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RoHS
2002/95/EC



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

PRELIMINARY

SCHEMATIC

RJ45

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

QCL @ 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

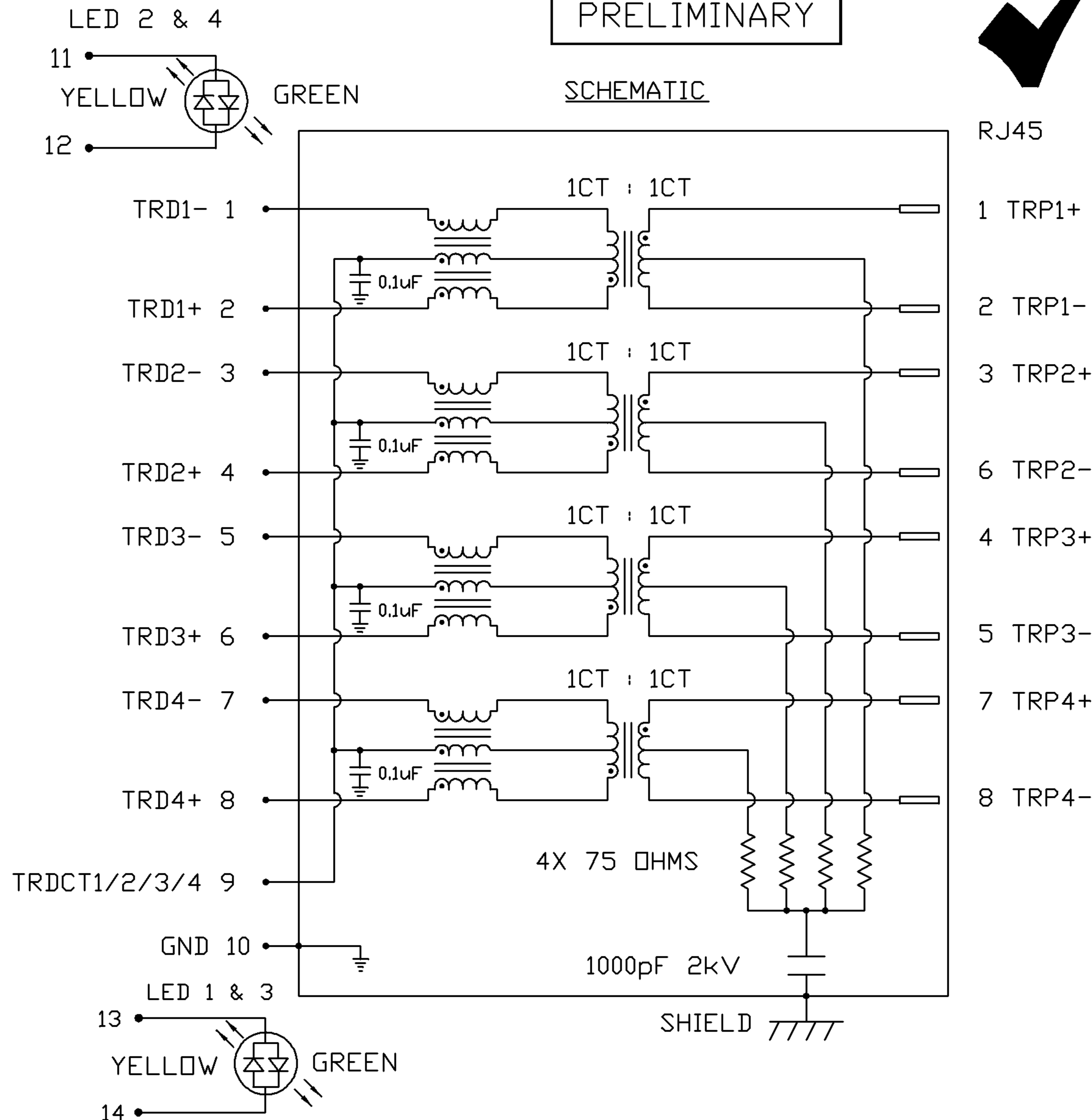
HIPOT (Isolation Voltage):

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.



ORIGINATED BY	DATE
CHOW WANGCHUNG	11-27-08
DRAWN BY	DATE
LEE WEIDE	11-27-08

TITLE
2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)

PART NO. / DRAWING NO.
0879-2C1C-54
FILE NAME
0879-2C1C-54_PA.DWG

STANDARD DIM. TOL. IN INCH
.X
.XX
.XXX

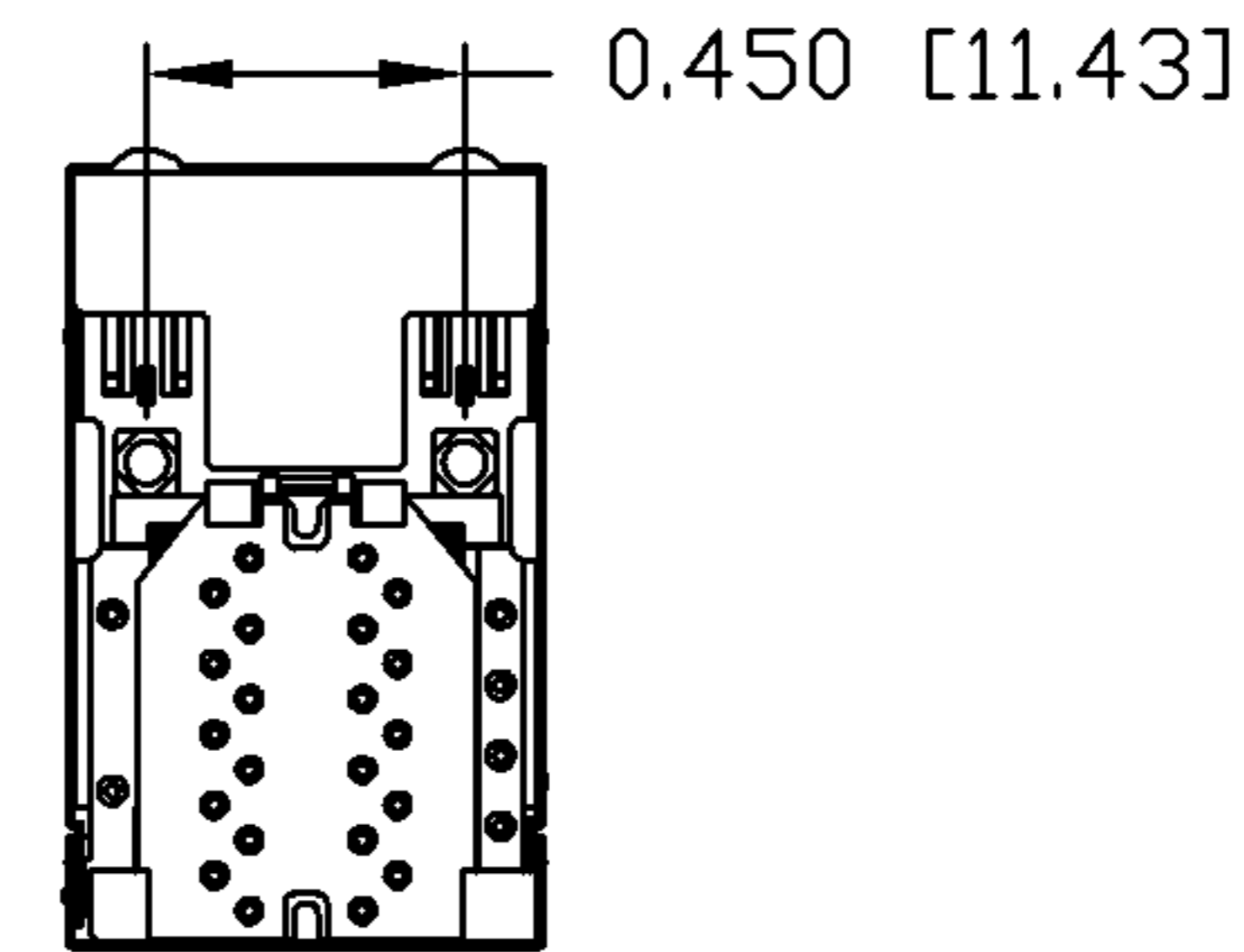
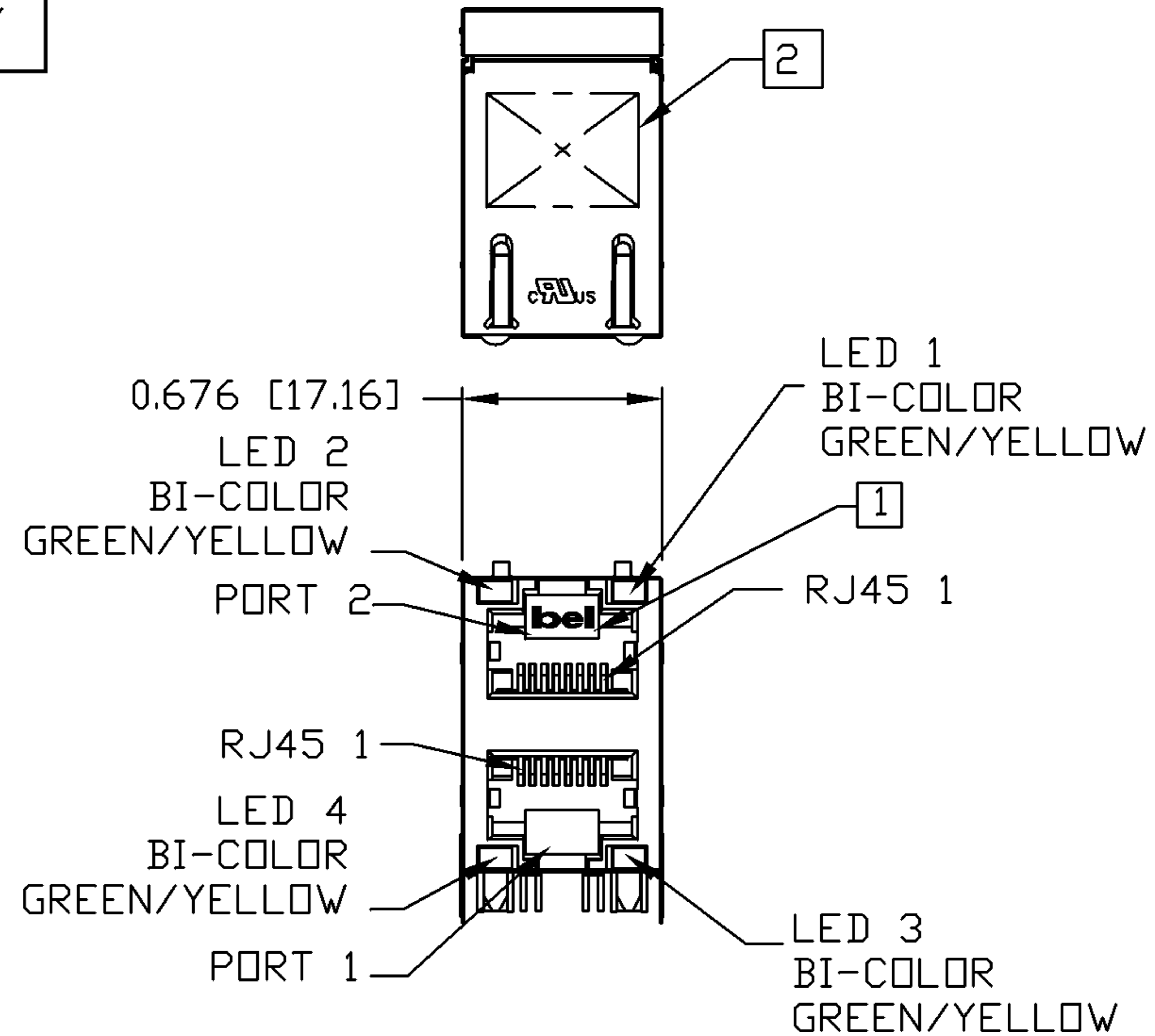
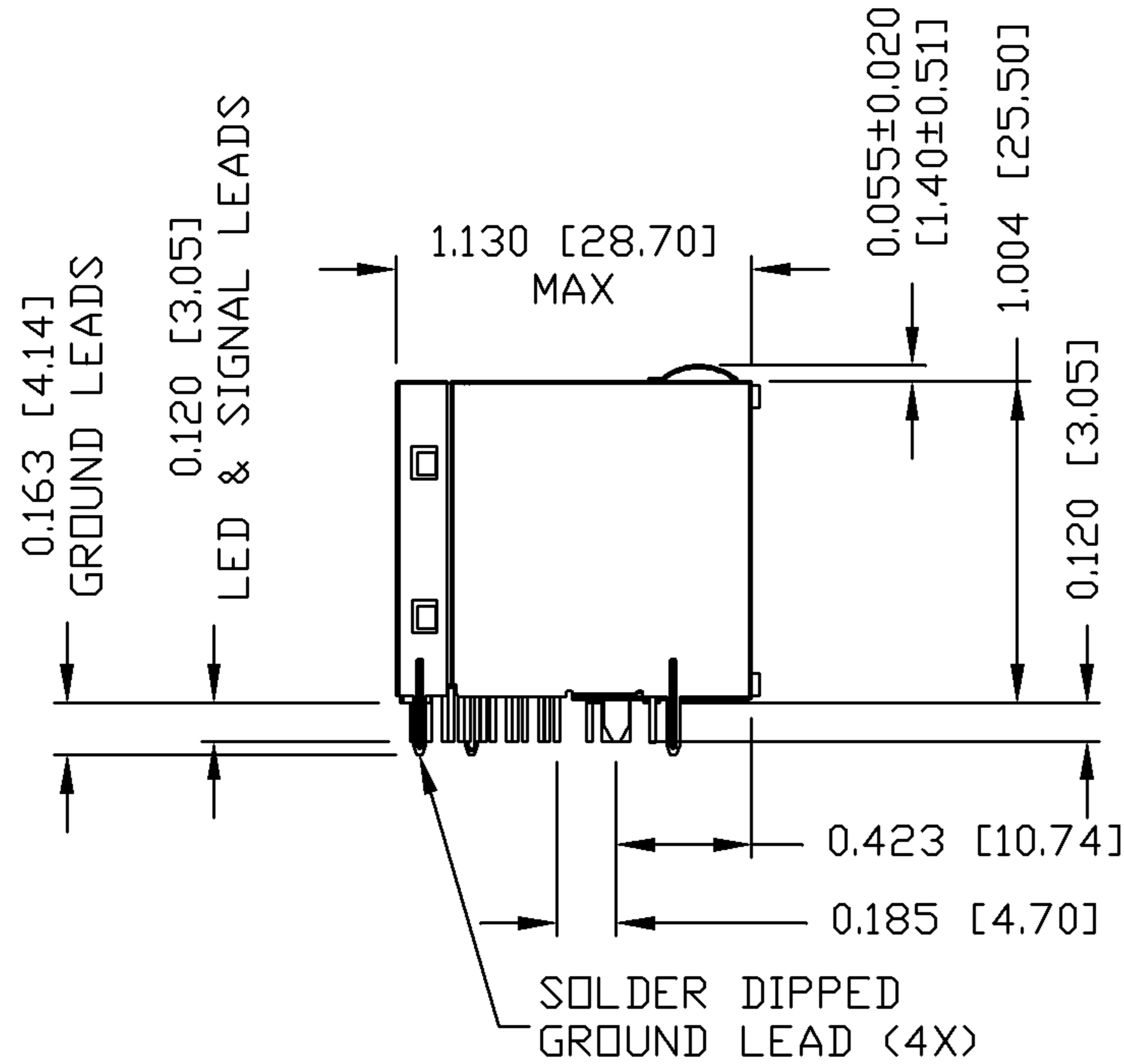
[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : PA
SIZE : A4
PAGE : 2



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2002/95/EC



NOTES:

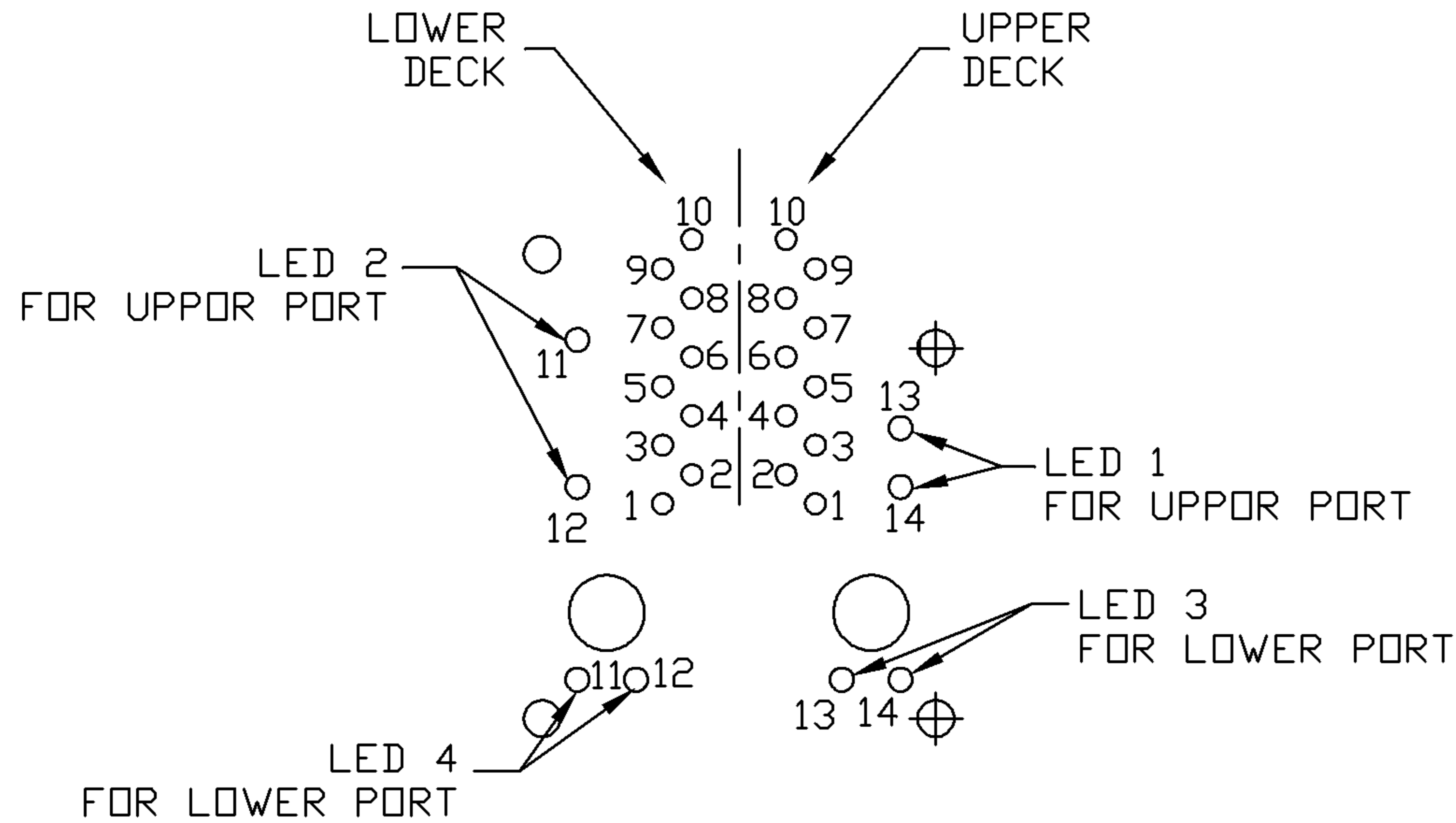
PLASTIC HOUSING: THERMOPLASTIC PBT
 FLAMMABILITY RATING UL 94V-0
 CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
 OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
 METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
 (ALL GROUND LEADS ARE SOLDER DIPPED)

- 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 usUL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY LIU QIN	DATE 11-27-08	TITLE 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO. 0879-2C1C-54	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET	
DRAWN BY XIAN JIAXIN	DATE 11-27-08		FILE NAME 0879-2C1C-54_PA.DWG	.X	UNIT : INCH [mm]		REV. : PA
				.XX	SCALE : N/A		SIZE : A4
				.XXX	±0.010	PAGE : 3	

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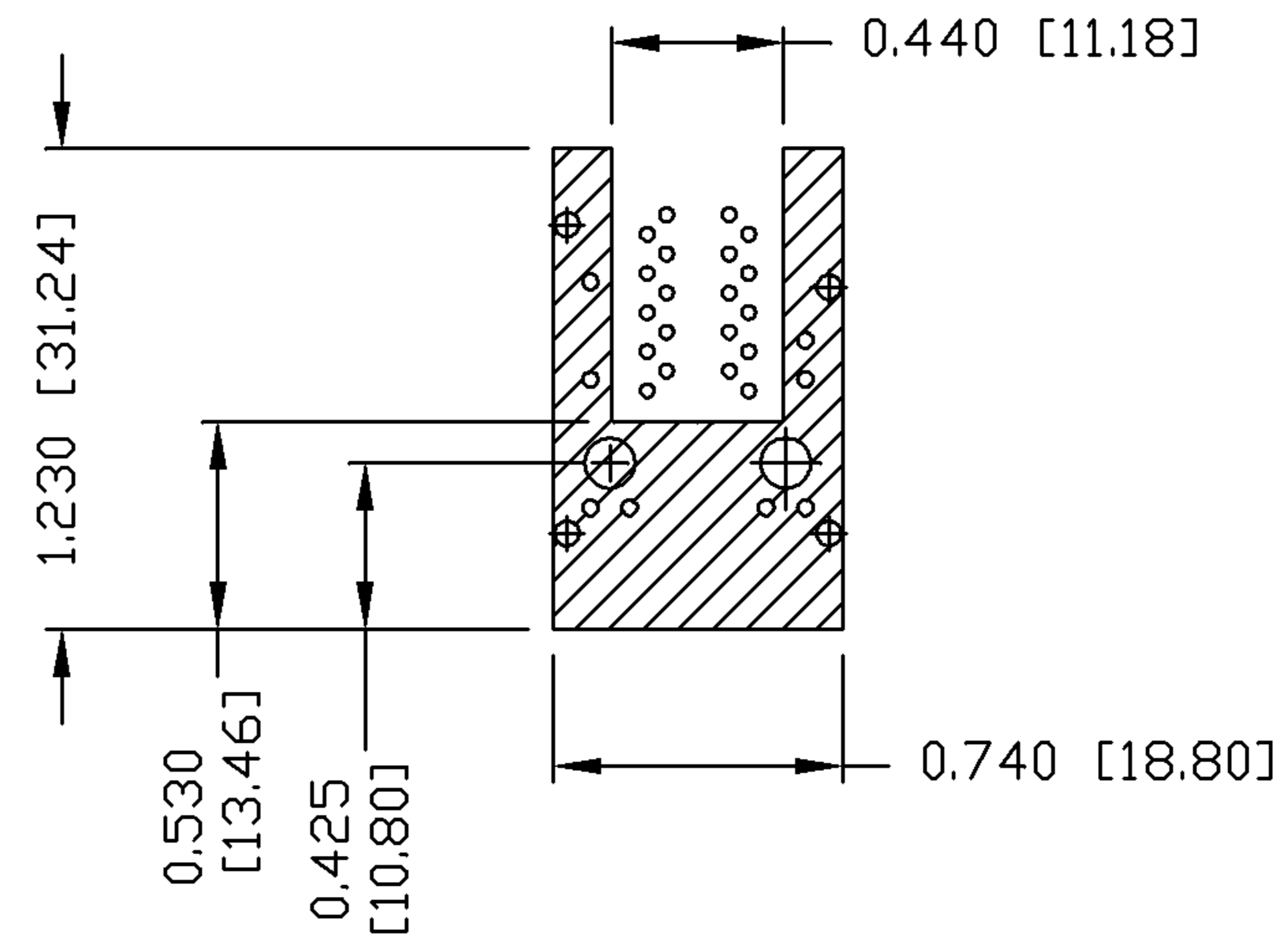
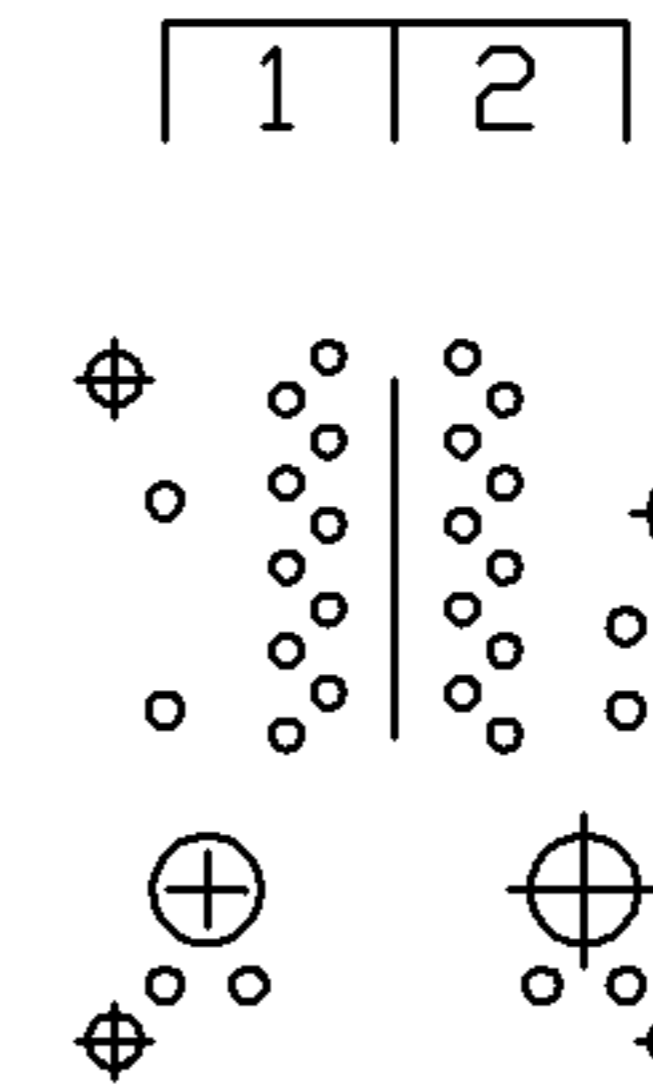
PRELIMINARY



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)

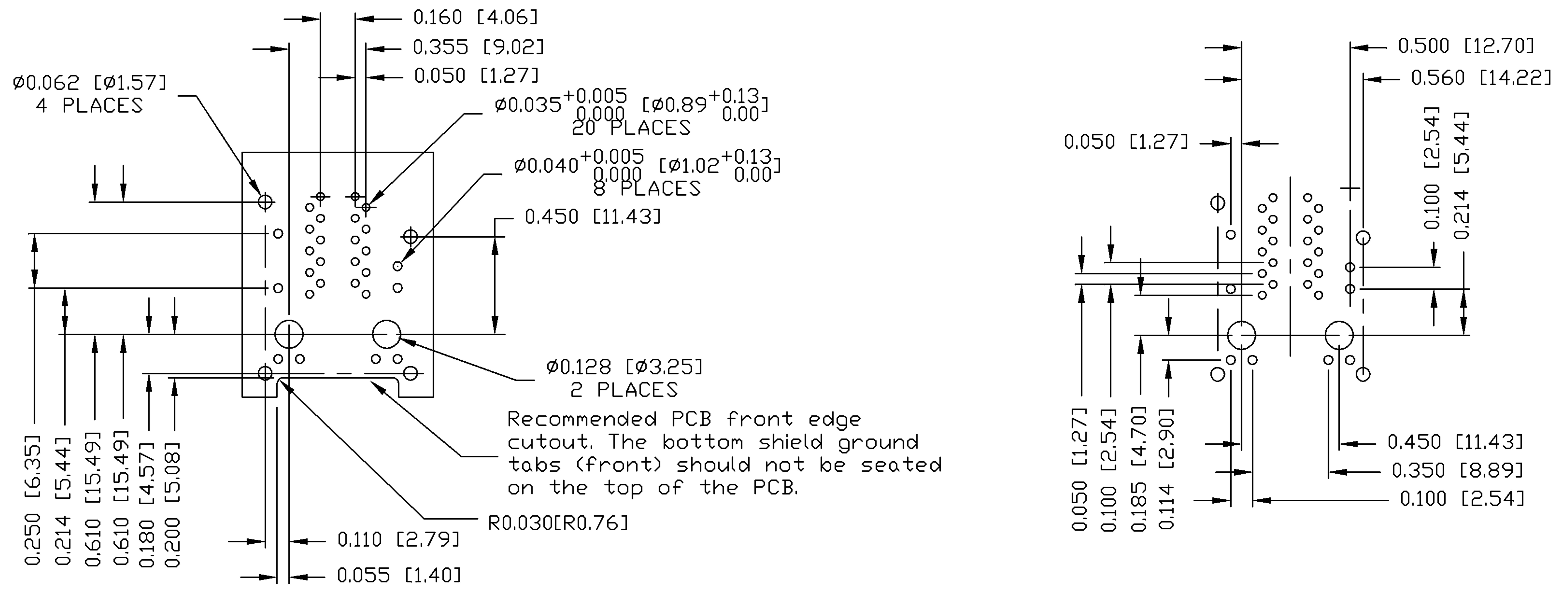


THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

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DRAWN BY XIAN JIAXIN	DATE 11-27-08		FILE NAME 0879-2C1C-54_PA.DWG	.X	UNIT : INCH [mm]		REV. : PA
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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

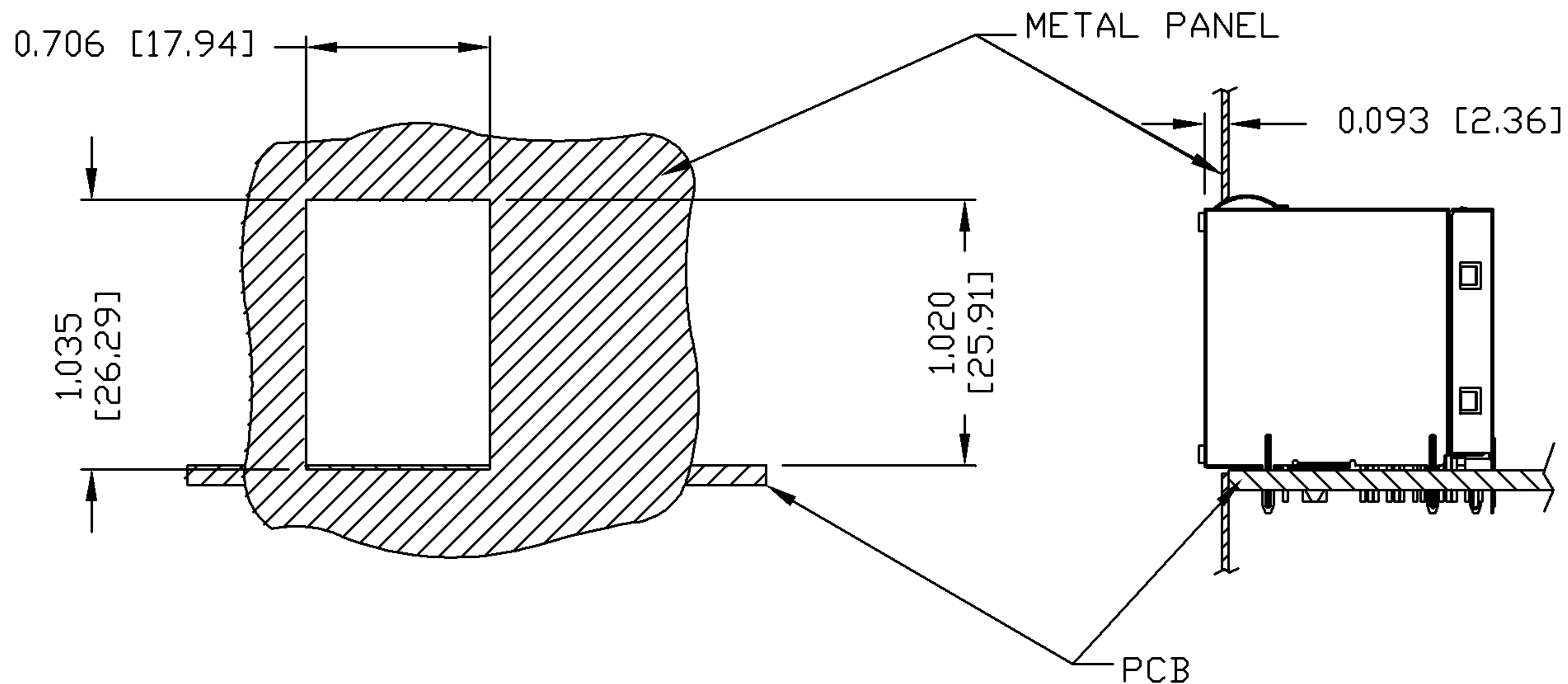
Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

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DRAWN BY XIAN JIAXIN	DATE 11-27-08	FILE NAME 0879-2C1C-54_PA.DWG	.X	/	UNIT : INCH [mm]		REV. : PA
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			.XXX	±0.004			PAGE : 5

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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 2X1 glgabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
LIU QIN	11-27-08		0879-2C1C-54	TOL. IN INCH	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
XIAN JIAXIN	11-27-08		0879-2C1C-54_PA.DWG	.XX	⊕ - - - ⊕	PAGE : 6
				.XXX		

