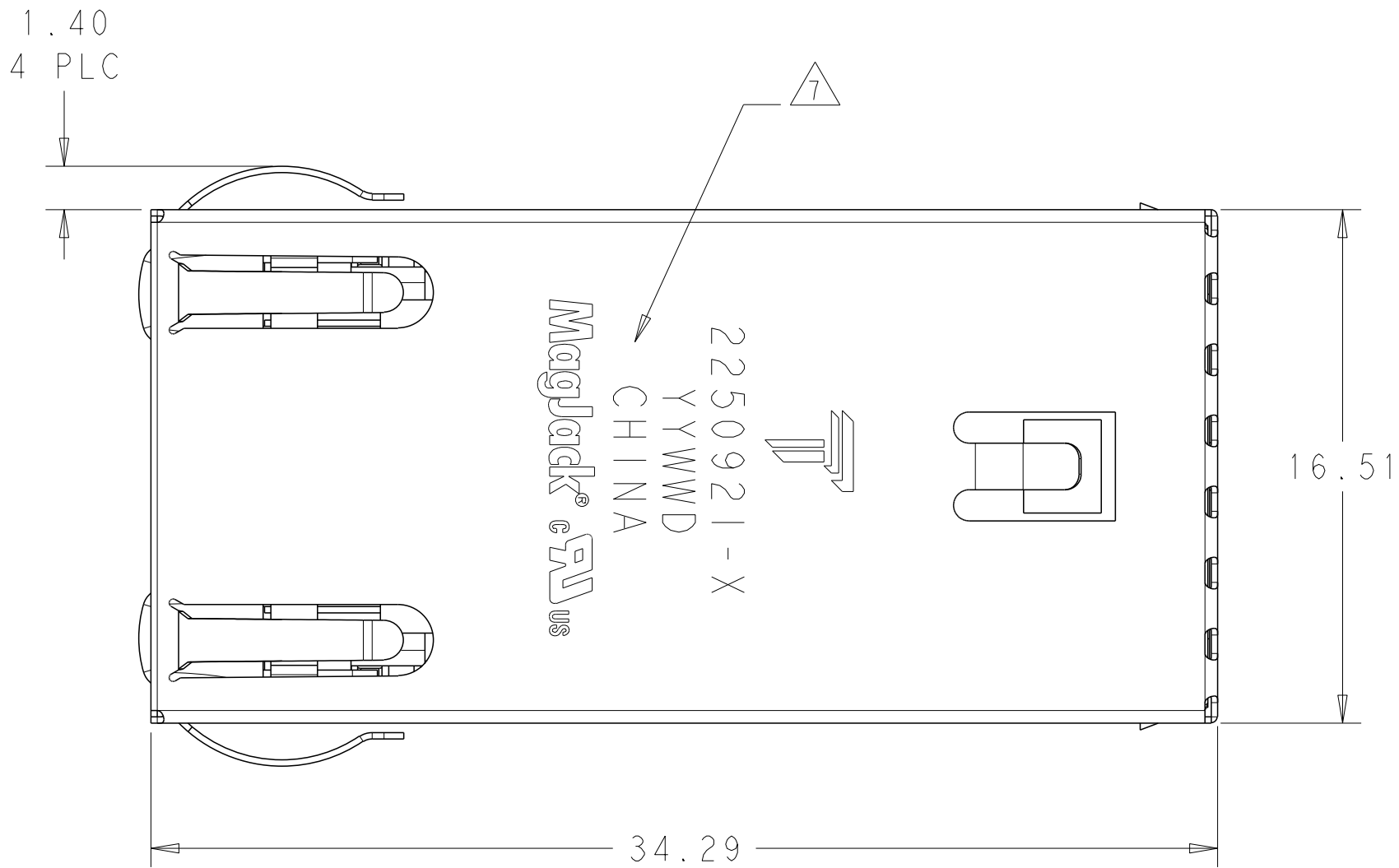
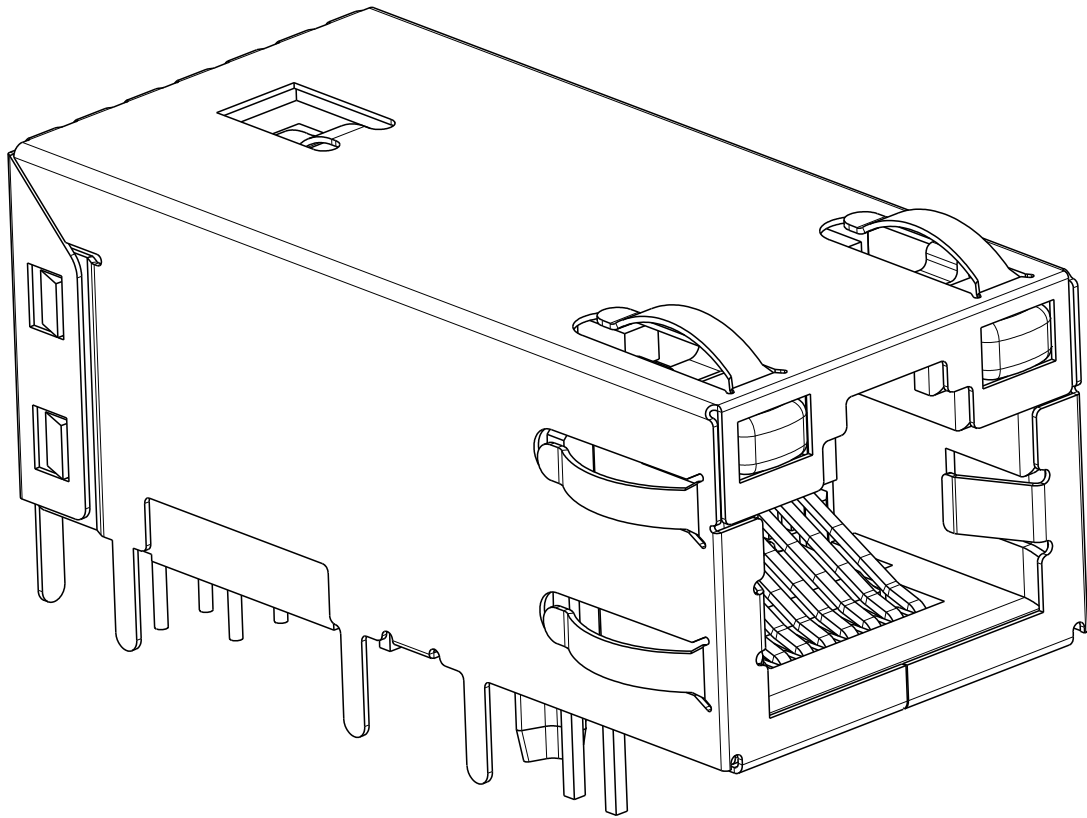


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
#	LYR	DESCRIPTION	DATE	DWN APVD
1		INITIAL RELEASE	16JUL2024	JY TY



1. MATERIALS:
- HOUSING: THERMOPLASTIC, FLAMMABILITY, RATING UL 94V-0.
 - SHIELD: 0.20mm THICK, COPPER BASE ALLOY PREPLATED WITH 0.76um MIN BRIGHT NICKEL; ALL GROUND LEADS ARE SOLDER DIPPED.
 - MOD JACK CONTACTS: 0.3mm THICK, PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE, WITH 1.27um MIN LOCALIZED GOLD PLATE AT CONTACT INTERFACE.
 - LIGHT EMITTING DIODE (LED): DIFFUSED EPOXY LENS, 0.5mm X 0.5mm CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03um MIN. SILVER PLATE OVER 1.02um MIN. NICKEL OVER 1.02um MIN. COPPER UNDERPLATE; LEADS POST-PLATED WITH 2.54um MIN. MATTE TIN, AND TIP TIN DIPPING.

2. MAGNETICS:
- APPLICATION: 1G/10G BASE-T,
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 160uH MIN @ 100kHz, 0.1VRMS FROM 0°C TO 70°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @ 25°C: PLEASE REFER TO SEPERATE SHEET.
 - ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.

3. OPERATING TEMPERATURE: FROM 0°C TO 70°C

4. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB-PART F.

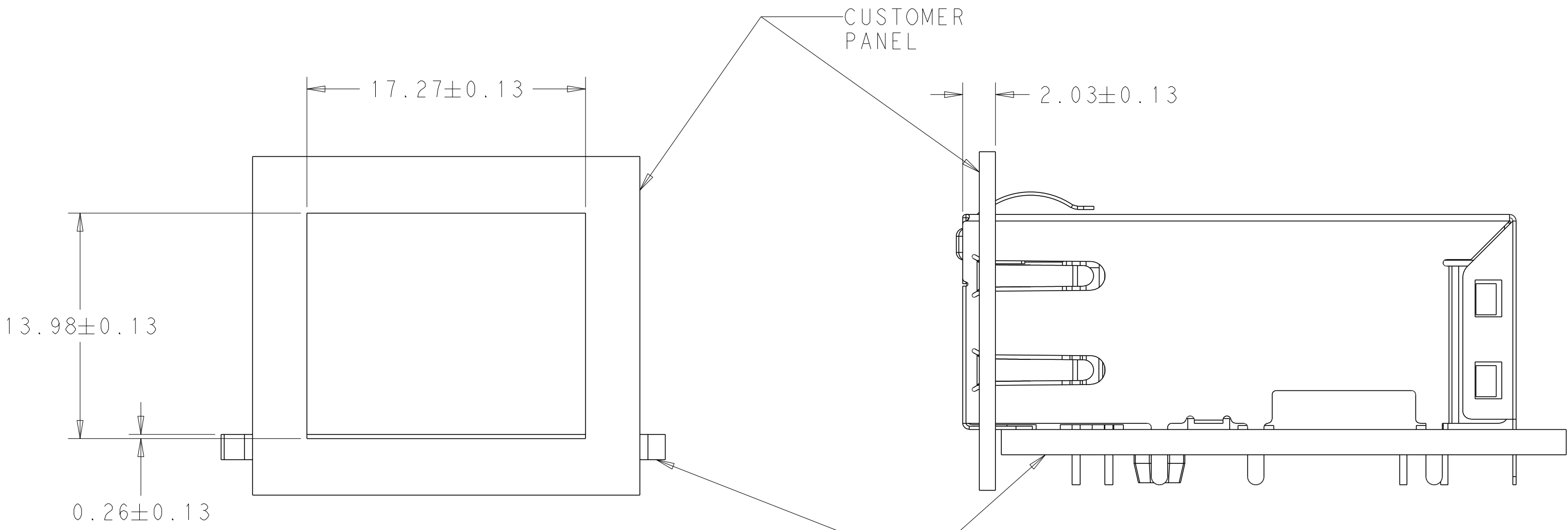
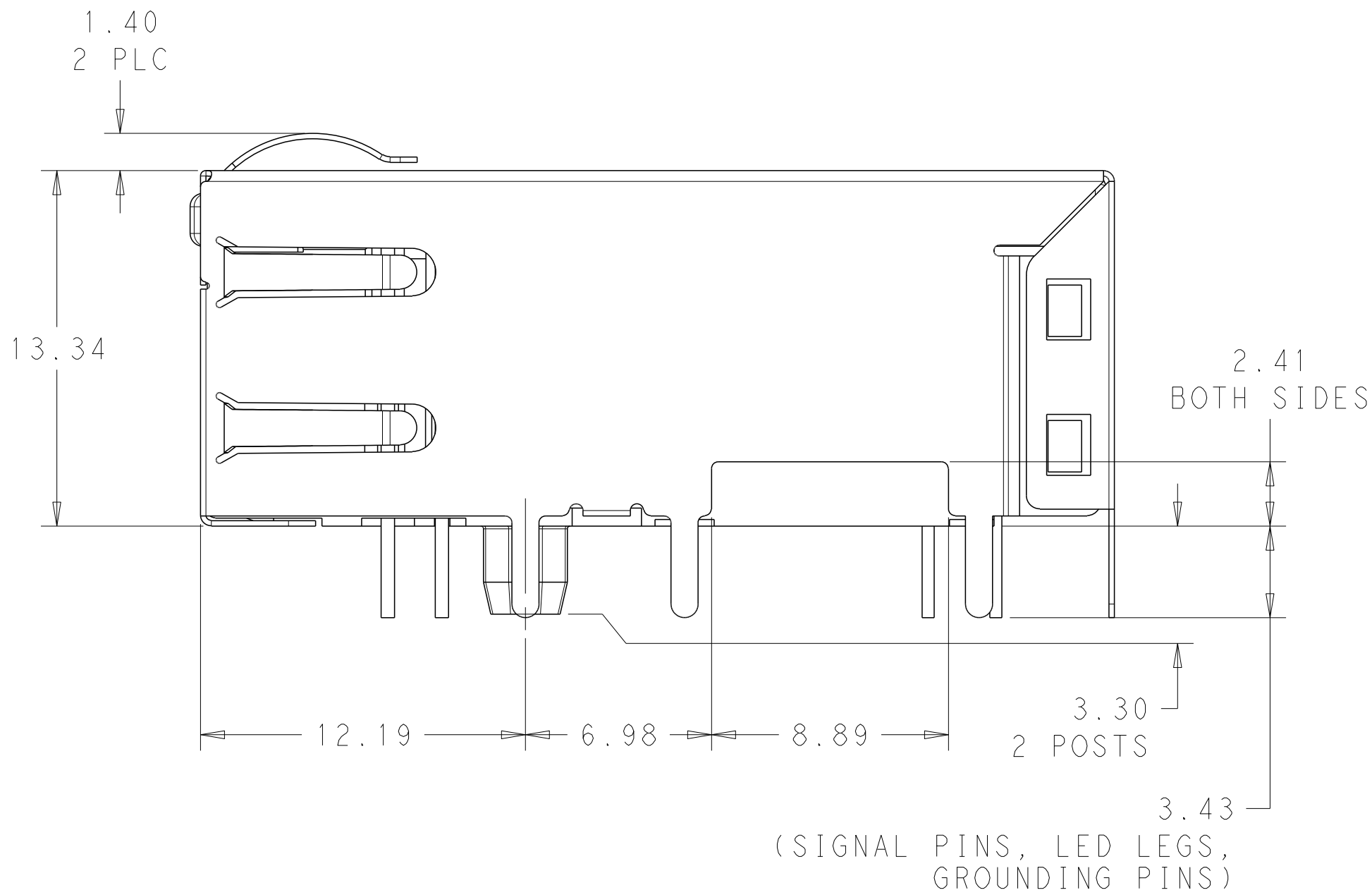
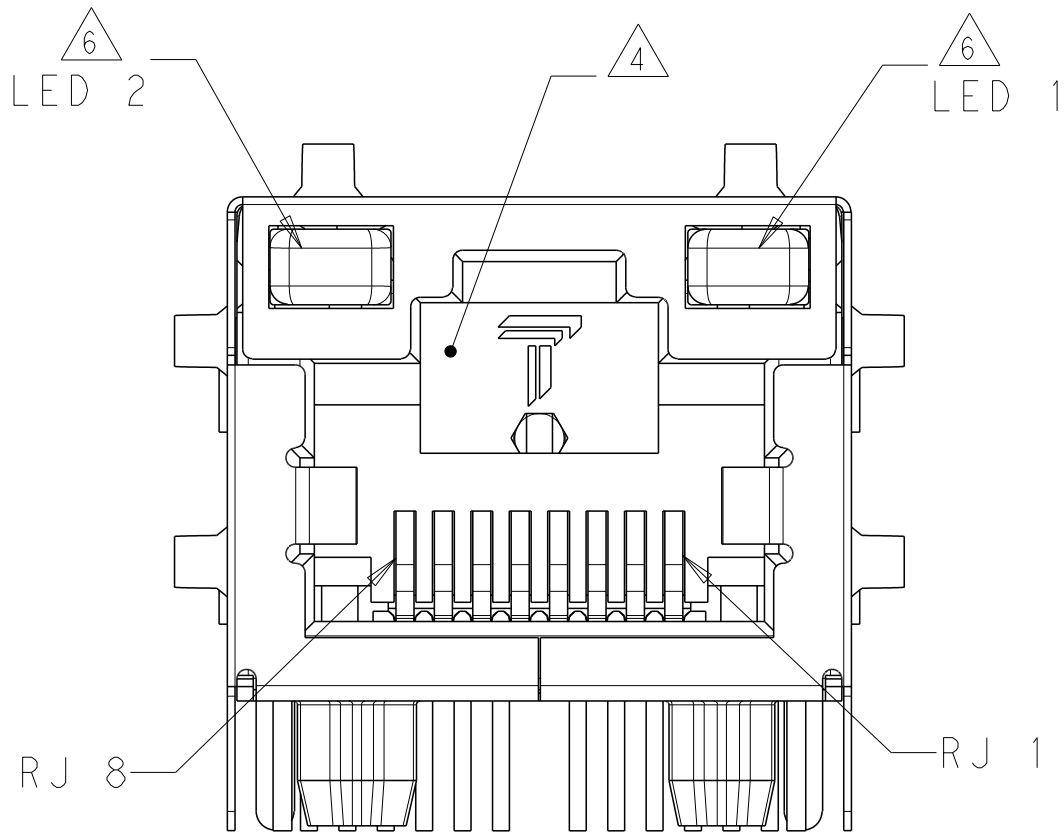
5. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

6. LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
- LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
CHROMATICITY COORDINATES: COOL WHITE X=0.28 TYP. Y=0.27 TYP. @ IF=20mA
FORWARD VOLTAGE (VF): COOL LIGHT 3.1V TYP. @ IF=20mA

7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN, DATE CODE: YYWWDD WHERE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1.


8. DATUM Y AND BASIC DIMENSION ESTABLISH BY CUSTOMER.

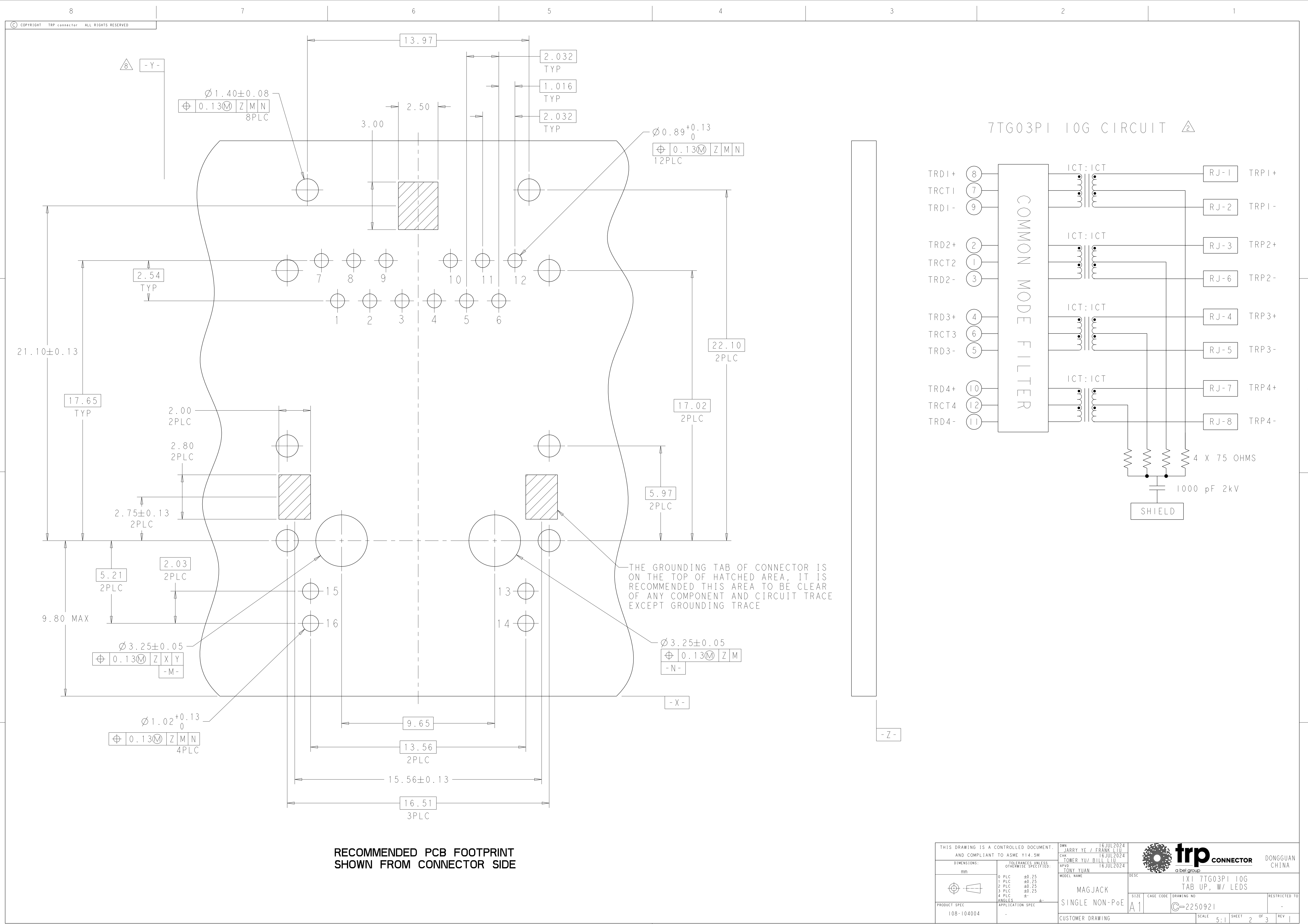
9. PART SHOULD BE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.



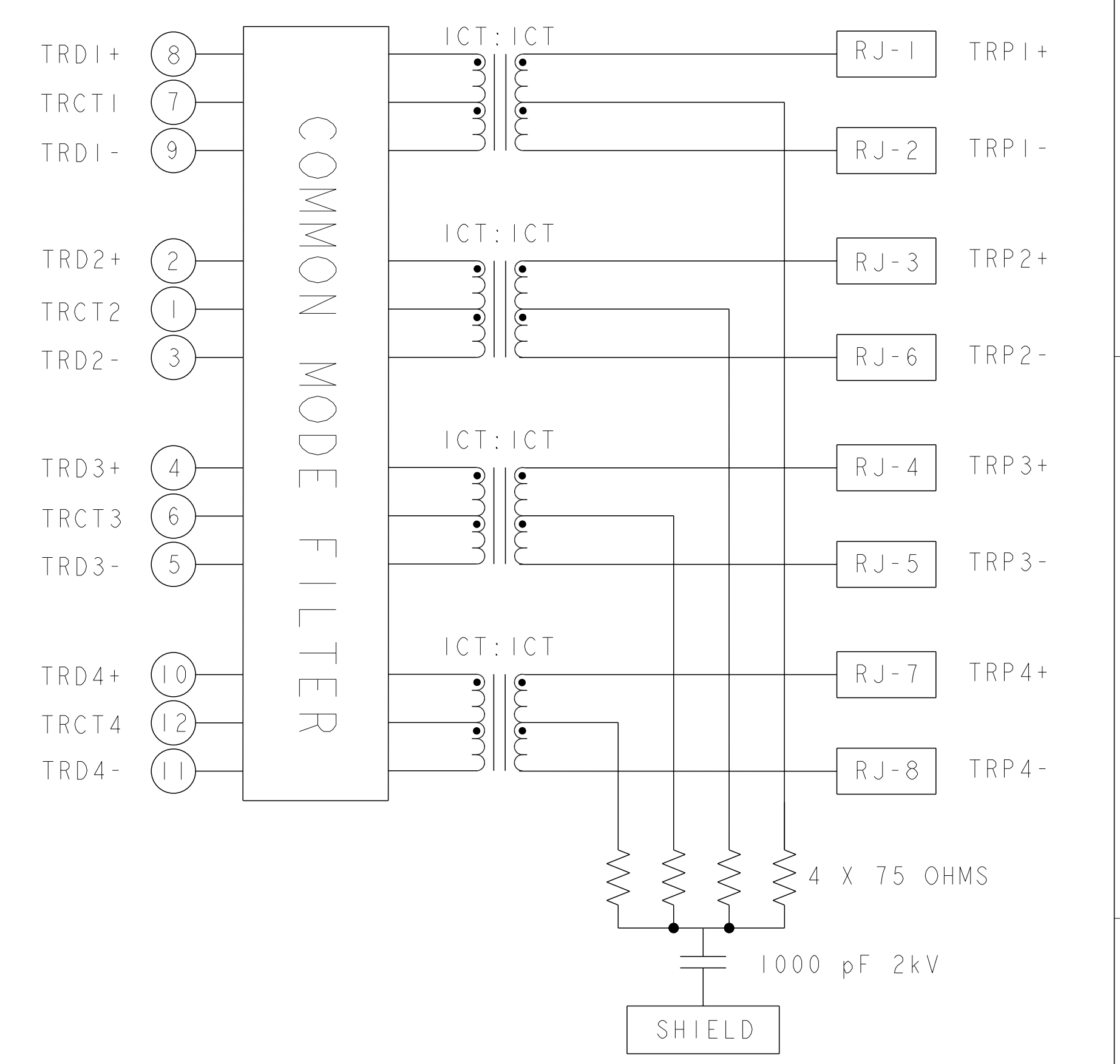
SUGGESTED PANEL CUTOUT

SIDE VIEW, SHOWN WITH CUSTOMER PCB AND PANEL

GREEN	YELLOW	GREEN	YELLOW	2250921-1
16-15	15-16	14-13	13-14	PART NUMBER
LED 2		LED 1		
THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN: JARRY YE / FRANK LIU 16JUL2024 CHK: TOWER YU/ BILL LIU 16JUL2024 APVD: TONY YUAN 16JUL2024		 trp CONNECTOR DONGGUAN CHINA
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME: MAGJACK
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±		DESC: 1X1 7TG03PI 10G TAB UP, W/ LEDS		SIZE: A1
PRODUCT SPEC: 108-104004		APPLICATION SPEC: -		RESTRICTED TO: -
CUSTOMER DRAWING		SCALE: 5:1		SHEET 1 OF 3 REV 1



7TG03PI 10G CIRCUIT



RECOMMENDED PCB FOOTPRINT
SHOWN FROM CONNECTOR SIDE

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN: JARRY YE / FRANK LIU CHK: TOWER YU/ BILL LIU APVD: TONY YUAN	16 JUL 2024 16 JUL 2024 16 JUL 2024
DIMENSIONS:	mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	
	0 PLC	±0.25	
	1 PLC	±0.25	
	2 PLC	±0.25	
	3 PLC	±0.25	
	4 PLC	±	
	ANGLES	±	
PRODUCT SPEC	108-104004	APPLICATION SPEC	-
MODEL NAME		DESC	
MAGJACK		1X1 7TG03PI 10G TAB UP, W/ LEDS	
SINGLE NON-POE		SIZE	CAGE CODE
CUSTOMER DRAWING		A 1	2250921
SCALE		5:1	SHEET 2 OF 3
REV		1	

C_2250921					STOCK DISPOSITION			
-					A:CONTINUE AS IS B:REWORK C:SCRAP		D:USE OLD FIRST E:PARTS TO CONFORM F:OTHER	
REVISION HISTORY								
DATE	REV	CHANGE	REASON	APPROVAL	INVENTORY (A,B,C,D,E,F)	WORK IN PROCESS (A,B,C,D)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)
16JUL2024	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.
AND COMPLIANT TO ASME Y14.5M

DIMENSIONS:
mm

PRODUCT SPEC
108-104004

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±0.25
4 PLC ±
ANGLES
APPLICATION SPEC

-

DWN: JARRY YE / FRANK LIU
CHK: TOWER YU/ BILL LIU
APVD: TONY YUAN

16 JUL 2024
16 JUL 2024
16 JUL 2024

MODEL NAME
MAGJACK
SINGLE NON-PoE

CUSTOMER DRAWING

trpCONNECTOR
a bel group

IXI 7TG03PI 10G
TAB UP, W/ LEDS

SIZE
A 1

CAGE CODE
C=2250921

DRAWING NO
-

RESTRICTED TO
-

SCALE
5:1

SHEET
3

OF
3

REV
1

XXXX

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