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LED1 POLARITY			LED2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
		GREEN	+	-	YELLOW
-	+	GREEN	-	+	GREEN

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

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

LED 1

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

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

LED 2

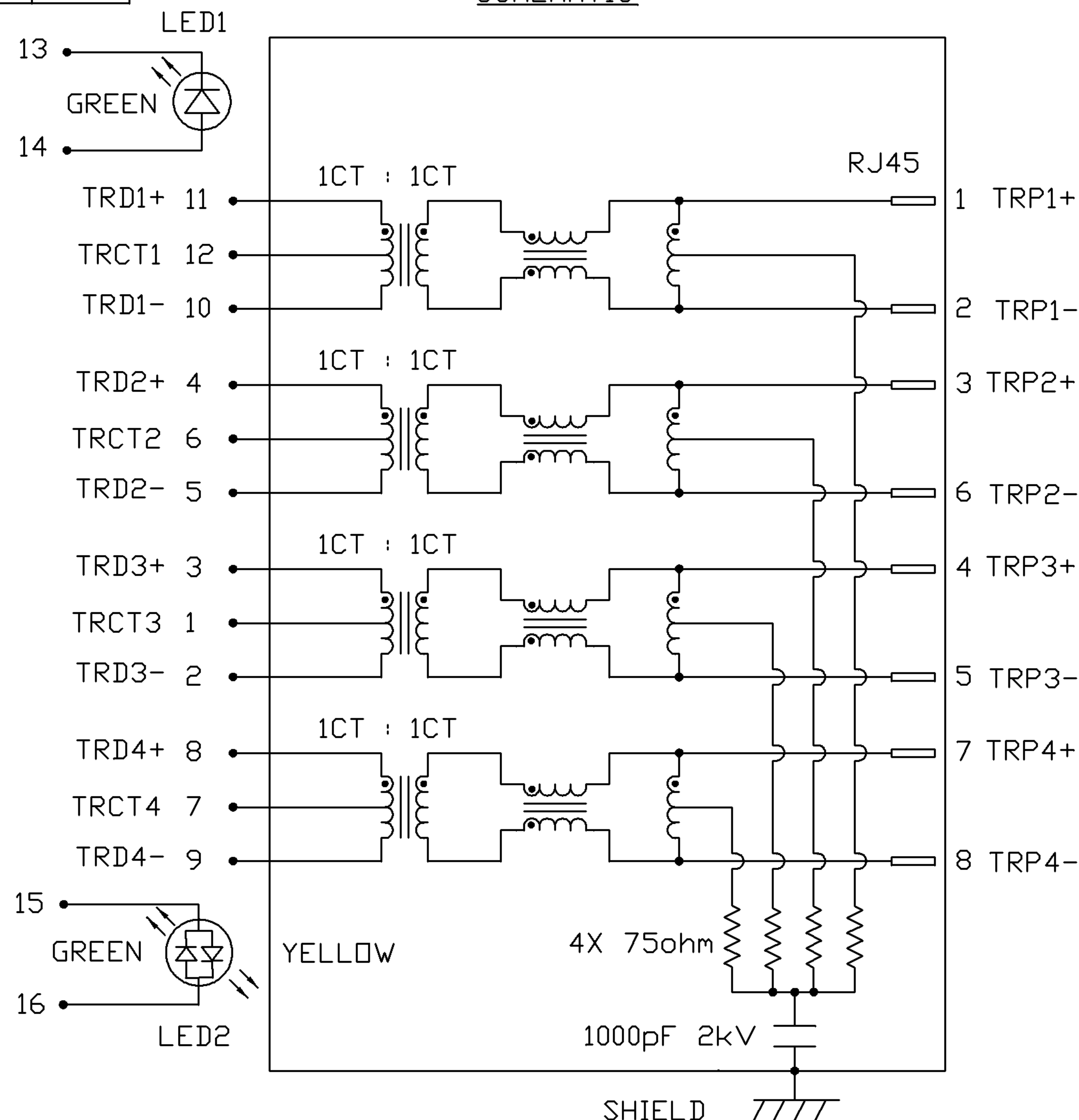
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

IF=20mA YELLOW 2.1V TYP.

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

IF=20mA YELLOW 590nm TYP.

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	08-19-08	1X4 gigabit MagJack® (12 cores, Tab Up)	0826-1K4T-23	TOL. IN INCH	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
LEE WEIDE	08-19-08		0826-1K4T-23_C.DWG	.XX .XXX	PAGE : 2



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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

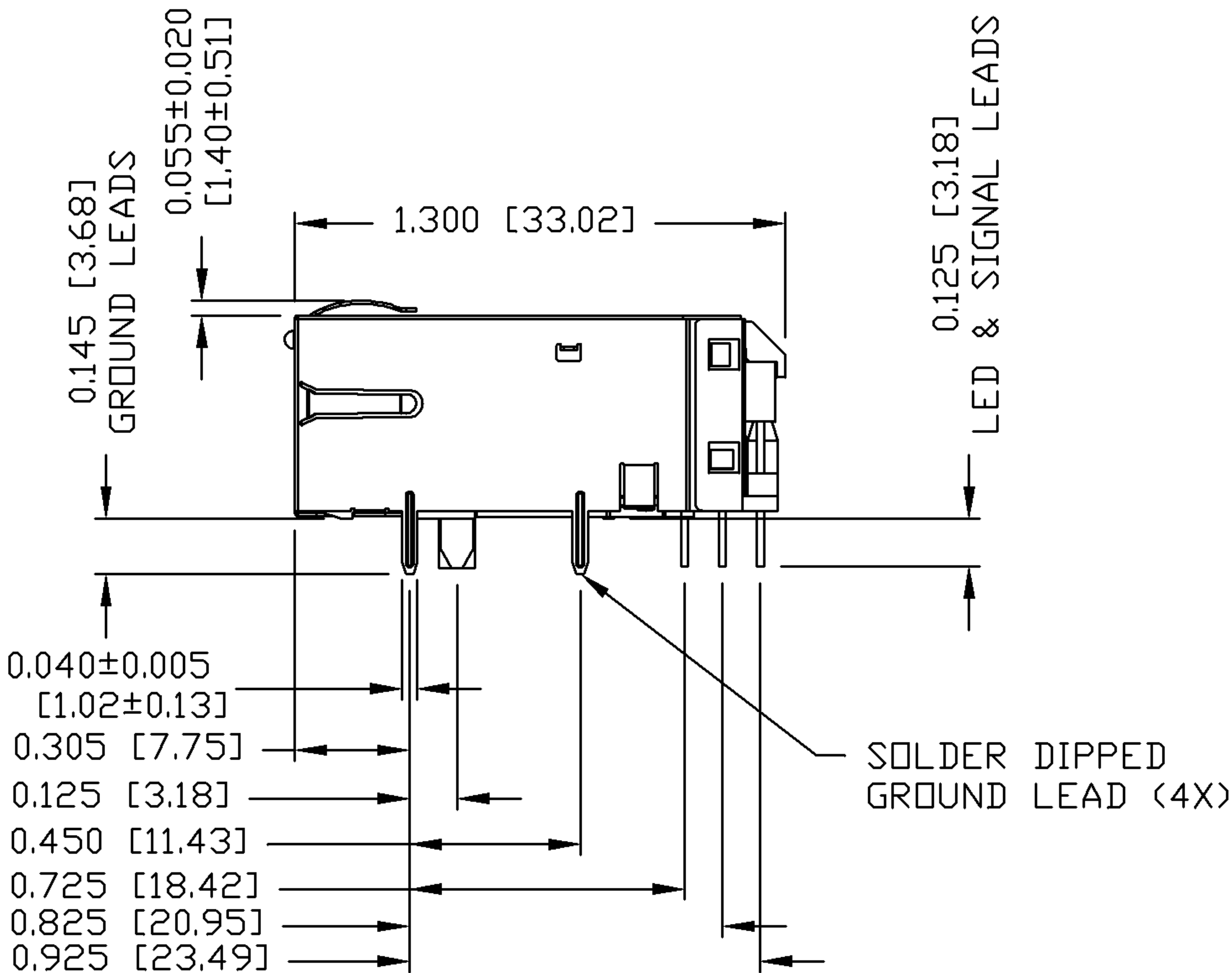
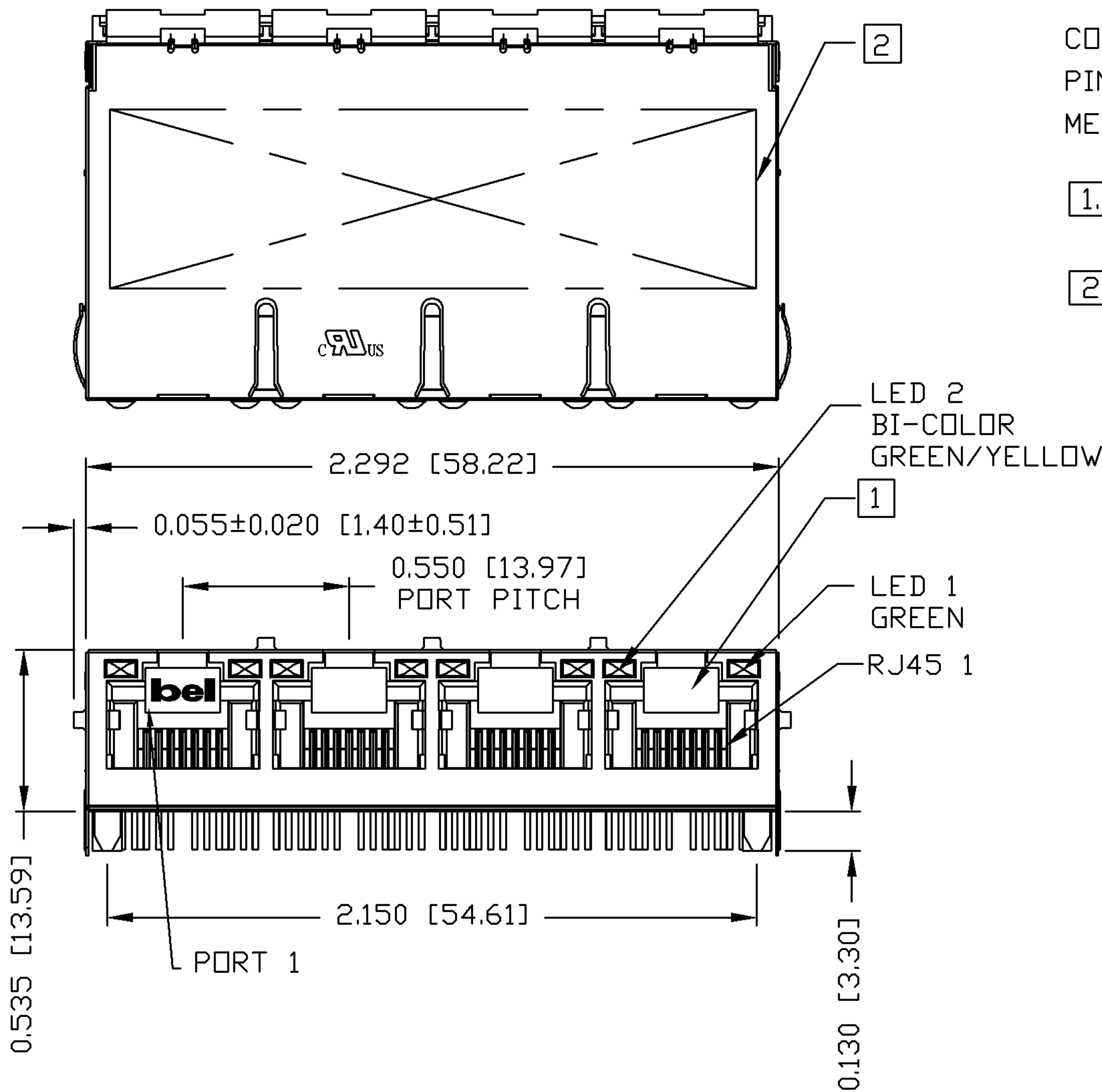
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING

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; DATE CODE.

C **UL** US UL RECOGNIZED - FILE #E196366 AND E169987.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ZX HUANG	08-19-08	1X4 gigabit MagJack® (12 cores, Tab Up)	0826-1K4T-23	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
BL CHEN	08-19-08		0826-1K4T-23_C.DWG	.XXX ±0.010	PAGE : 3

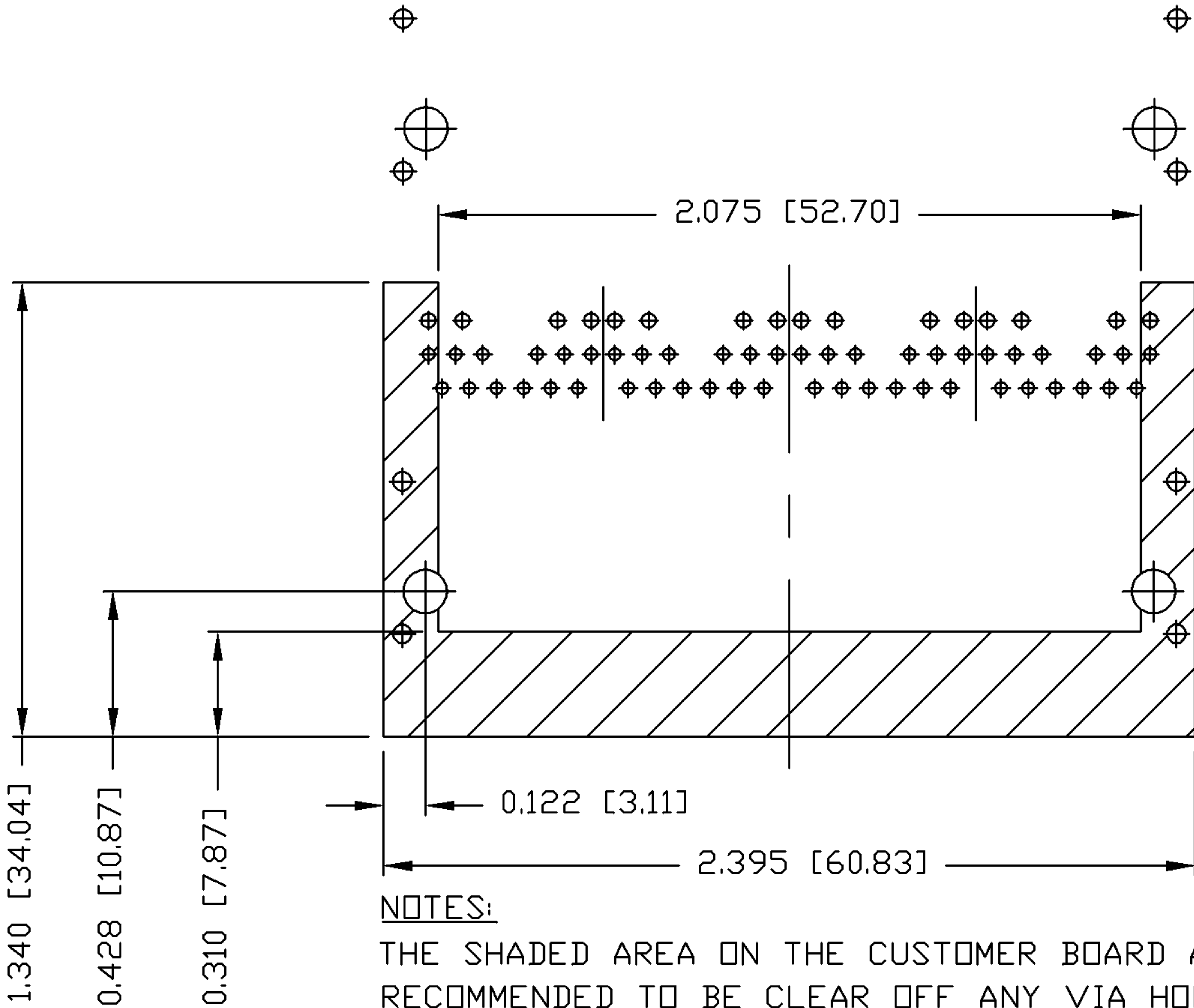
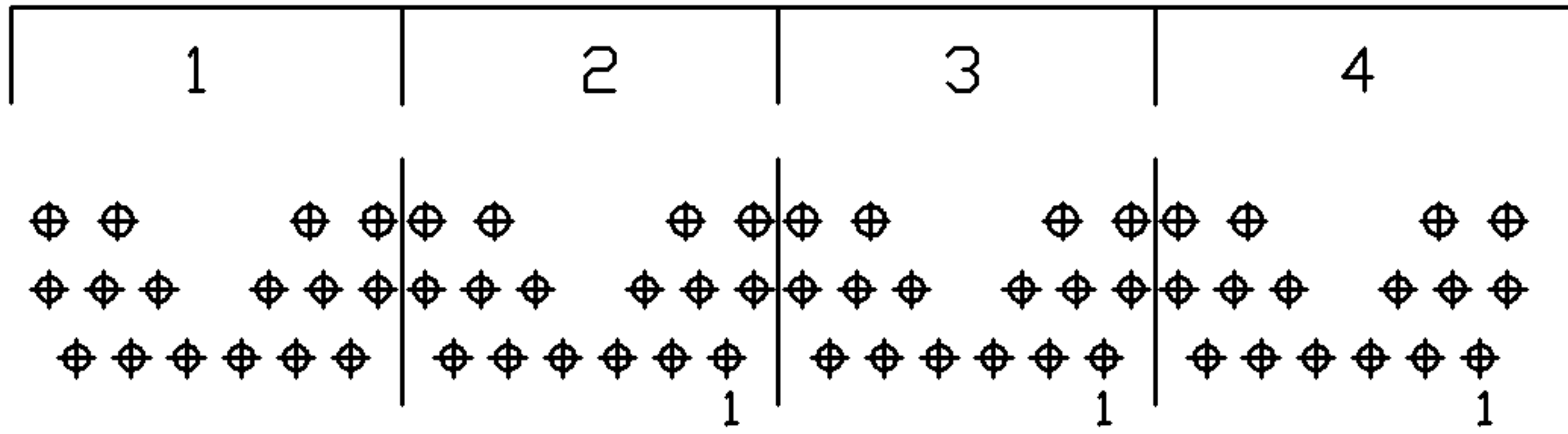


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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

12	TRCT1
11	TRD1+
10	TRD1-
9	TRD4-
8	TRD4+
7	TRCT4
6	TRCT2
5	TRD2-
4	TRD2+
3	TRD3+
2	TRD3-
1	TRCT3

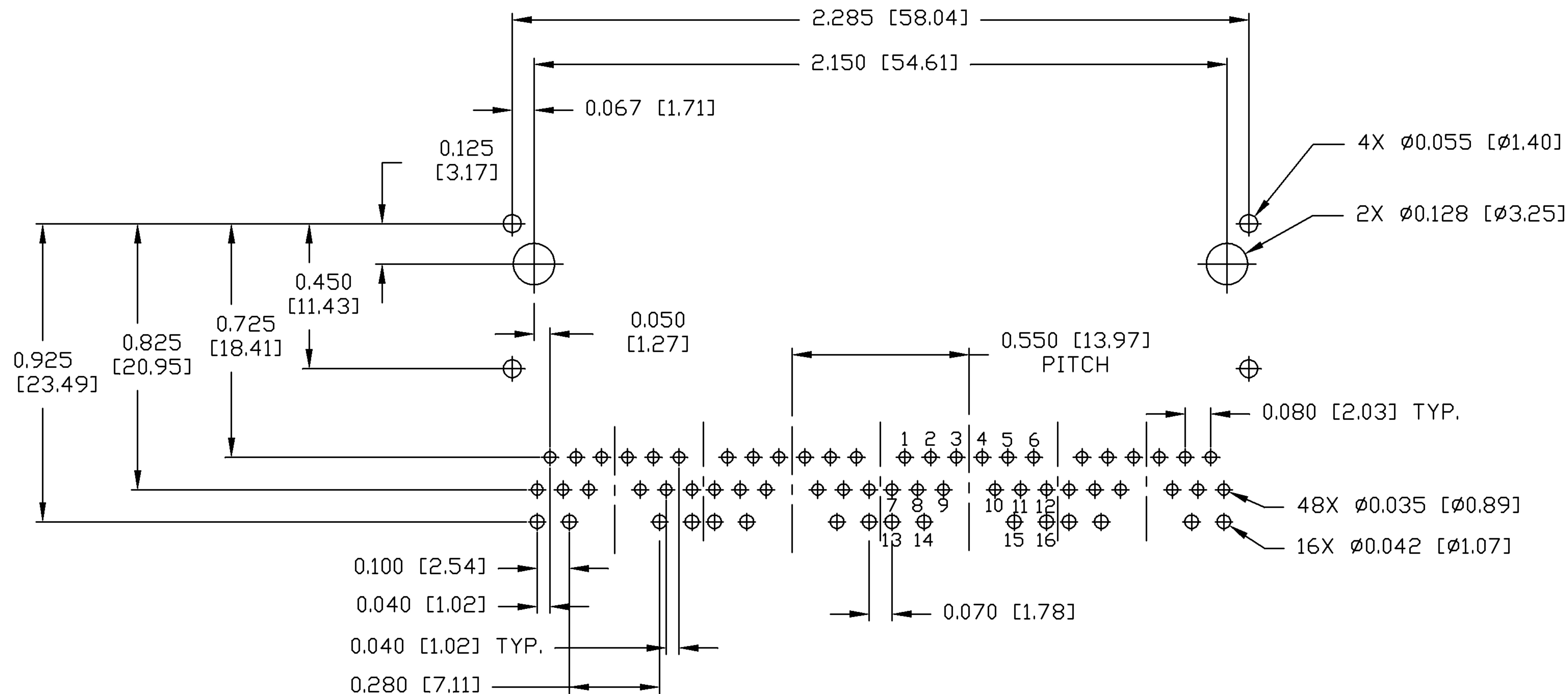
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

ORIGINATED BY	DATE	TITLE 1X4 gigabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO. 0826-1K4T-23		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ZX HUANG	08-19-08		FILE NAME 0826-1K4T-23_C.DWG		.X		UNIT : INCH [mm]	REV. : C	
DRAWN BY	DATE				.XX		SCALE : N/A	SIZE : A4	
BL CHEN	08-19-08				.XXX		±0.004		

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RECOMMENDED PCB FOOTPRINT

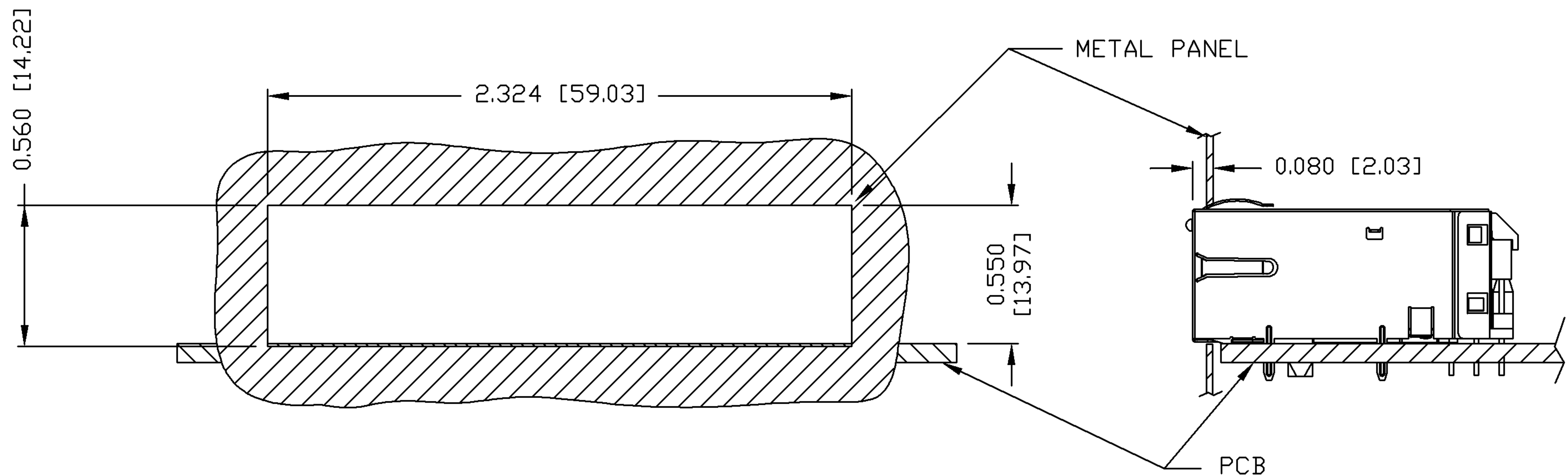
COMPONENT SIDE VIEW

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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
BL CHEN	08-19-08		0826-1K4T-23_C.DWG	.XXX ±0.004	PAGE : 5



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SUGGESTED PANEL OPENING



NOTES:

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-B4 (TOP)
0200-9999-B5 (BOTTOM)

PACKING QUANTITY : 24 PCS FINISHED GOODS PER TRAY
10 TRAYS (240 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 1X4 gigabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ZX HUANG	08-19-08 <td>0826-1K4T-23</td> <th colspan="2">TOL. IN INCH</th> <th>UNIT : INCH [mm]</th> <th>REV. : C</th>		0826-1K4T-23	TOL. IN INCH		UNIT : INCH [mm]	REV. : C	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
BL CHEN	08-19-08		0826-1K4T-23_C.DWG	.XX			PAGE : 6	
			.XXX	±0.004				