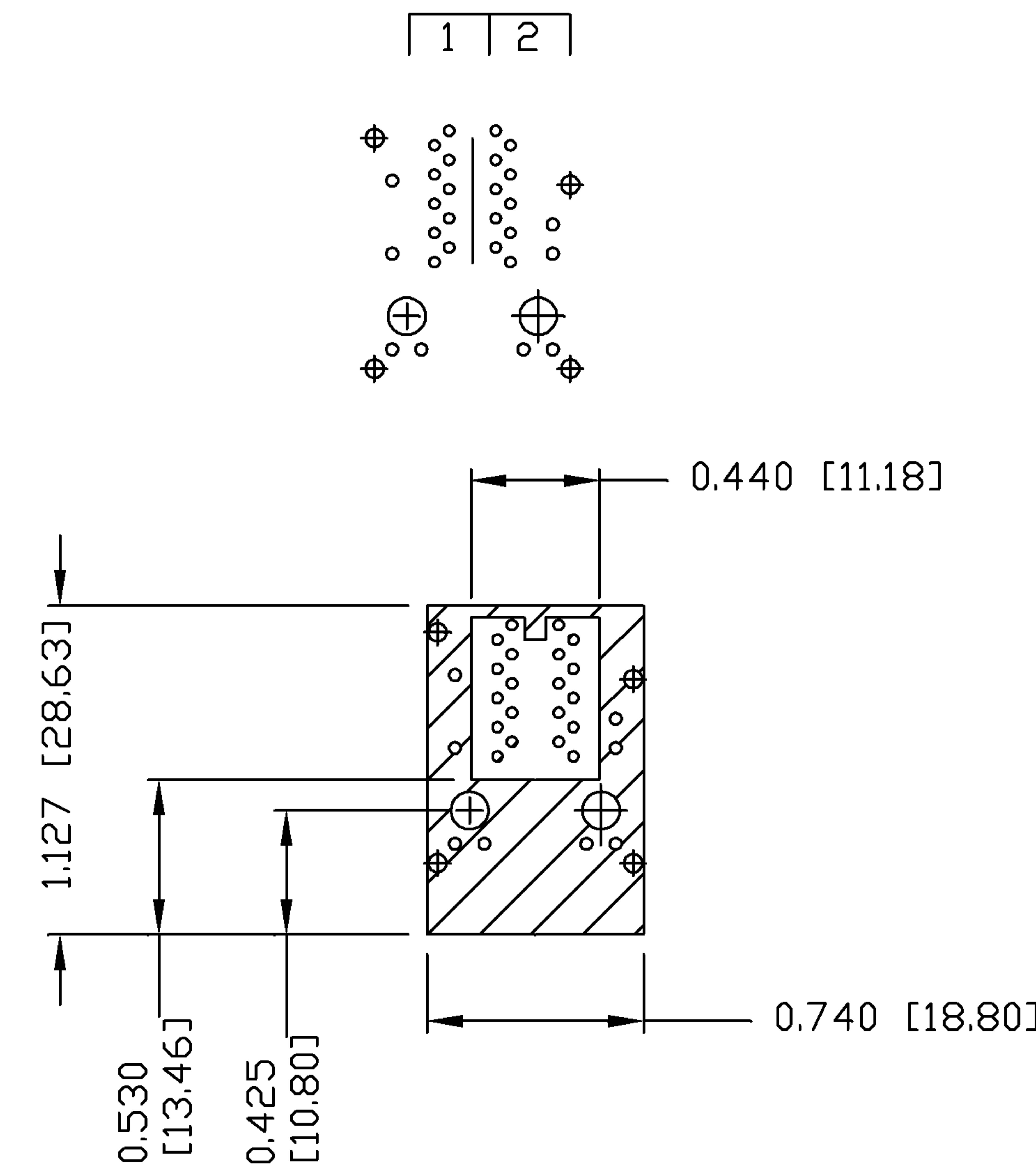
PRELIMINARY



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

14	YELLOW (-)
13	YELLOW (+)
12	ORANGE(+) / GREEN(-)
11	ORANGE(-) / GREEN(+)
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.

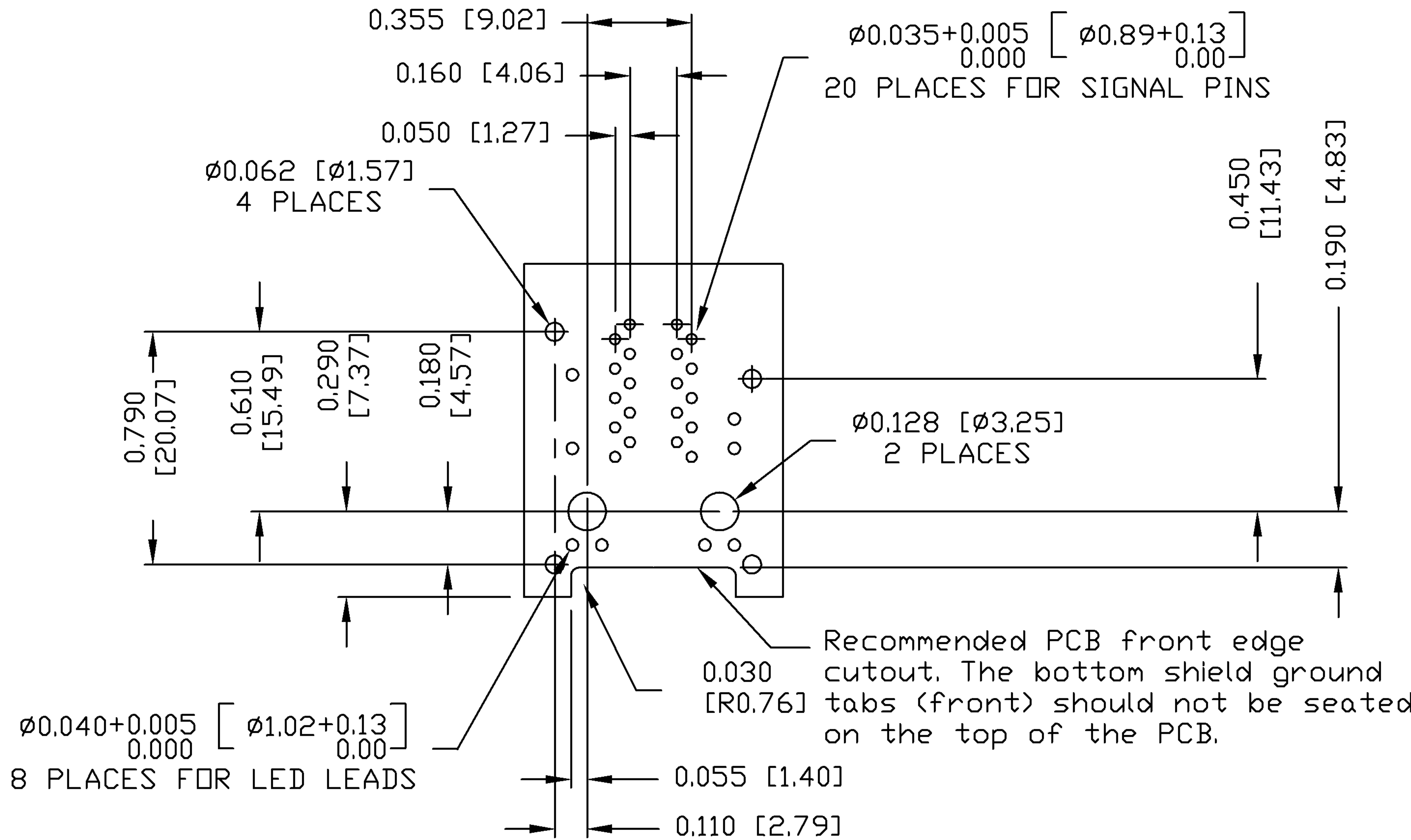
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE			.X	.XX			
DAVID CAO	11-29-08	2X1 gigabit MagJack®	0879-2X1R-Y6	.XX				
LU XUEPING	11-29-08	WITH UPPER AND LOWER LED (8 Cores)	0879-2X1R-Y6_PB.DWG	.XXX	±0.004			

bel
 COMPONENTS FOR A
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PRELIMINARY

The logo consists of the text "RoHS" in a large, bold, sans-serif font, with "2002/95/EC" in a slightly smaller bold font below it. A large, stylized checkmark is positioned to the right of the text.



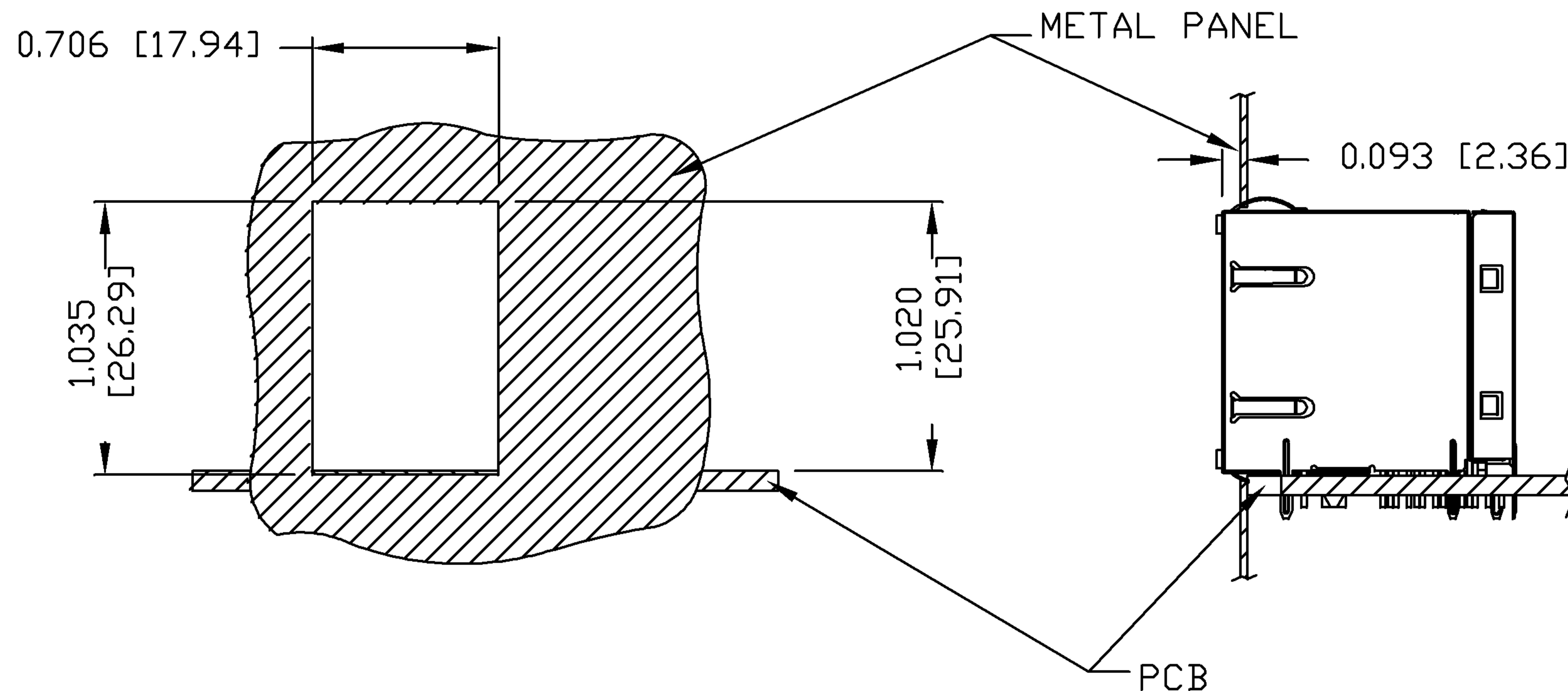
SUGGESTED FOOTPRINT

COMPONENT SIDE VIEW

ORIGINATED BY	DATE	TITLE		PART NO. / DRAWING NO.
DAVID CAD	11-29-08	STANDARD DIM.		[] METRIC DIM. AS REFERENCE
		TOL. IN INCH		2X1 gigabit MagJack®
		UNIT : INCH [mm]	REV. : PB	bel
DRAWN BY	DATE	WITH UPPER AND LOWER LED		FILE NAME
LU XUEPING	11-29-08	N/A		0879-2X1R-Y6_PB.DWG
		SCALE : N/A	SIZE : A4	COMPONENT FOR A CONNECTED PLANET
		XX	±0.004	XX
		XXX	PAGE : 5	XXX



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. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE				UNIT : INCH [mm]	REV. : PB
DAVID CAO	11-29-08	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	0879-2X1R-Y6	.X		
LU XUEPING	11-29-08		FILE NAME 0879-2X1R-Y6_PB.DWG	.XX	SCALE : N/A	SIZE : A4
				.XXX	±0.004	PAGE : 6