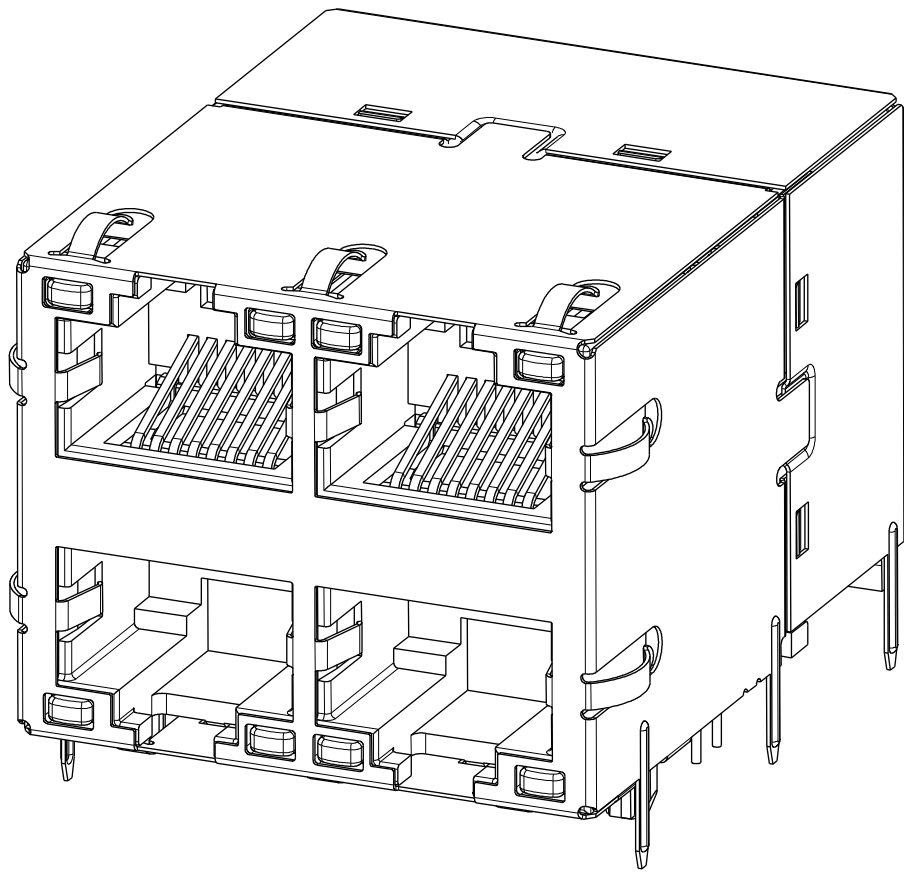
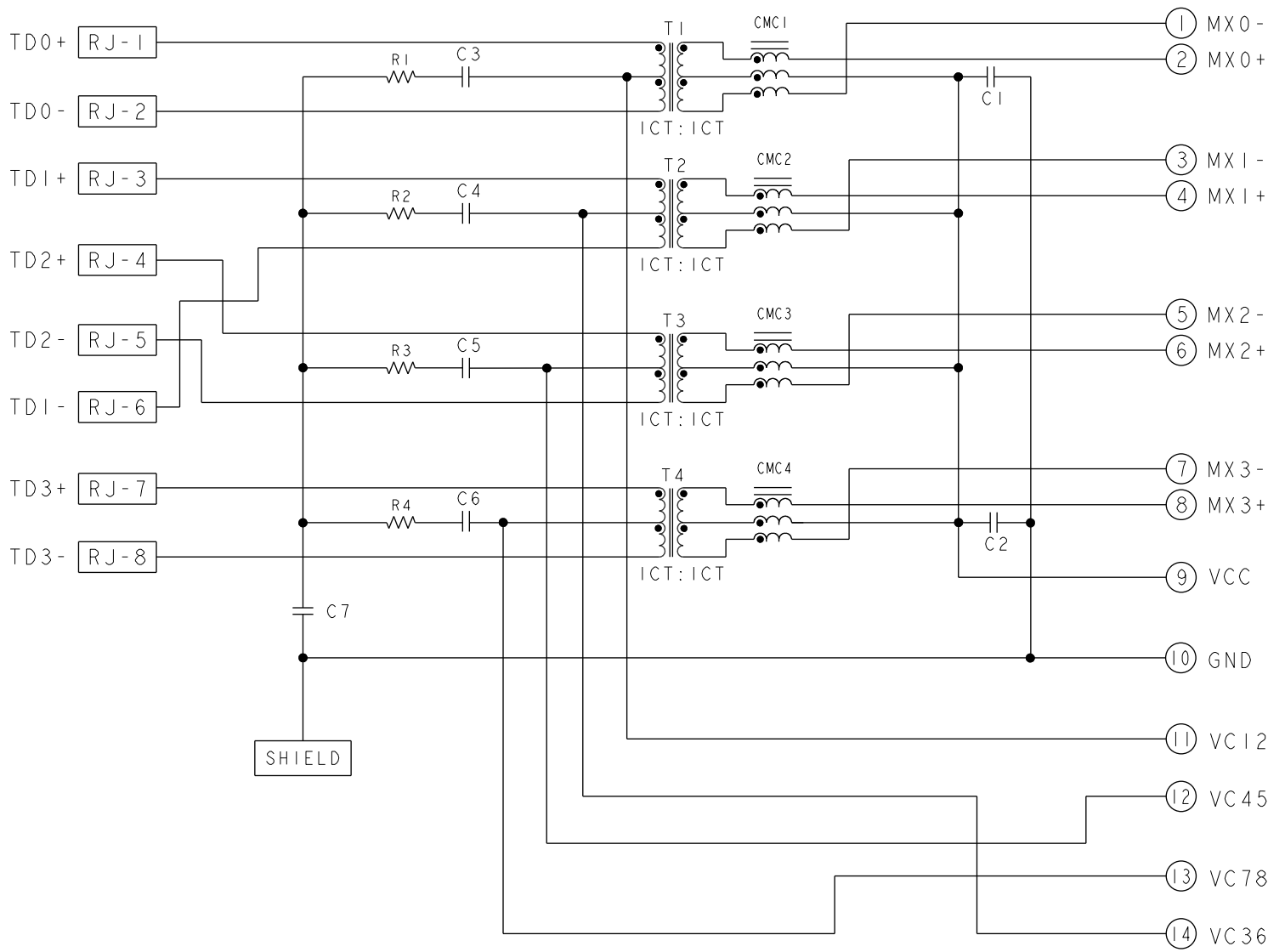




S9UFG02ET 5G 4PPOE CIRCUIT

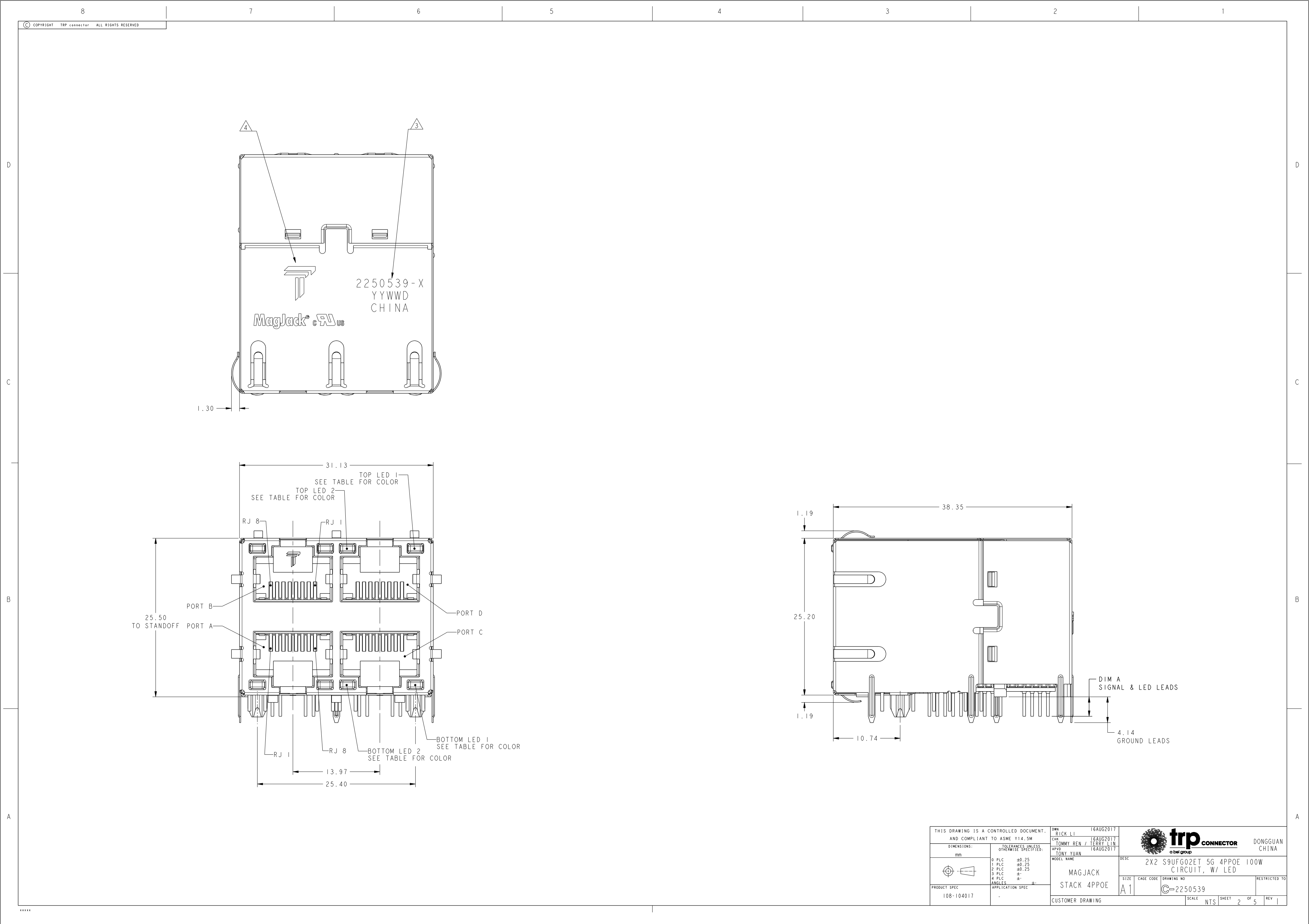
TOP AND BOTTOM PORTS

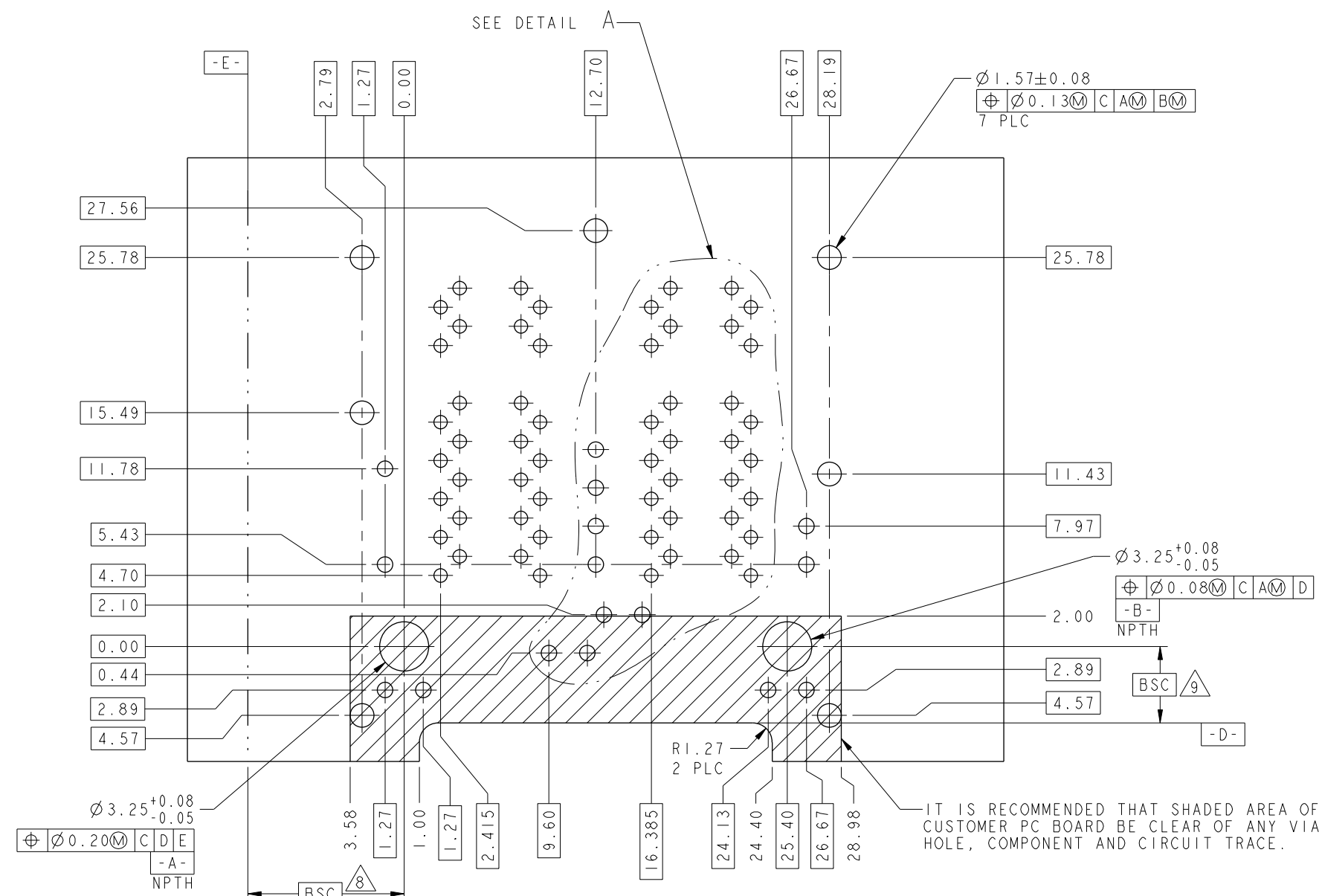


C1-C2 =10nF, 50V, X7R,CAPACITORS
C3-C6 =22nF, 100V, CAPACITORS
C7 =1000pF, 2kV, CAPACITOR
R1-R4 =75 Ohms, 1/16W, RESISTORS

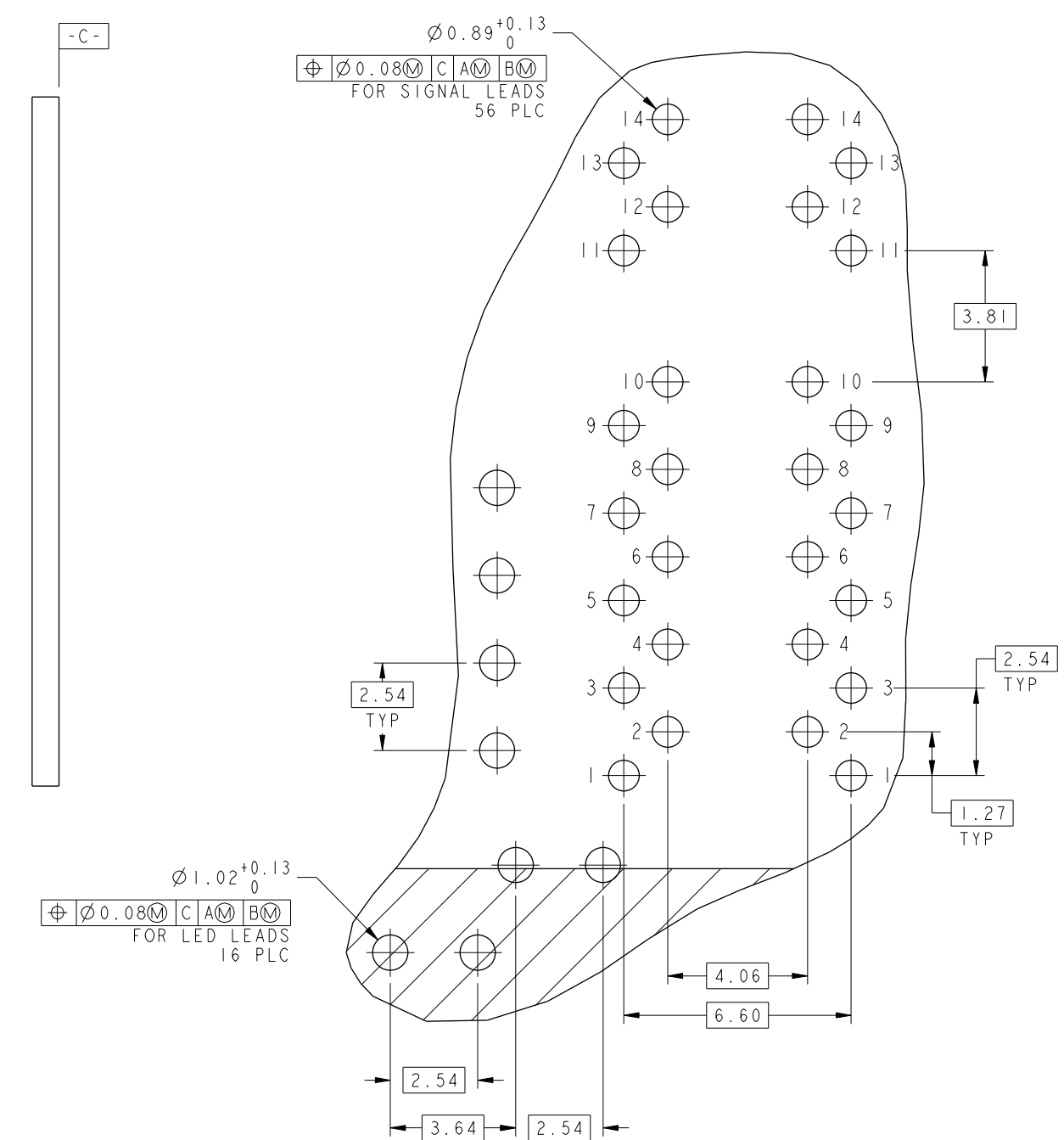
1. MATERIALS:
PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
POST DIPPED WITH 2.54um MIN SAC SOLDER OR PURE TIN SOLDER DIP
ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE AND
2.54um MIN MATTE TIN ON SOLDER TAILS.
LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME TAILS OF LED
ARE PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL
UNDERPLATE OVER 1.02um MIN COPPER UNDERPLATE. POST-PLATED WITH
2.54um MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP
2. MAGNETICS
APPLICATION: 5G BASE-T, 4PPOE
IMPEDANCE: 100 OHMS
TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
OPEN CIRCUIT INDUCTANCE (OCL):
ALL CHANNELS 180uH MIN @ 100KHz, 0.1 VRMS WITH 8mA DC BIAS FROM -40°C TO 85°C
120uH MIN @ 100KHz, 0.1 VRMS WITH 23mA DC BIAS FROM -40°C TO 85°C
ALL FOUR PAIRS BI-DIRECTIONAL
POE CURRENT: 1A DC MAX
PERFORMANCE @ 25°C, PLEASE REFER TO SEPARATE SHEET.
ISOLATION VOLTAGE: 2250VDC(MAX) FOR 60 SECONDS WITH A RISE TIME OF
500V/SEC AND WITH ALL PORTS CONNECTED.
3. PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE
LOCATED IN APPROXIMATE AREA SHOWN.
DATE CODE: YYWW WHERE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY
OF WEEK, WITH SUNDAY =1
4. TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO ARE
LOCATED IN APPROXIMATE AREA SHOWN.
5. OPERATING TEMP: FROM -40°C TO 85°C.
6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
7. INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND
SUPPORT AUTO-MDI/MDIX.
8. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
9. BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE
GREATER THAN 5.08mm.
10. LEDs ARE 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): ORANGE 605 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA
11. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

2.30	GREEN/ORANGE	GREEN/ORANGE	GREEN/ORANGE	GREEN/ORANGE	2250539-1
DIM A	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT, AND COMPLIANT TO ASME Y14.5M		DWN RICK LI 16AUG2017	 trp CONNECTOR a bel group DONGGUAN CHINA		
DIMENSIONS: mm		CHK TOMMY REN / TERRY LIN 16AUG2017			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TONY YUAN 16AUG2017			
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC		MODEL NAME MAGJACK STACK 4PPOE			
PRODUCT SPEC 108-104017	APPLICATION SPEC -	DESC 2X2 S9UFG02ET 5G 4PPOE 100W CIRCUIT, W/ LED	SIZE A1	CAGE CODE C=2250539	RESTRICTED TO
CUSTOMER DRAWING			SCALE NTS	SHEET 1	OF 5
			REV 1		

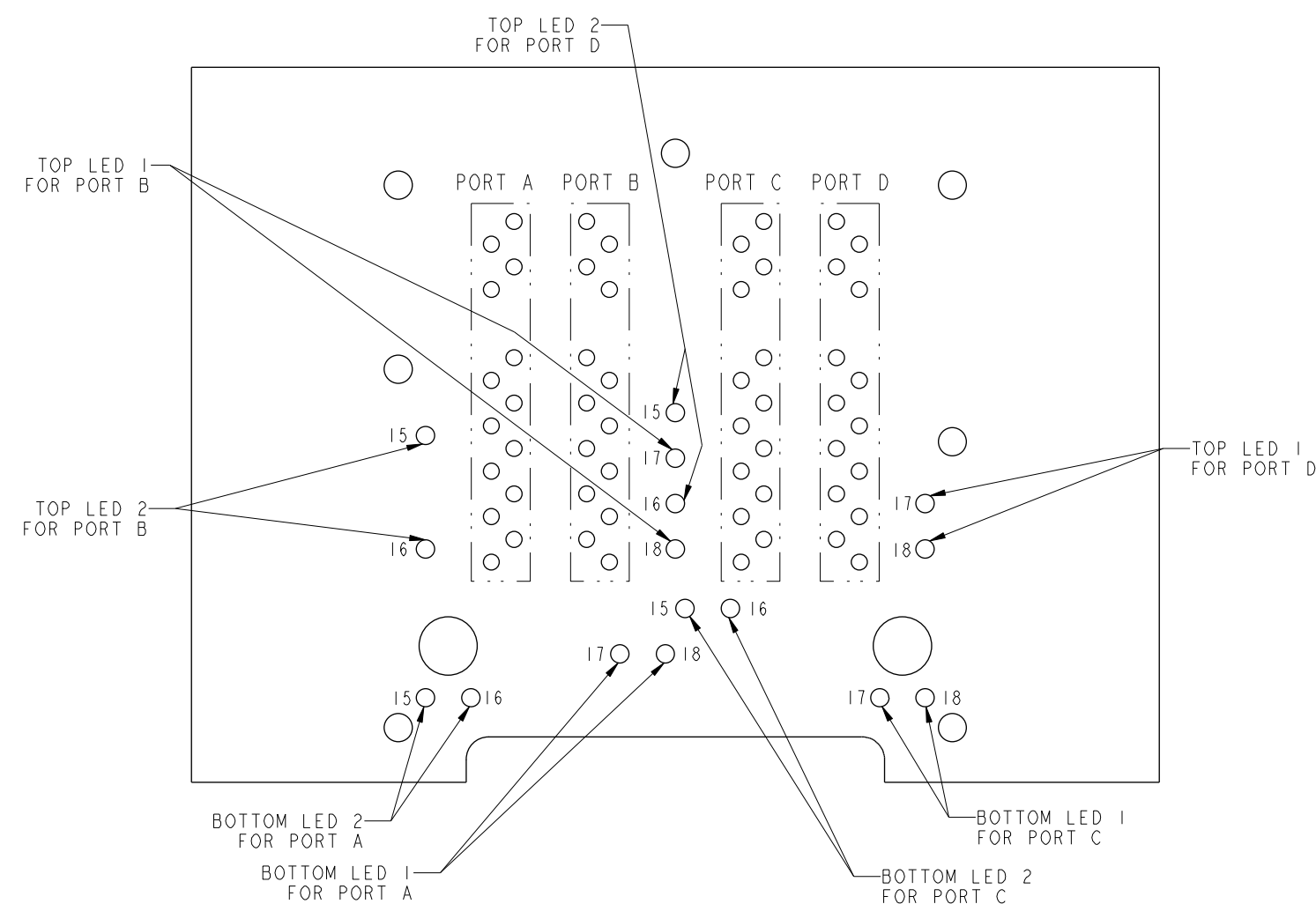




RECOMMENDED PCB LAYOUT
COMPONENT SIDE VIEW

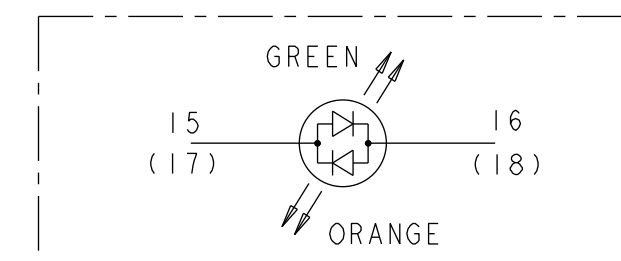


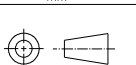
DETAIL A
SCALE 8:1

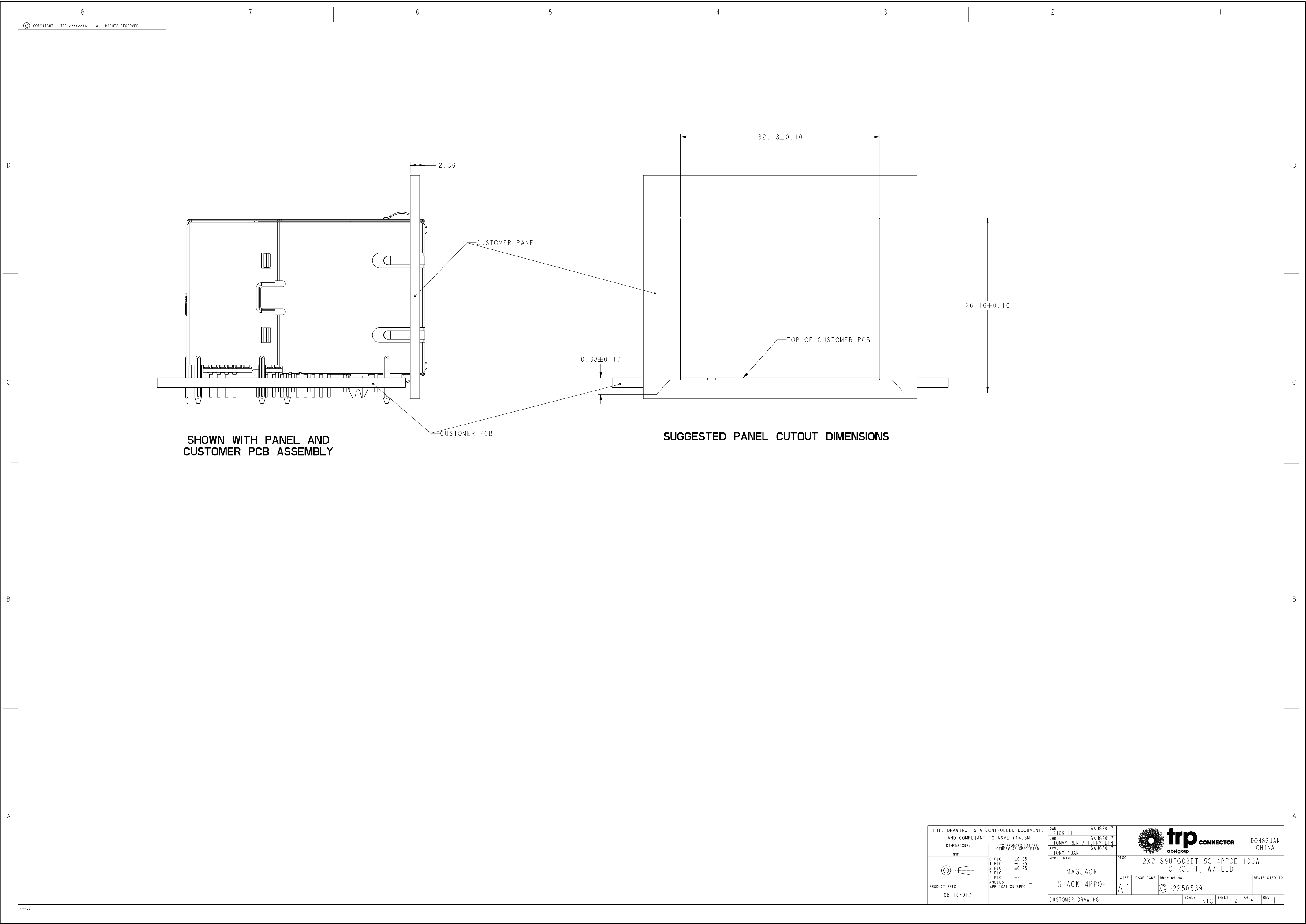


PORT ASSIGNMENT & LED HOLE DESIGNATIONS
COMPONENT SIDE VIEW

BI-COLOR LED



THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN RICK LI 16AUG2017	 trp CONNECTOR a bel group DONGGUAN CHINA	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK TOMMY REN / TERRY LIN 16AUG2017 APPV TONY YUAN 16AUG2017		
	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±	MODEL NAME MAGJACK STACK 4PPOE	DESC 2X2 S9UFG02ET 5G 4PPOE 100W CIRCUIT, W/ LED	RESTRICTED TO
PRODUCT SPEC 108-104017	APPLICATION SPEC -	SIZE A1	CAGE CODE C=2250539	SCALE NTS
CUSTOMER DRAWING		SHEET 3	OF 5	REV 1



THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN RICK LI 16AUG2017	 trp CONNECTOR a bel group DONGGUAN CHINA	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK TOMMY REN / TERRY LIN 16AUG2017		
mm	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±	APPROV TONY YUAN 16AUG2017	MODEL NAME MAGJACK STACK 4PPOE	
PRODUCT SPEC 108-104017	APPLICATION SPEC -	DESC 2X2 S9UFG02ET 5G 4PPOE 100W CIRCUIT, W/ LED	SIZE A1	RESTRICTED TO
CUSTOMER DRAWING		SCALE NTS	SHEET 4	OF 5
		REV 1		

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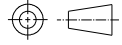
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2250539					STOCK DISPOSITION			
2X2 S9UFG02ET 5G 4PPOE 100W CIRCUIT, W/ LED					A: CONTINUE AS IS D: USE OLD FIRST B: REWORK E: PARTS TO CONFORM C: SCRAP F: OTHER			
REVISION HISTORY								
DATE	REV	CHANGES	REASON	APPROVAL	INVENTORY (A,B,C,D,E,F)	WORK IN PROCESS (A,B,C,F)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)
16AUG2017	I	-	INITIAL RELEASE	TY	-	-	-	-

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

DIMENSIONS:
mm



PRODUCT SPEC
108-104017

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±
4 PLC ±
ANGLES ±
APPLICATION SPEC -

OWN: RICK LI 16AUG2017
CHK: TOMMY REN / TERRY LIN 16AUG2017
APPR: TONY YUAN 16AUG2017

MODEL NAME
MAGJACK
STACK 4PPOE

SIZE
A1

CAGE CODE
C=2250539

DRAWING NO
CUSTOMER DRAWING

 **trp** CONNECTOR
a bel group

DONGGUAN
CHINA

DESC
2X2 S9UFG02ET 5G 4PPOE 100W
CIRCUIT, W/ LED

RESTRICTED TO

SCALE NTS SHEET 5 OF 5 REV I