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LED POLARITY			
PIN 13	PIN 12	PIN 11	COLOR
-	+		GREEN
	+	-	ORANGE

PRELIMINARY

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.
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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) @ 100ΩHMS ±15%

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

RJ1-8 TO SHIELD	1500 Vrms
RJ1-8 TO PIN1-10	1500 Vrms
PIN1-10 TO SHIELD	800 VDC

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

LED

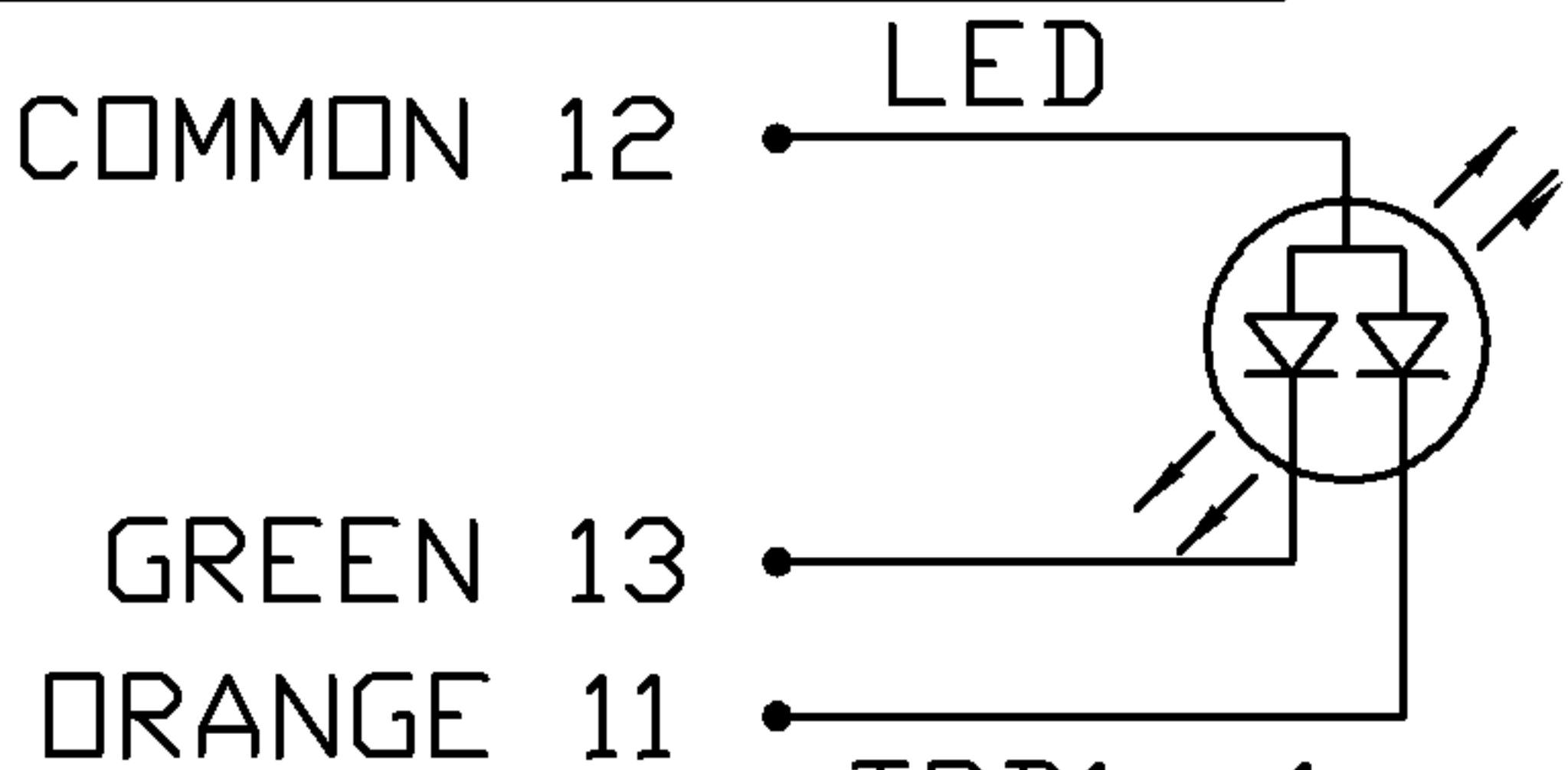
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
	ORANGE 2.0V TYP.

λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
	ORANGE 610nm TYP.

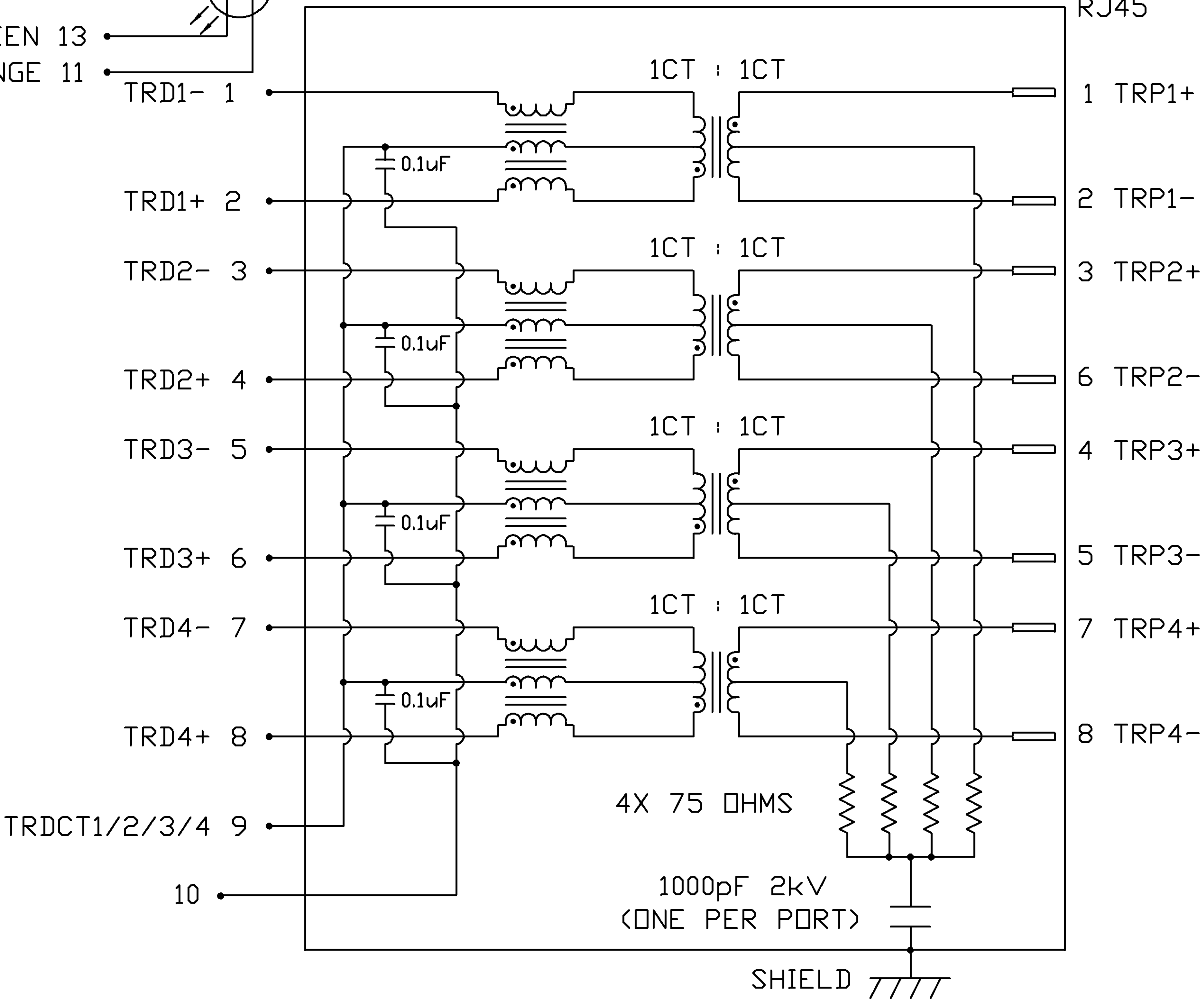
OPERATING TEMPERATURE: -40 TO +85°C

NOTES:

SCHEMATIC & ELECTRICAL CHARACTERISTICS ARE IDENTICAL FOR PORT 1 & PORT 2.



SCHEMATIC



ORIGINATED BY	DATE
WANCHUNG CHOW	04-25-08
DRAWN BY	DATE
WEIDE LEE	04-25-08

TITLE
2X1 gigabit MagJack ® (8 cores, Extend Temp) 0843-2B1T-DA-F

PART NO. / DRAWING NO.
08432B1TDA-F
FILE NAME
08432B1TDA-F_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



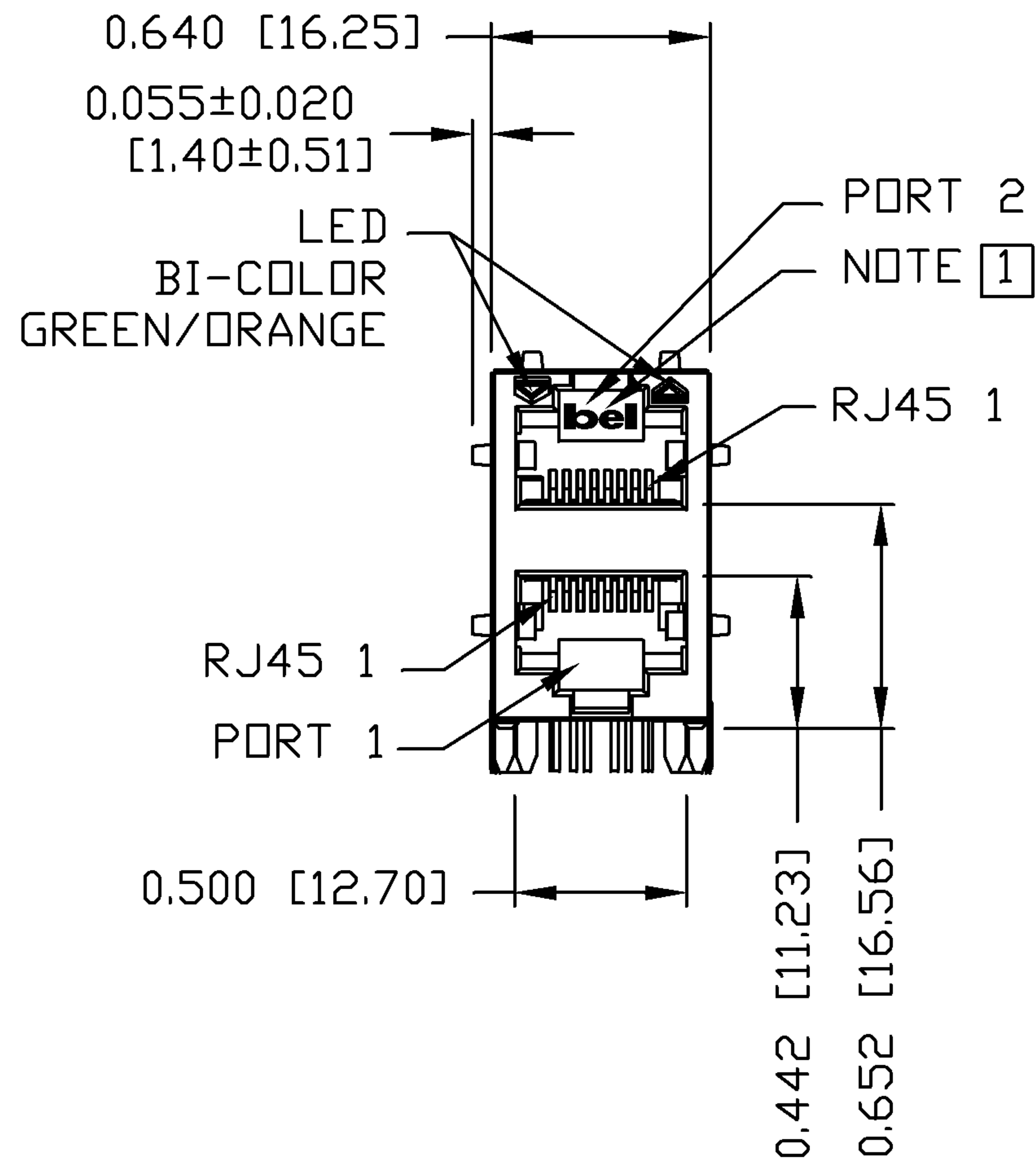
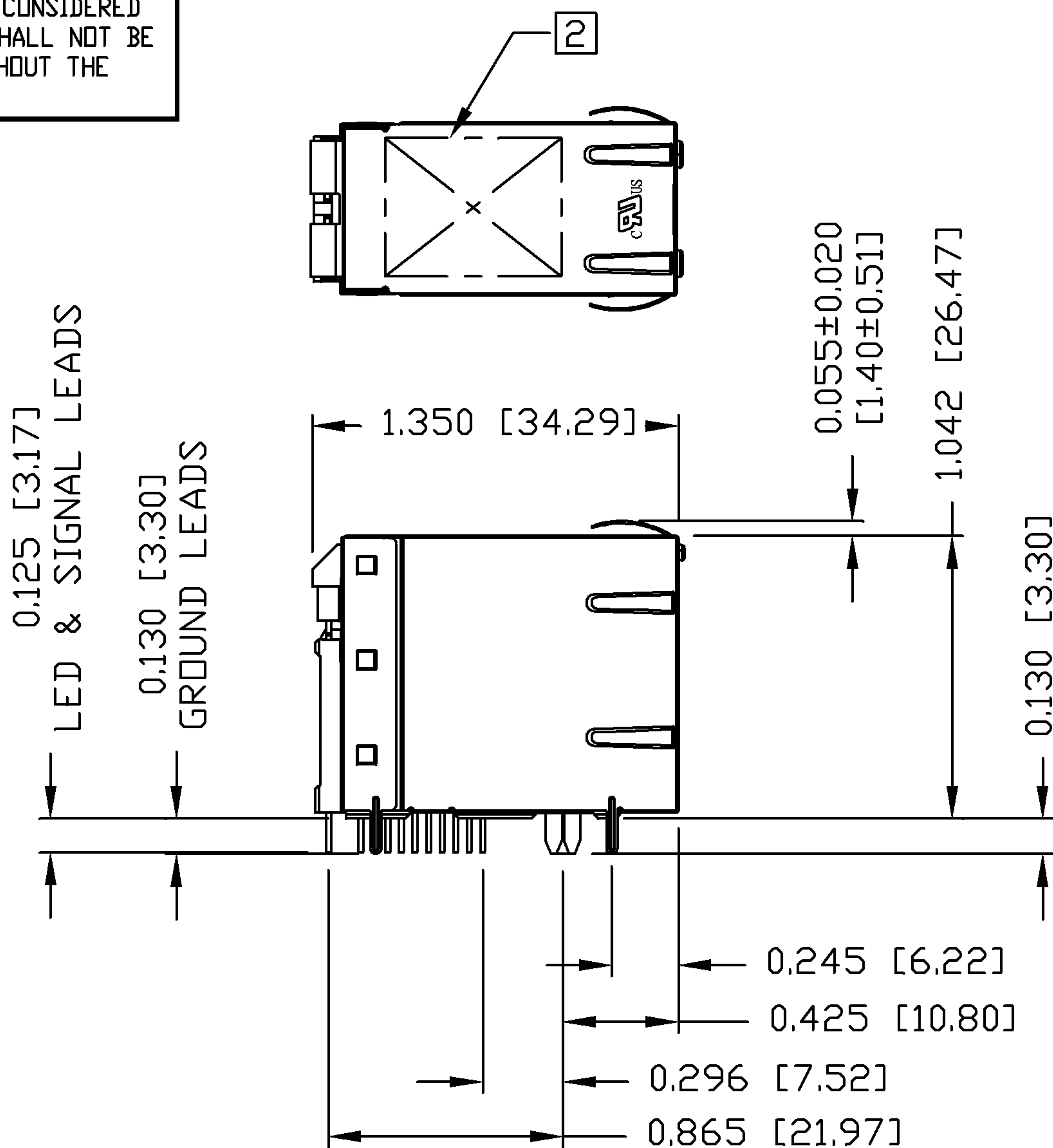


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NOTES:

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.

c  US UL RECOGNIZED - FILE #E196366 AND E169987.

- [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.  
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ORIGINATED BY ANTON LIAO	DATE 04-25-08	TITLE 2X1 gigabit MagJack ®  (8 cores, Extend Temp)  0843-2B1T-DA-F	PART NO. / DRAWING NO. 08432B1TDA-F	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE		 <b>COMPONENTS FOR A CONNECTED PLANET</b>
DRAWN BY CHEN TING	DATE 04-25-08		FILE NAME 08432B1TDA-F_PA.DWG	.X		UNIT : INCH [mm]    REV. : PA		
				.XX		SCALE :    N/A    SIZE : A4		
				.XXX		±0.010	 PAGE : 3	

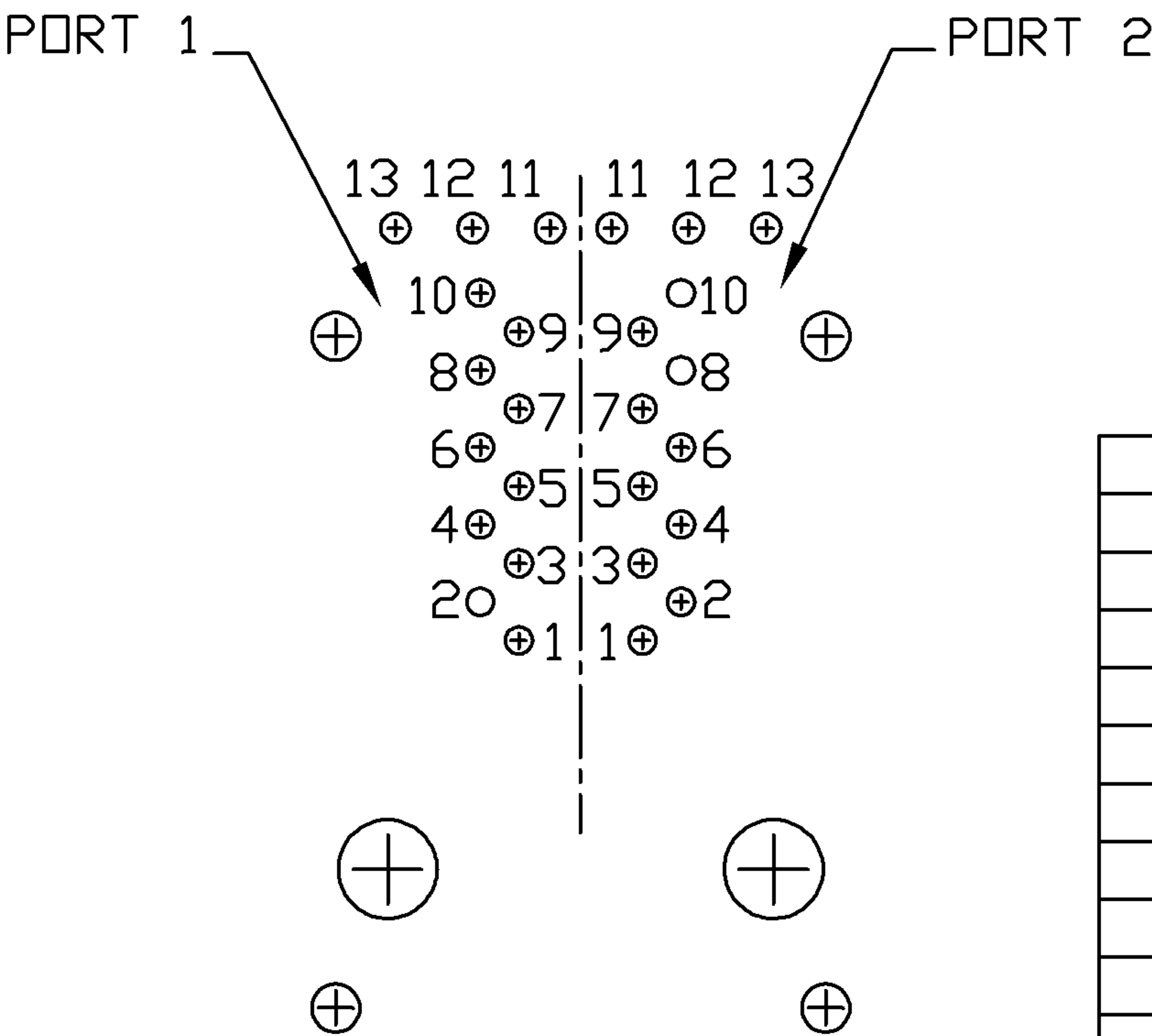
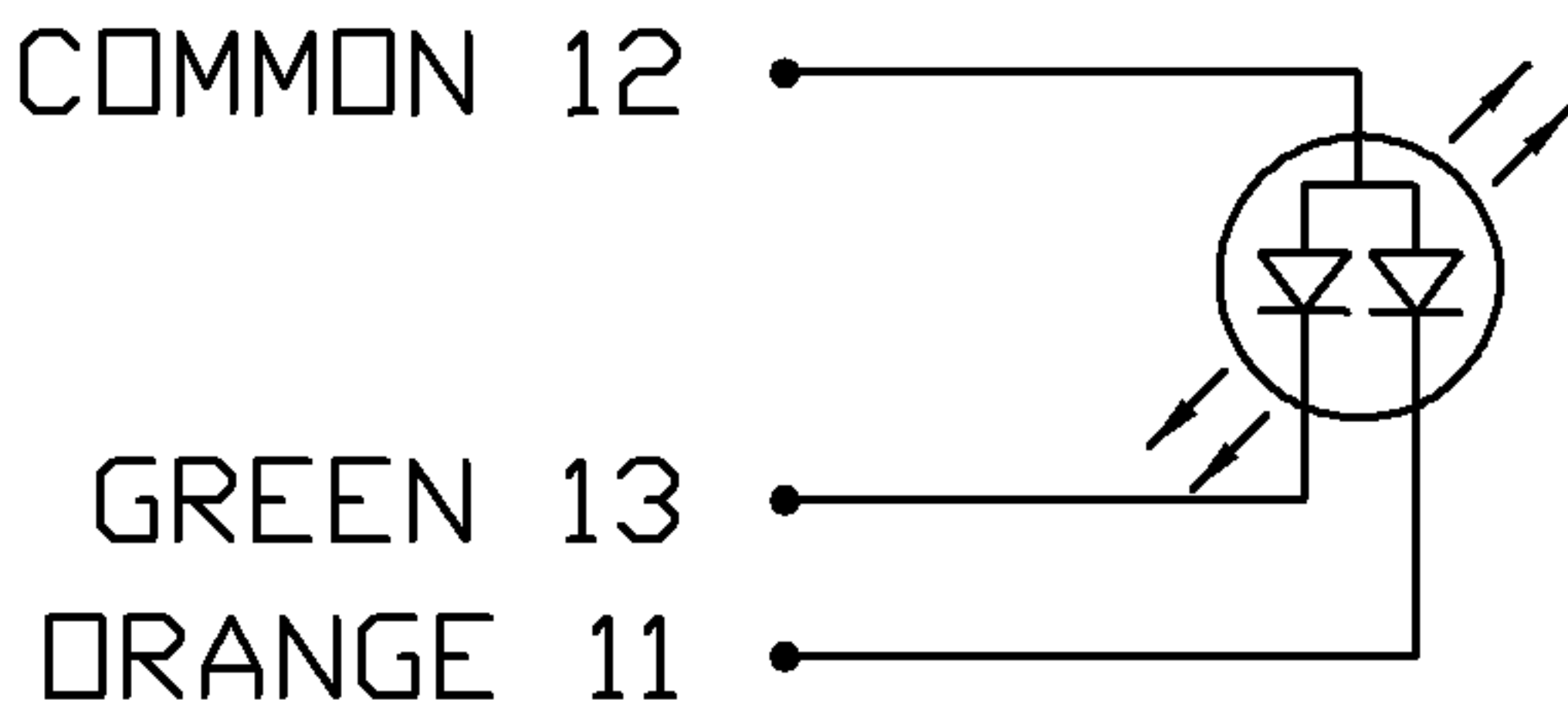
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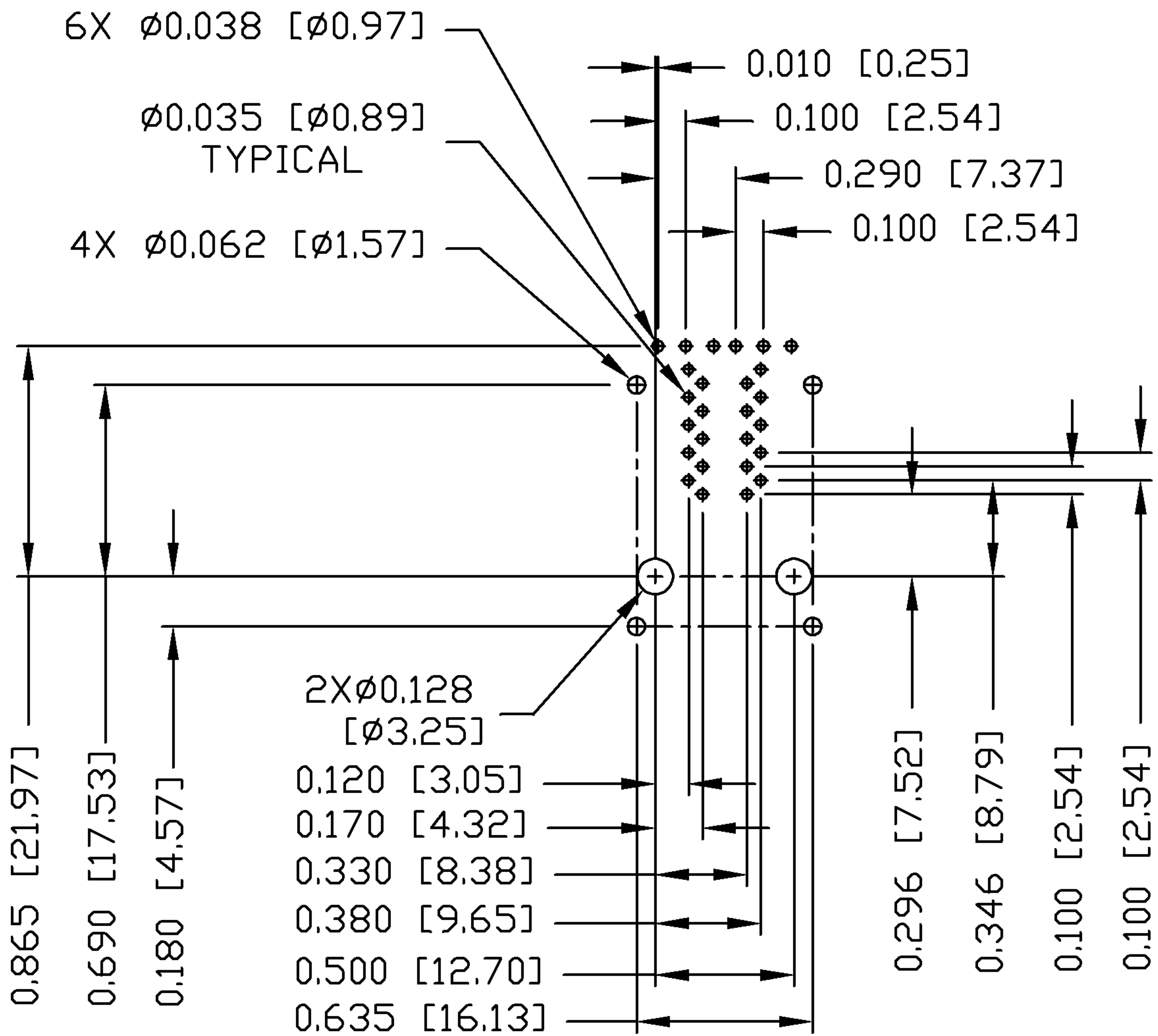
LED CONFIGURATION



PIN-OUT INFORMATION

(COMPONENT SIDE VIEW)

1	TRD 1+
2	TRD 1-
3	TRD 2+
4	TRD 2-
5	TRD 3+
6	TRD 3-
7	TRD 4+
8	TRD 4-
9	TRDCT 1/2/3/4
10	NO
11	ORANGE LED CATHODE
12	COMMON ANODE
13	GREEN LED CATHODE



SUGGESTED FOOTPRINT  
(COMPONENT SIDE VIEW)

ORIGINATED BY ANTON LIAO	DATE 04-25-08	TITLE 2X1 gigabit MagJack ® (8 cores, Extend Temp) 0843-2B1T-DA-F	PART NO. / DRAWING NO. 08432B1TDA-F	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : PA	
DRAWN BY CHEN TING	DATE 04-25-08		FILE NAME 08432B1TDA-F_PA.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

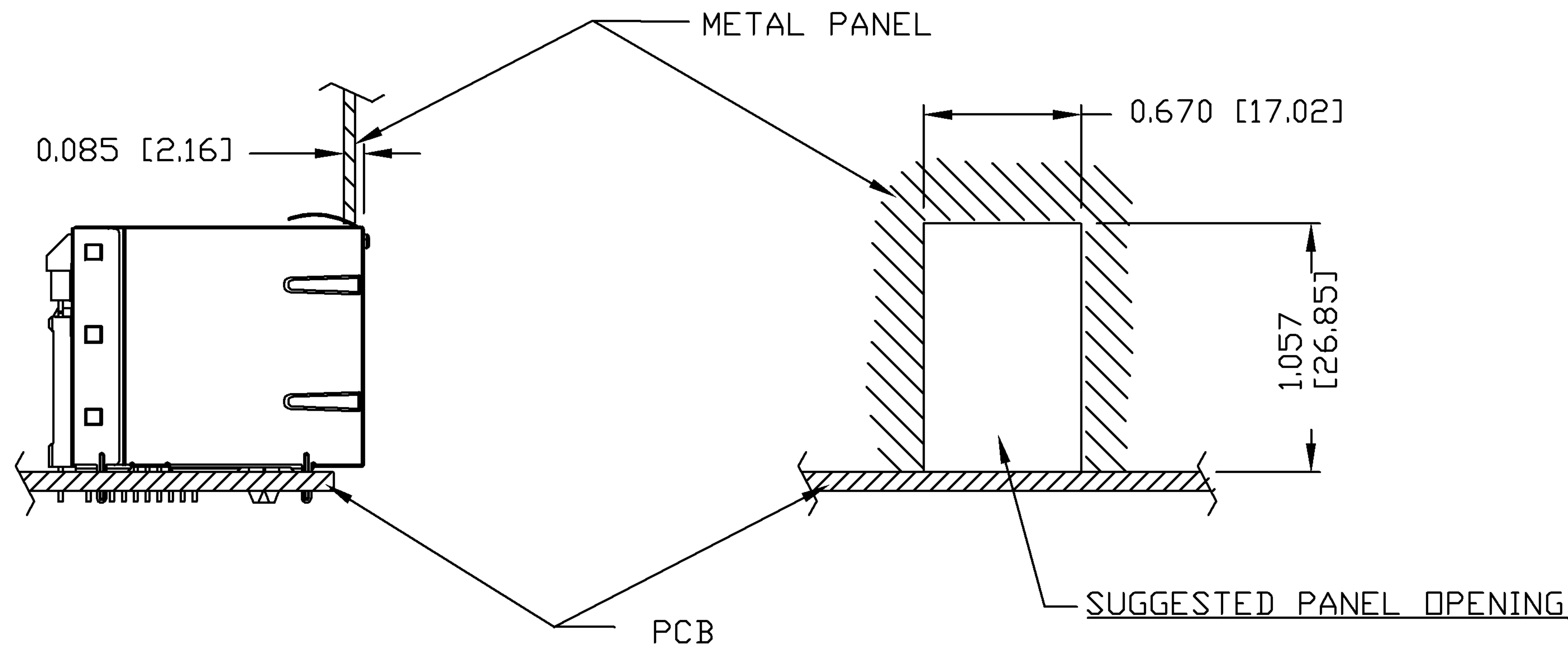


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SUGGESTED PANEL OPENING

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: 0200-0148-36 (TOP)  
0200-0148-34 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY  
6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

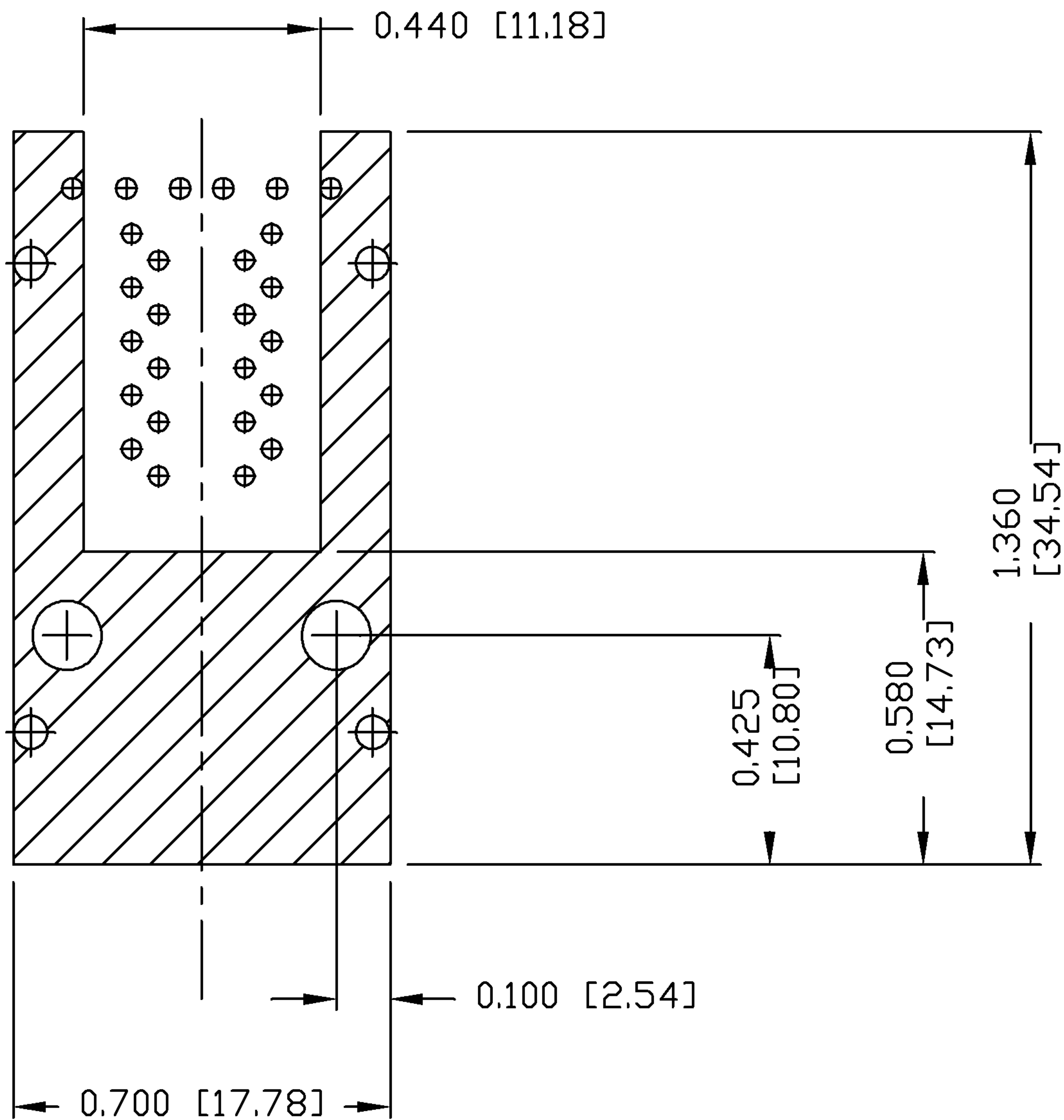
NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.  
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE	
				TOL.	IN INCH	UNIT : INCH [mm]	REV. : PA
BILLB CHEN	04-25-08	2X1 gigabit MagJack ® (8 cores, Extend Temp) 0843-2B1T-DA-F	08432B1TDA-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
CHEN TING	04-25-08		08432B1TDA-F_PA.DWG	.XXX	±0.004		

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NOTES:

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

ORIGINATED BY	DATE	TITLE 2X1 gigabit MagJack® (8 cores, Extend Temp) 0843-2B1T-DA-F	PART NO. / DRAWING NO. 08432B1TDA-F		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	04-25-08		FILE NAME 08432B1TDA-F_PA.DWG	.X		UNIT : INCH [mm]		REV. : PA
DRAWN BY	DATE			.XX		SCALE : N/A		SIZE : A4
CHEN TING	04-25-08			.XXX		±0.004		PAGE : 6

