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LED1 POLARITY			LED2 POLARITY		
PIN 21	PIN 22	COLOR	PIN 19	PIN 20	COLOR
+	-	GREEN	+	-	GREEN

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RoHS
2002/95/EC



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
8mA DC BIAS

350μH MIN.

INS. LOSS

1MHz TO 100MHz

-1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz

-18 dB

40MHz-100MHz

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

CROSS TALK

100kHz - 100MHz

-33+20LOG(f/100MHz)dB MIN

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.

LED 1 & LED 2

V_F (FORWARD VOLTAGE)

I_F=20mA GREEN 2.2V TYP.

λ_D (DOMINANT WAVELENGTH)

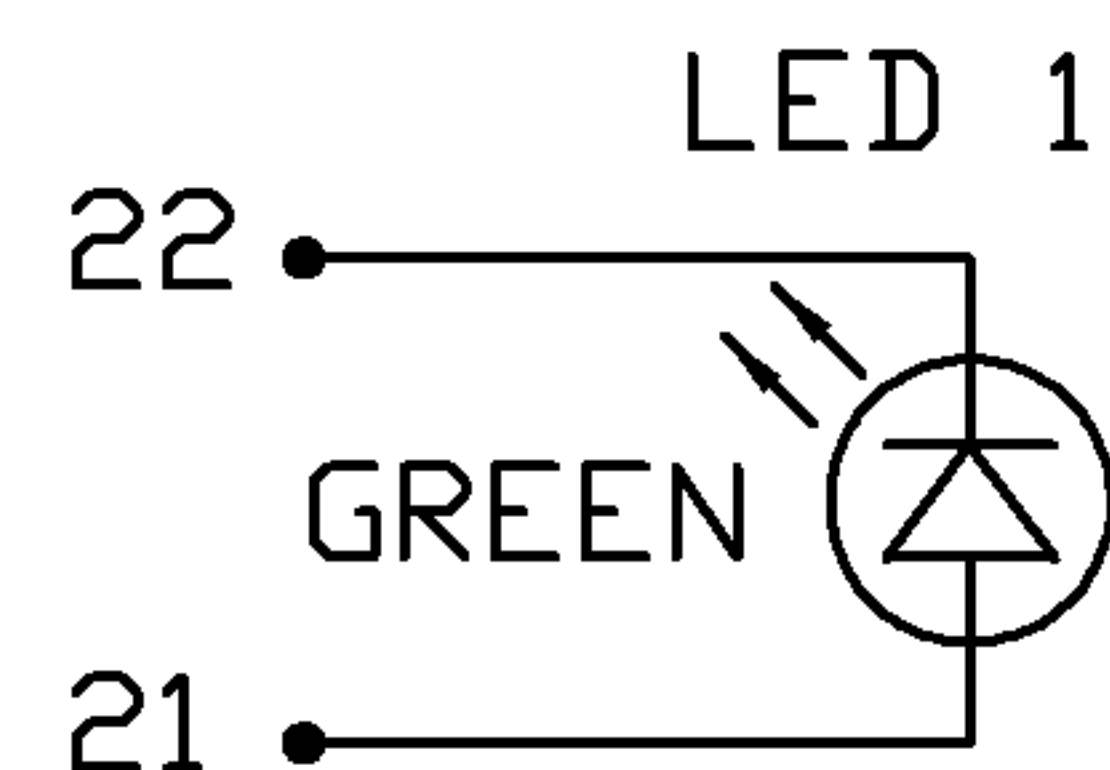
I_F=20mA GREEN 565nm TYP.

USB ELECTRICAL:

INSULATION RESISTANCE: 1000 MEGA Ω (MIN)

CONTACT RESISTANCE: 25 MILLI Ω (MAX)

DIELECTRIC WITHSTANDING: 750 VAC



PIN

TRD1+ 10

TRD1- 11

TRD2+ 12

TRD2- 13

TRD3+ 14

TRD3- 15

TRD4+ 16

TRD4- 17

COMMON CT 9

GND 18

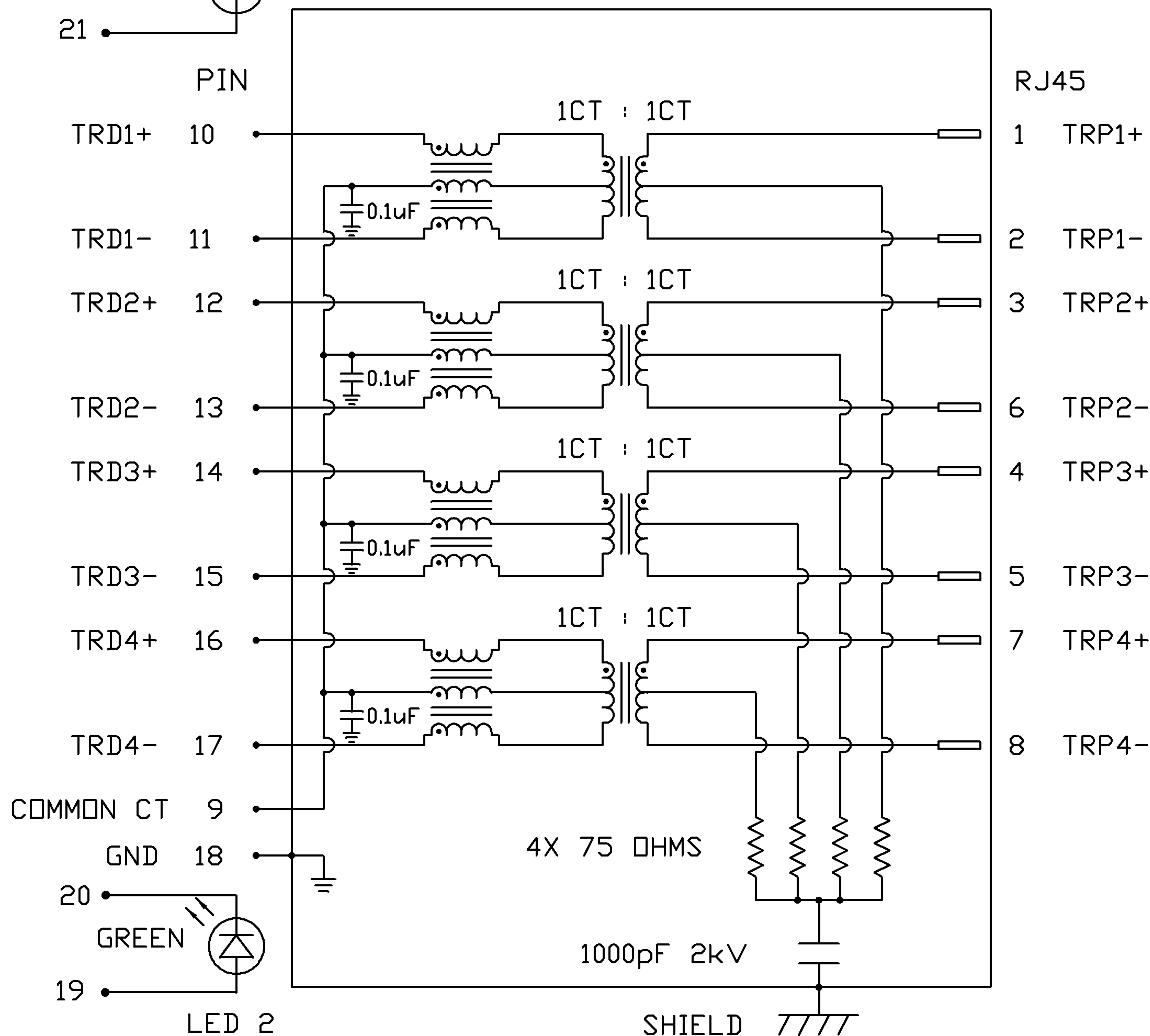
20

GREEN

19

LED 2

SCHEMATIC



ORIGINATED BY DATE
CHOW WANCHUNG 10-24-08

DRAWN BY DATE
LI YONGFENG 10-24-08

TITLE gigabit MagJack® Combo
(staggered pins)
50u INCH HARD GOLD PLATING
C893-1GX1-62A

PART NO. / DRAWING NO.
C893-1GX162A

FILE NAME
C893-1GX162A_PB.DWG

STANDARD DIM.
TOL. IN INCH

.X

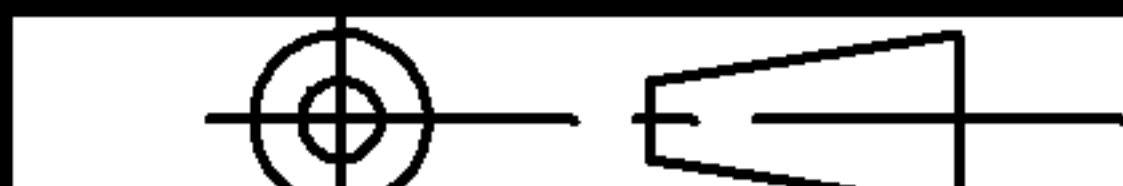
.XX

.XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

SCALE : N/A



REV. : PB

SIZE : A4

PAGE : 2

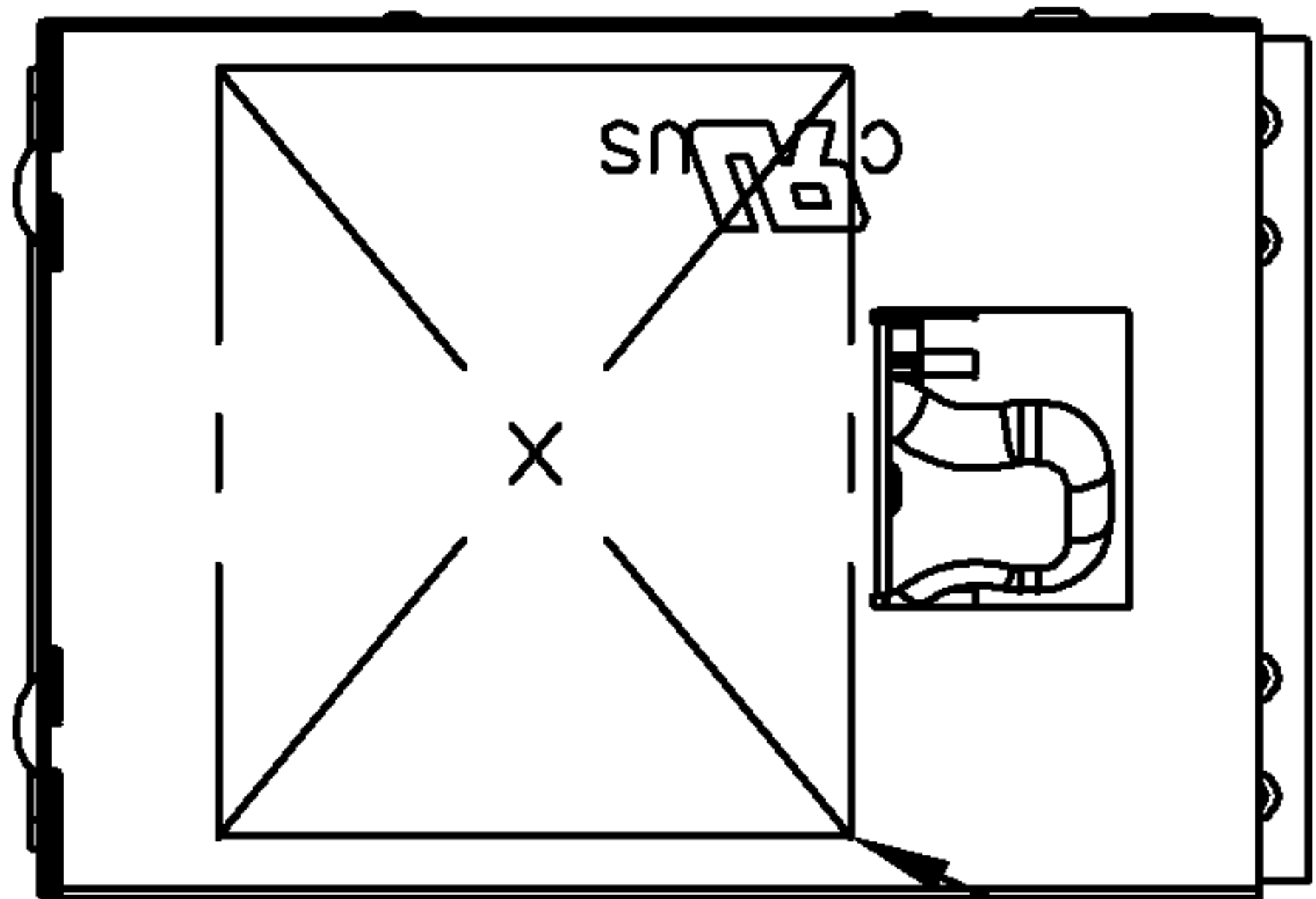
bel
COMPONENTS FOR A
CONNECTED
PLANET

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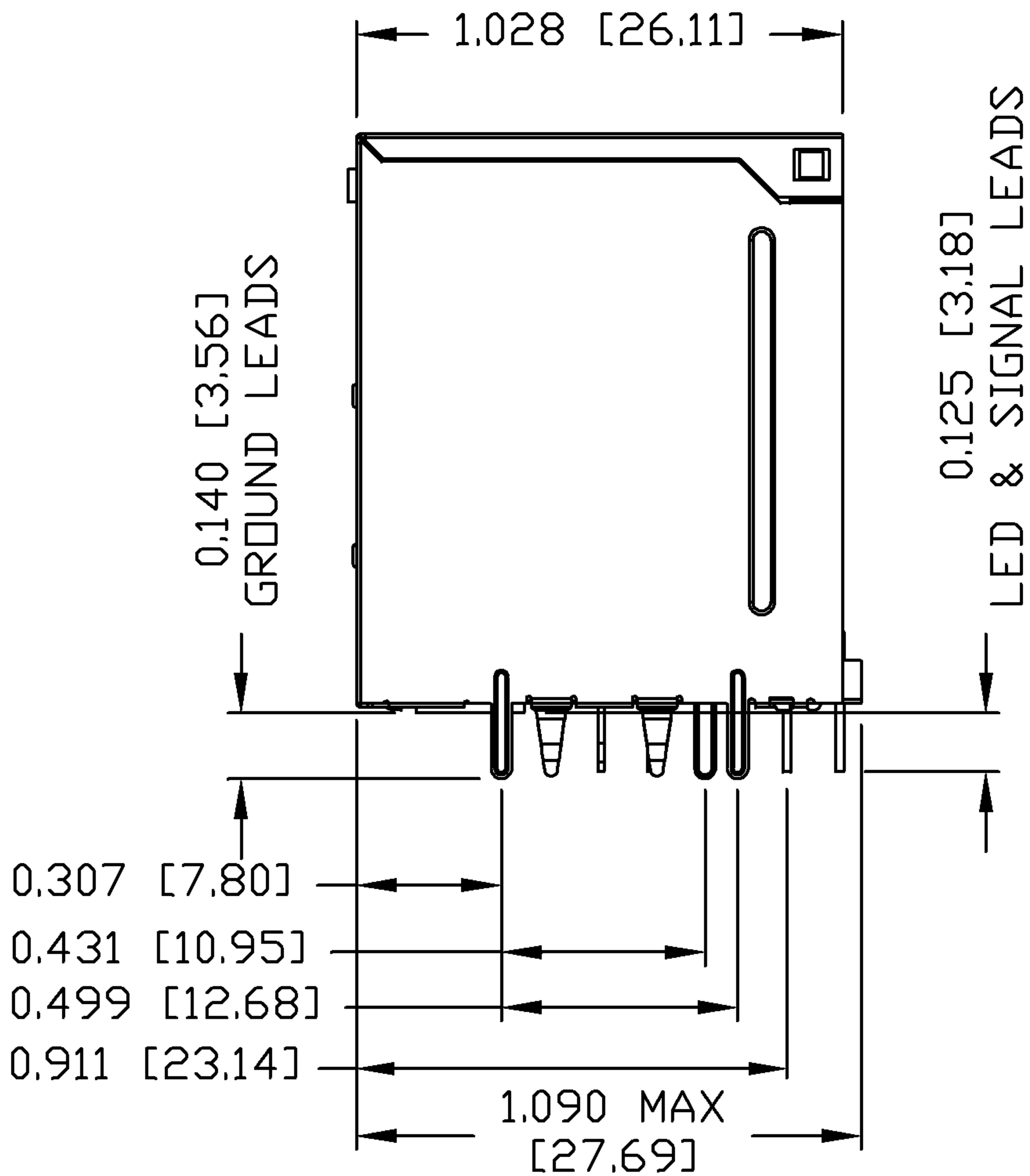
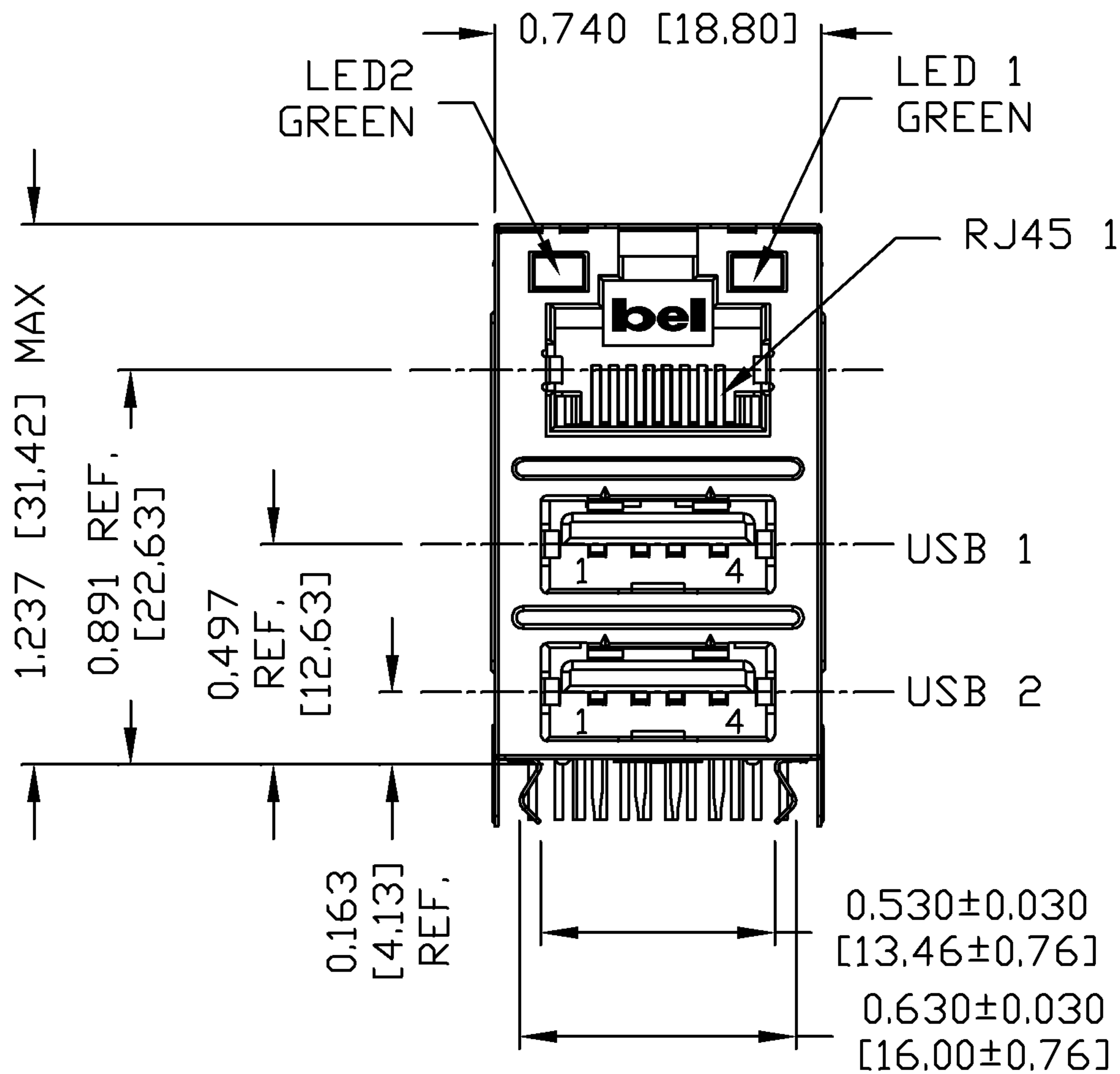
MECHANICAL SPECIFICATION

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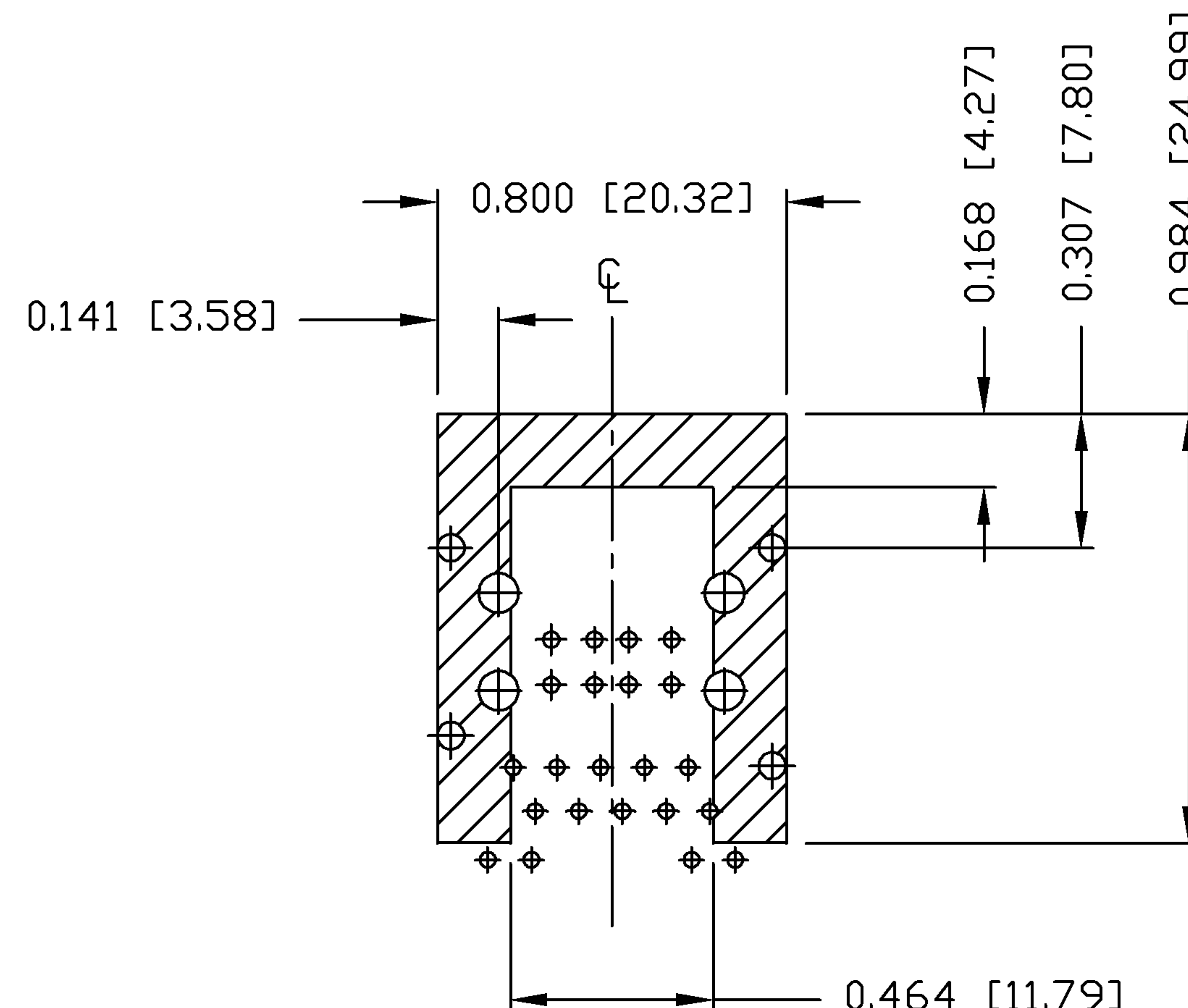
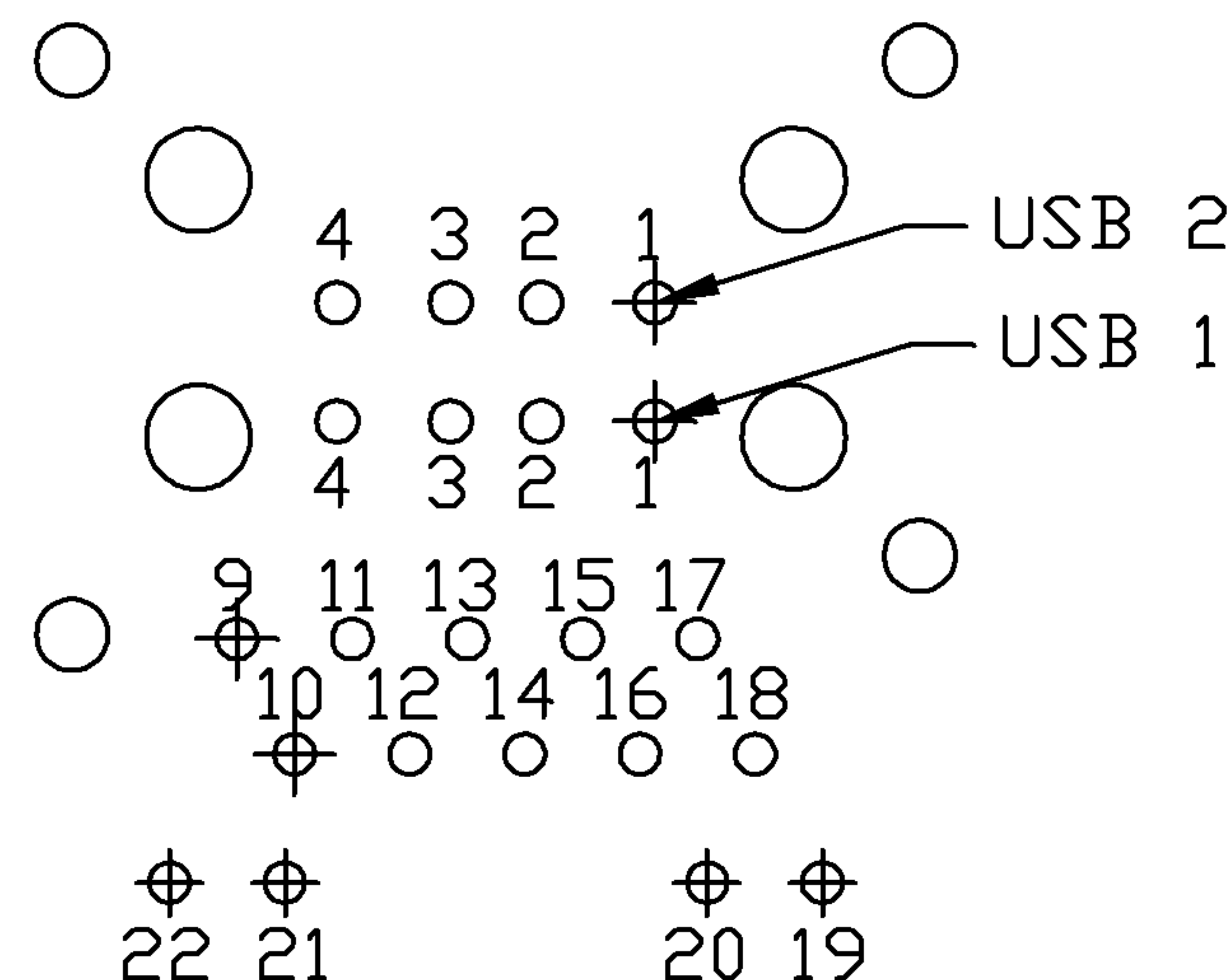
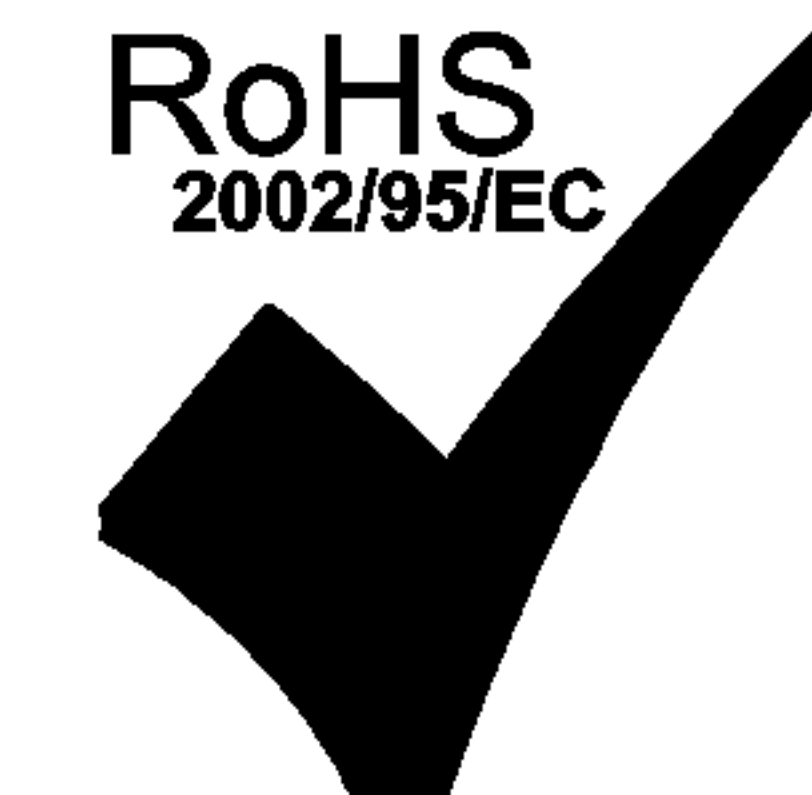


ORIGINATED BY ANTON LIAO	DATE 10-24-08	TITLE gigabit MagJack® Combo (staggered pins) 50u INCH HARD GOLD PLATING C893-1GX1-62A	PART NO. / DRAWING NO. C893-1GX162A	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : PB	
DRAWN BY HOWFAR WEI	DATE 10-24-08		FILE NAME C893-1GX162A_PB.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.010		PAGE : 3	

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RJ45 MECHANICAL:

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

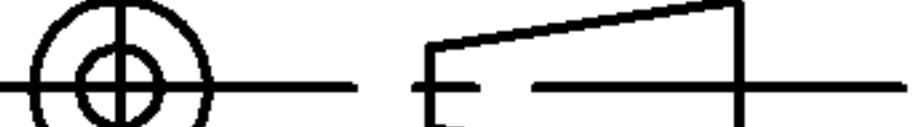
USB MECHANICAL:

MATING FORCE: 35 NEWTONS MAXIMUM
UNMATING FORCE: 10 NEWTONS MINIMUM
CONTACT: PHOSPHOR BRONZE
30 MICRO-INCH GOLD PLATING ON CONTACT
AREA AND TIN ON SOLDER TAIL.

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

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

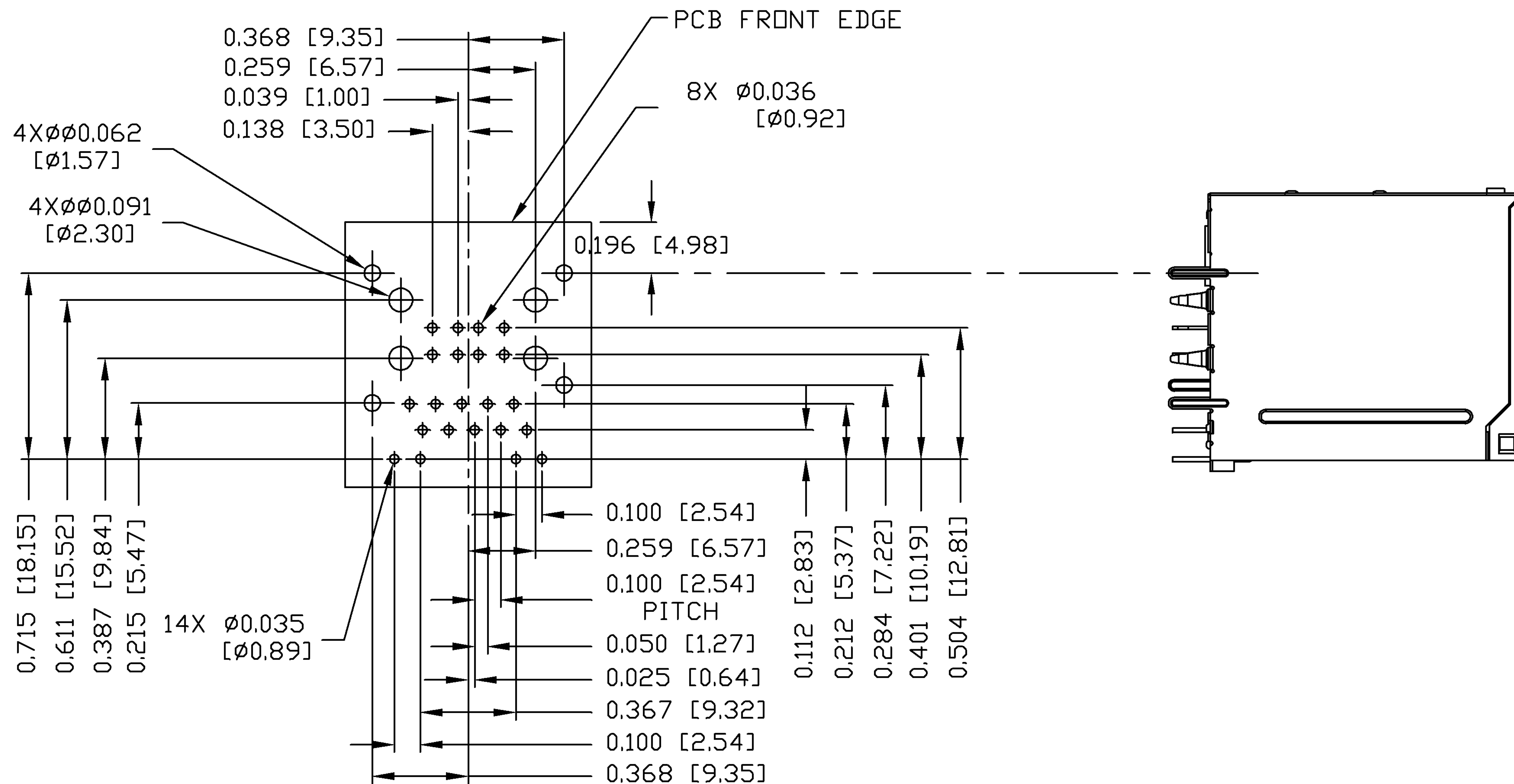
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PB	
ANTON LIAO	10-24-08	gigabit MagJack® Combo (staggered pins) 50u INCH HARD GOLD PLATING C893-1GX1-62A	C893-1GX162A FILE NAME C893-1GX162A_PB.DWG	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE			.XX			PAGE : 4	
HOWFAR WEI	10-24-08			.XXX	±0.004			

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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

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			FILE NAME C893-1GX162A_PB.DWG		.X		UNIT : INCH [mm]	REV. : PB	
DRAWN BY HOWFAR WEI	DATE 10-24-08				.XX		SCALE : N/A	SIZE : A4	
					.XXX	±0.004		PAGE : 5	

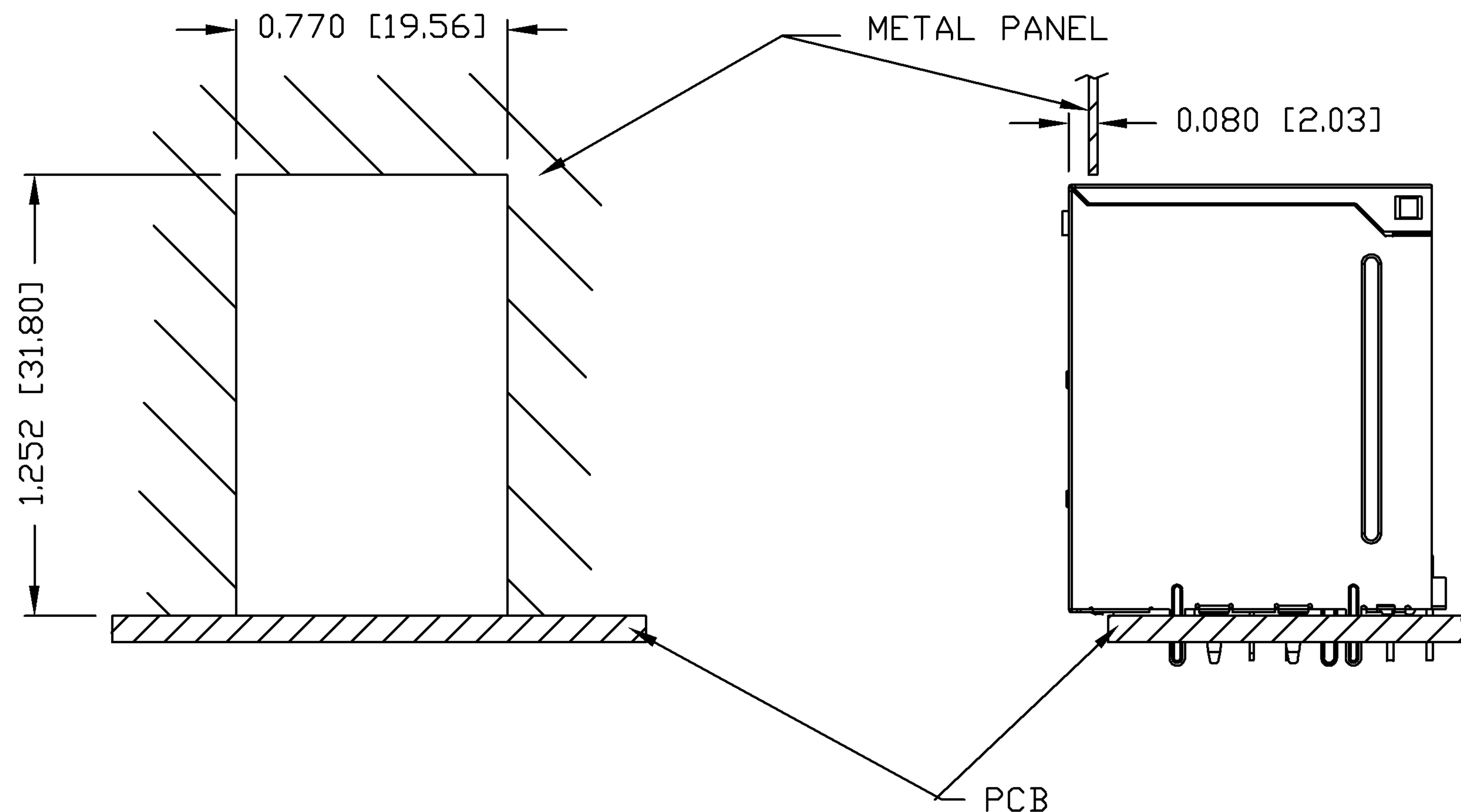
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SUGGESTED PANEL OPENING



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-H3 (TOP)
0200-9999-H4 (BOTTOM)

PACKING QUANTITY : 35 PCS FINISHED GOODS PER TRAY
9 TRAYS (315 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
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DRAWN BY	DATE	50u INCH HARD GOLD PLATING	FILE NAME	.XX	SCALE : N/A SIZE : A4
HOWFAR WEI	10-24-08	C893-1GX1-62A	C893-1GX162A_PB.DWG	.XXX ±0.004	⊕ — PAGE : 6

bel
COMPONENTS FOR A
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PLANET