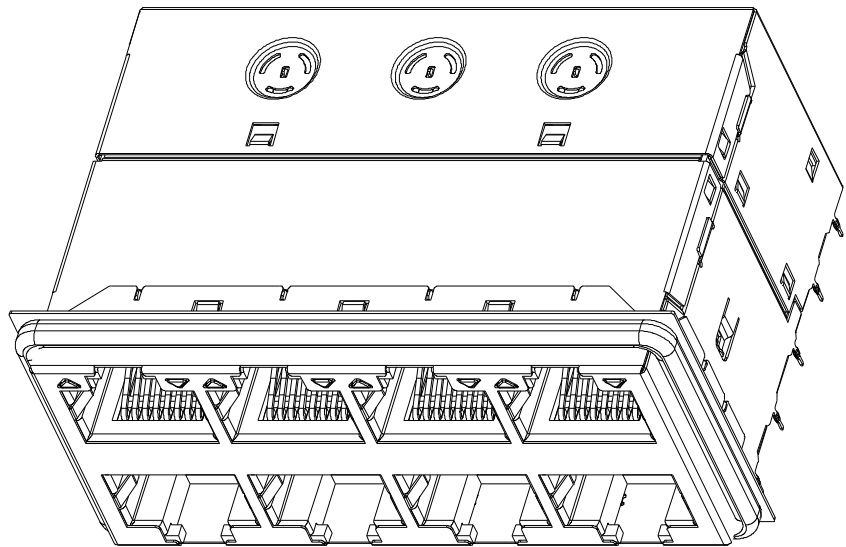
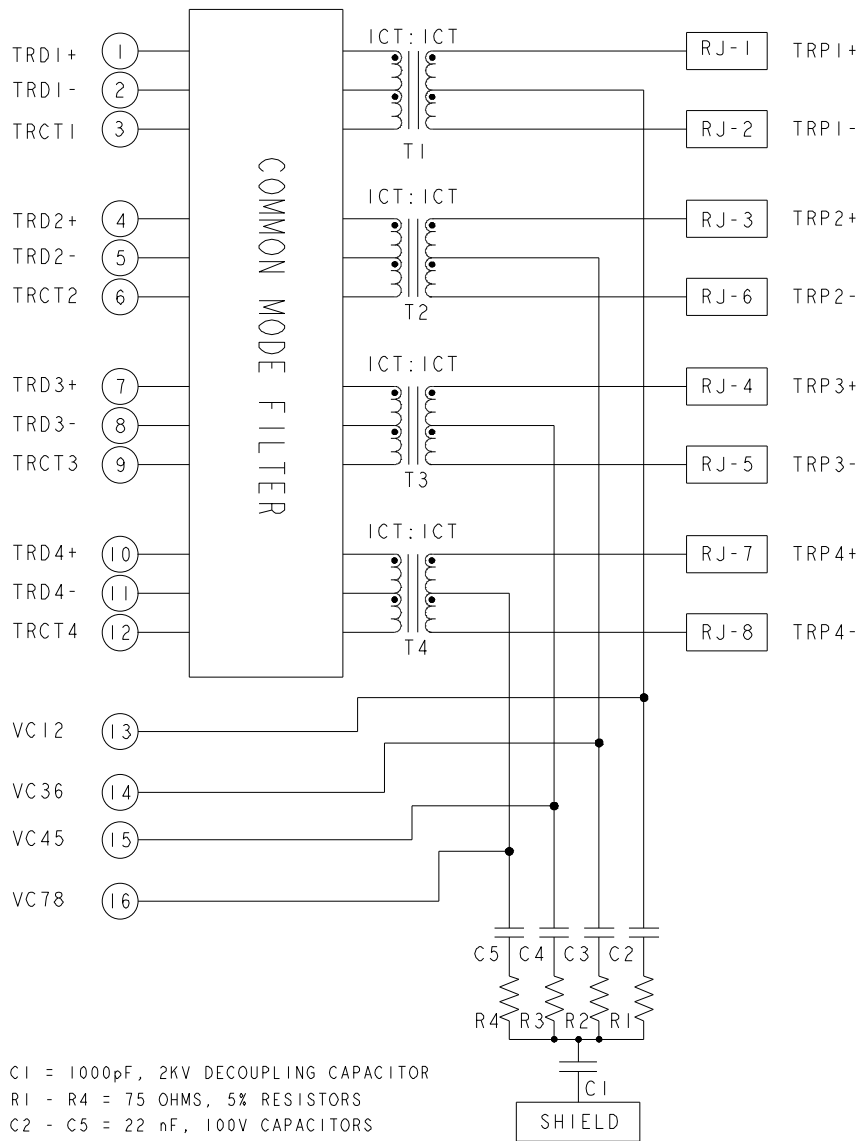




S9HTG08ET 10G 4PPoE CIRCUIT



C1 = 1000pF, 2KV DECOUPLING CAPACITOR
R1 - R4 = 75 OHMS, 5% RESISTORS
C2 - C5 = 22 nF, 100V CAPACITORS

1. MATERIALS
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
SHIELD: NICKEL OR TIN PLATED ON COPPER ALLOY
COMPLIANT PIN: PHOSPHOR BRONZE, PLATED WITH 2.54um MIN MATTE TIN OVER 1.27um MIN NICKEL
CONTACT: PHOSPHOR BRONZE, WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
2. MAGNETICS
- APPLICATION: 1G/2.5G/5G/10G BASE-T, EXTENDED TEMPERATURE
- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
- OPEN CIRCUIT INDUCTANCE (OCL): 120uH MIN @100kHz, 0.1VRMS, 19mA DC BIAS, FROM -40°C TO 85°C.
ALL FOUR PAIRS
- ALL FOUR PAIRS BI-DIRECTIONAL
- PoE CURRENT: 600mADC
- PERFORMANCE @ 25°C (WHERE f IS FREQUENCY IN MHZ)
(a) INSERTION LOSS (IL):
1 MHZ TO 400 MHZ -0.5-1.3*(f-1)/400 dB MIN
(b) RETURN LOSS (RL):
1 MHZ TO 100 MHZ -17 dB MAX
100 MHZ TO 500 MHZ -17 + 20.75LOG10(f/100) dB MAX
(c) CROSSTALK ATTENUATION:
1 MHZ TO 500 MHZ -20 dB MAX
(d) COMMON MODE REJECTION:
1 MHZ TO 500 MHZ -16 dB MAX
- ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC, WITH ALL PORTS CONNECTED.
3. THE MAGNETIC CIRCUIT ON ALL FOUR CHANNELS IS SYMMETRICAL AND SUPPORTS AUTO-MDIX OPERATION.
4. OPERATING TEMPERATURE: -40°C - 85°C.
5. DATUM Y AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AGENCY APPROVAL MARKING IN APPROPRIATE LOCATION SHOWN.
DATE CODE: YYWW WHERE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY= 1
8. PANEL SEATING LOCATION WITH RESPECT TO CUSTOMER PCB EDGE.
9. THE FINISHED GOODS IS WITHOUT SMD LED, THE SMD LED IS PROVIDED BY CUSTOMER HERSELF, AND THE SMD LED IS MOUNTED ON CUSTOMER PCB.
10. FOR HOLE SIZE AND PLATINGS, SEE SHEET 4.

2250925-1
PART NUMBER

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 ±0.25
4 PLC ±
ANGLES
APPLICATION SPEC

APPROVALS:
DWN: CLOUD ZENG/TERRY LIN
CHK: RICK LI/BILL LIU
APVD: TONY YUAN

MODEL NAME
MAGJACK
STACK 4PPoE

Customer Drawing

SCALE
NTS

SHEET
1

OF
6

REV
1

19JUL2024
19JUL2024
19JUL2024

trp CONNECTOR
DONGGUAN CHINA

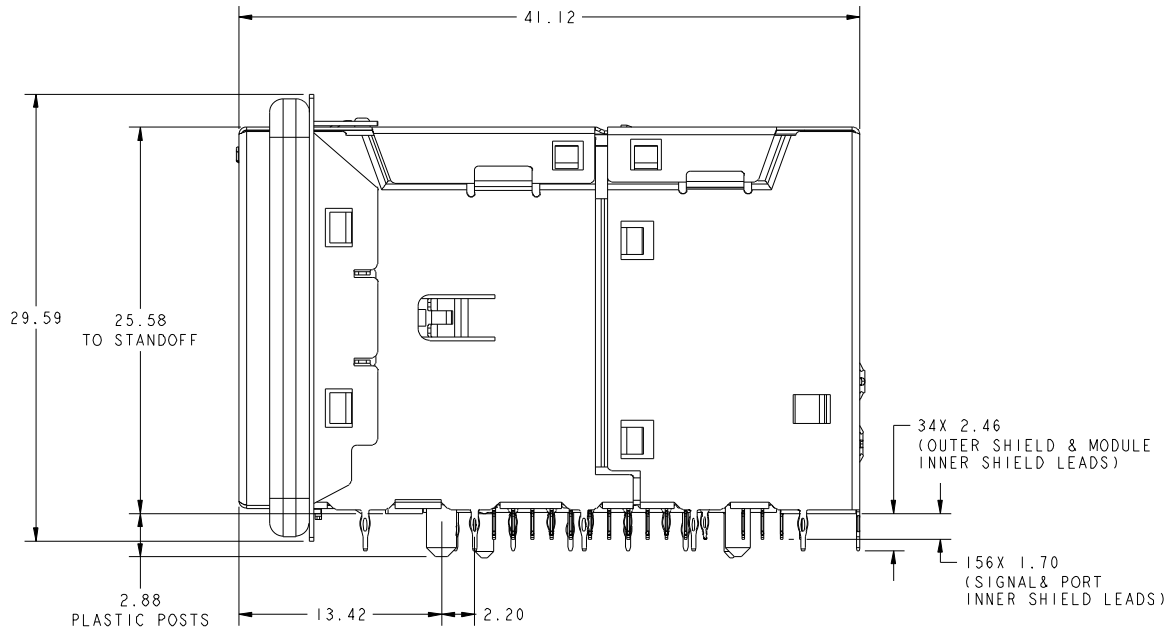
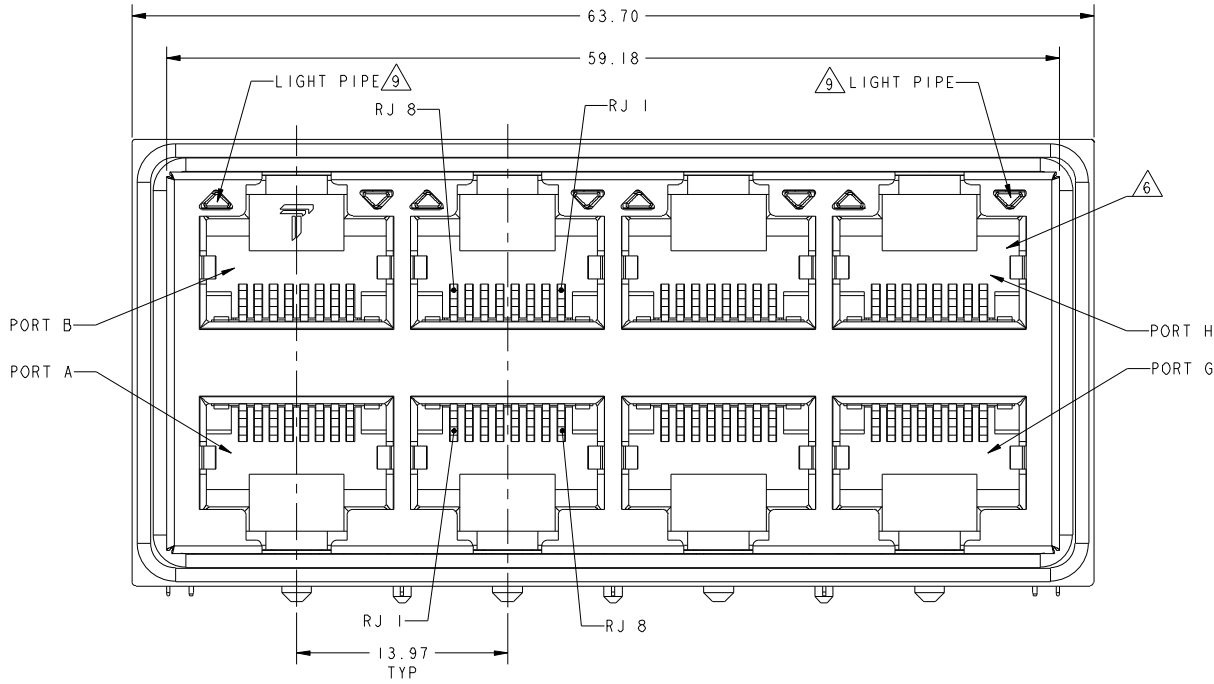
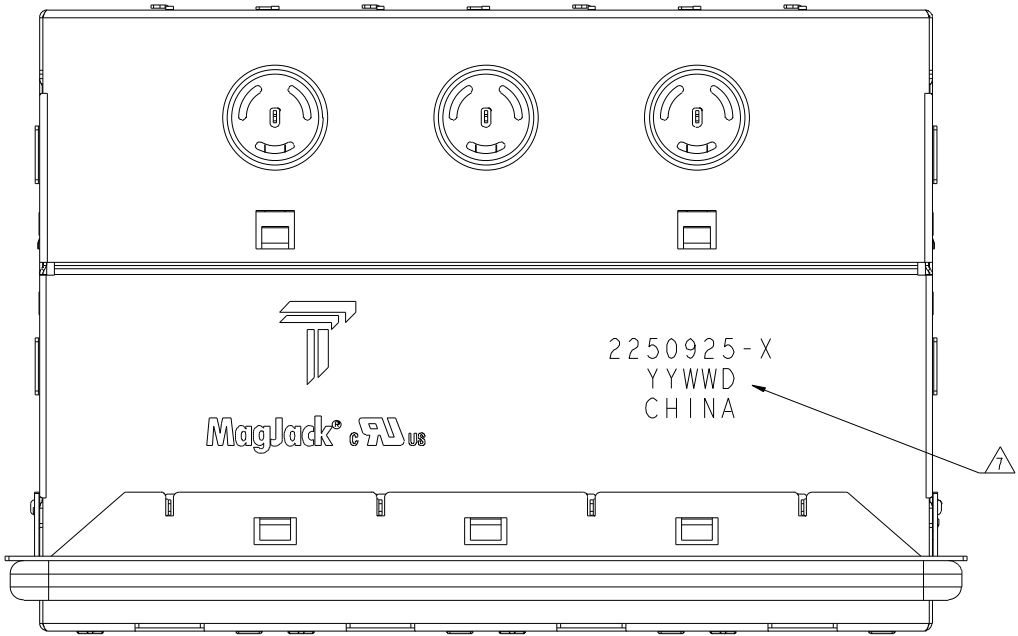
DESC
2X4, S9HTG08ET 10G 4PPoE
CIRCUIT PRESS FIT, WITH LIGHT PIPE

SIZE
A1

CAGE CODE
C=2250925

RESTRICTED TO
-

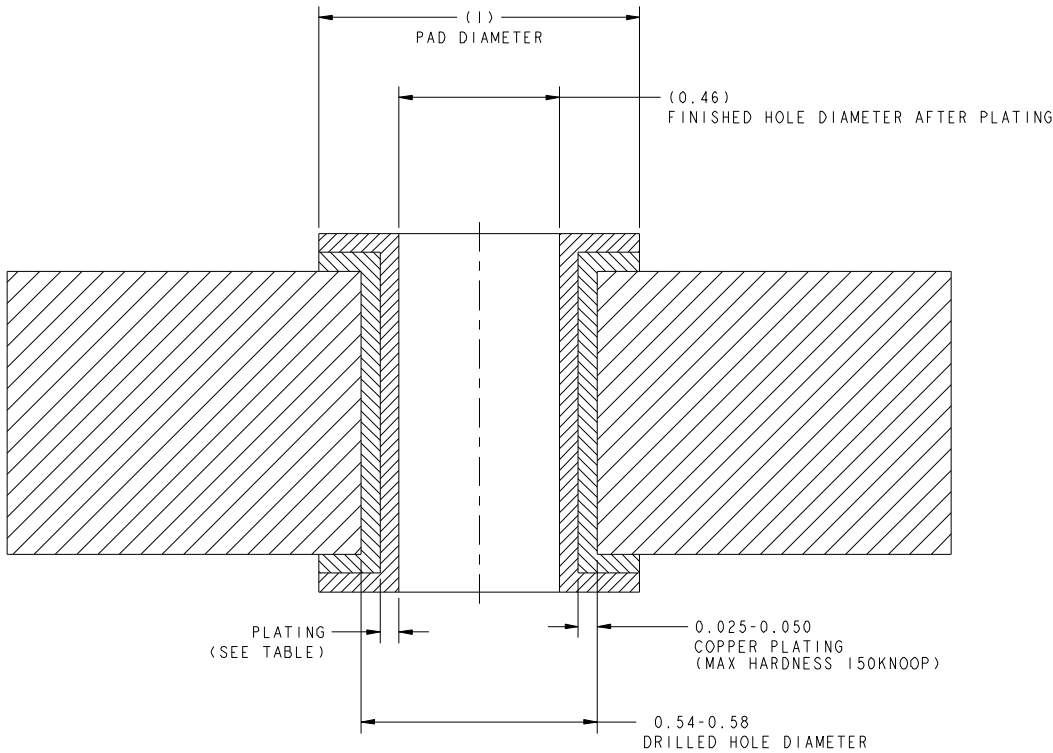
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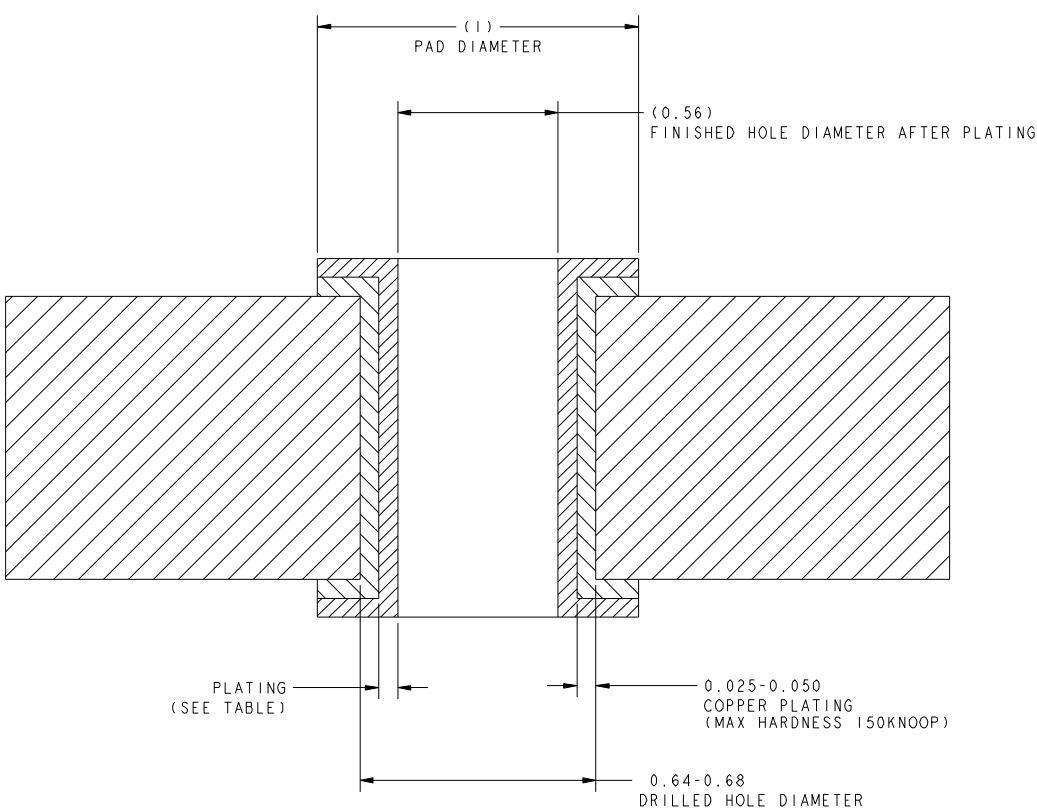
THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN CLOUD ZENG/TERRY LIN 19JUL2024	 trp CONNECTOR DONGGUAN CHINA	
DIMENSIONS: mm		CHK RICK LI/BILL LIU 19JUL2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TONY YUAN 19JUL2024	MODEL NAME MAGJACK STACK 4PPoE	
PRODUCT SPEC 108-104017		DESC 2X4, S9HTG08ET IOG 4PPoE CIRCUIT PRESS FIT, WITH LIGHT PIPE		RESTRICTED TO -
ANGLES APPLICATION SPEC		SIZE A1		REV 1
Customer Drawing		SCALE NTS		SHEET 2 OF 6

[illegible]

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN 19JUL2024 CLOUD ZENG/TERRY LIN RICK L/BRILL L/IN APVD TONY YUAN 19JUL2024		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME MAGJACK STACK 4PP0E		DESC 2X4, 59HTG08ET 10G 4PP0E CIRCUIT PRESS FIT, WITH LIGHT PIPE	
		0 P L/C ±0.25 1 P L/C ±0.25 2 P L/C ±0.25 3 P L/C ±0.25 4 P L/C ±0.25 ANGLES ± APPLICATION SPEC		SIZE A1 CAGE CODE DRAWING NO C=2250925		RESTRICTED TO REV 1	
PRODUCT SPEC 108-104017		SCALE NTS SHEET 3 OF 6		Customer Drawing			



RECOMMENDED HOLE DIMENSIONS
FOR SIGNAL & INNER SHIELD CONTACTS



RECOMMENDED HOLE DIMENSIONS
FOR OUTER SHIELD CONTACTS

THICKNESS	PLATING
0.004-0.010	HOT AIR SOLDER LEVELING (HASL) TIN-LEAD (Sn Pb)
0.0005-0.001	IMMERSION TIN (Sn)
0.0002-0.0005	ORGANIC SOLDERABILITY PRESERVATIVE (OSP)
0.0001-0.0005 Au, 0.004-0.0076 Ni	IMMERSION GOLD (Au) OVER NICKEL (Ni) (ENIG)
0.010-0.025	TIN LEAD PLATING (Sn Pb)
0.0001-0.00015	IMMERSION SILVER (Ag)

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AND COMPLIANT TO ASME Y14.5M

DIMENSIONS:
mm

PRODUCT SPEC
108-104017

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

DWN
CLOUD ZENG/TERRY LIN
19JUL2024

CHK
RICK LI/BILL LIU
19JUL2024

APVD
TONY YUAN
19JUL2024

MODEL NAME
MAGJACK
STACK 4PPoE

DESC
2X4, S9HTG08ET 10G 4PPoE
CIRCUIT PRESS FIT, WITH LIGHT PIPE

SIZE
A1

CAGE CODE
C=2250925

DRAWING NO
-

RESTRICTED TO
-

Customer Drawing

SCALE
NTS

SHEET
4

OF
6

REV
1

trp CONNECTOR
DONGGUAN CHINA

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D

D

C

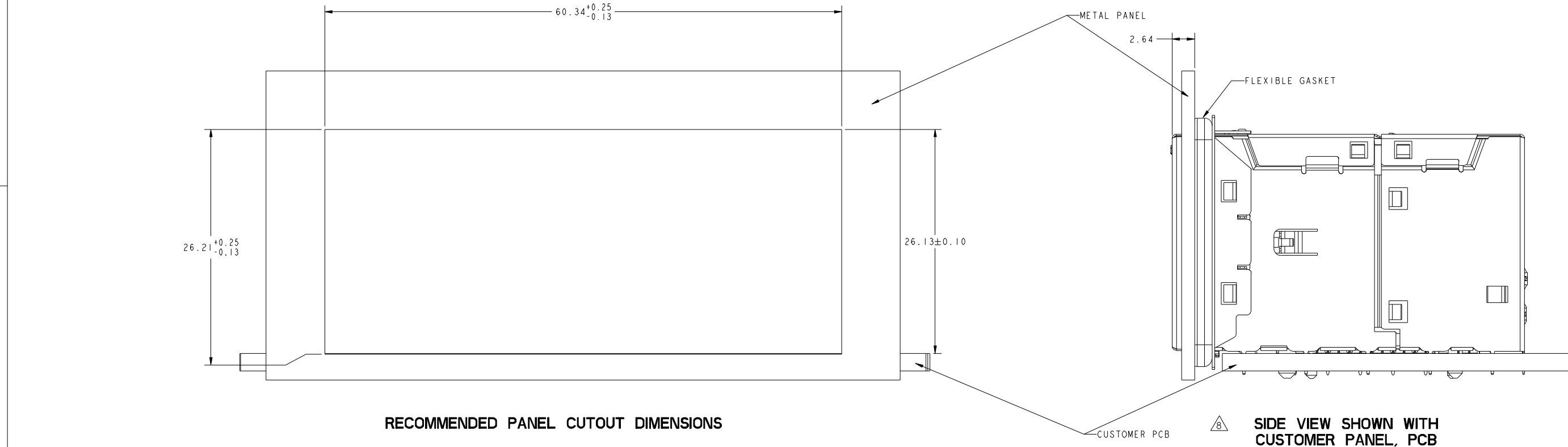
C

B

B

A

A



RECOMMENDED PANEL CUTOUT DIMENSIONS

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN CLOUD ZENG/TERRY LIN 19JUL2024	 trp CONNECTOR DONGGUAN CHINA	
DIMENSIONS: mm		CHK RICK LI/BILL LIU 19JUL2024		
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DESC 2X4, S9HTG08ET IOG 4PPoE CIRCUIT PRESS FIT, WITH LIGHT PIPE	
	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±°		SIZE A1	
PRODUCT SPEC 108-104017		MODEL NAME MAGJACK STACK 4PPoE		RESTRICTED TO -
APPLICATION SPEC -		DRAWING NO C=2250925		
Customer Drawing			SCALE NTS	SHEET 5 OF 6
			REV 1	

D

D

C

C

B

B

A

A

2250925					STOCK DISPOSITION			
2X4, S9HTG08ET 10G 4PPoE CIRCUIT, PRESS FIT, WITH LIGHT PIPE					A: CONTINUE AS IS B: REWORK C: SCRAP		D: USE OLD FIRST E: PARTS TO CONFORM 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)
19JUL2024	I	-	INITIAL RELEASE	TONY YUAN	-	-	-	-

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

DIMENSIONS:
mm



PRODUCT SPEC
108-104017

APPLICATION SPEC
-

OWN
CLOUD ZENG/TERRY LIN
19JUL2024

CHK
RICK LI/BILL LIU
19JUL2024

APVD
TONY YUAN
19JUL2024

MODEL NAME
MAGJACK
STACK 4PPoE

DESC
2X4, S9HTG08ET 10G 4PPoE
CIRCUIT PRESS FIT, WITH LIGHT PIPE

SIZE
A1

CAGE CODE

DRAWING NO
2250925

RESTRICTED TO
-

SCALE
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6

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trpCONNECTOR

QI DEI GROUP

DONGGUAN
CHINA

Customer Drawing