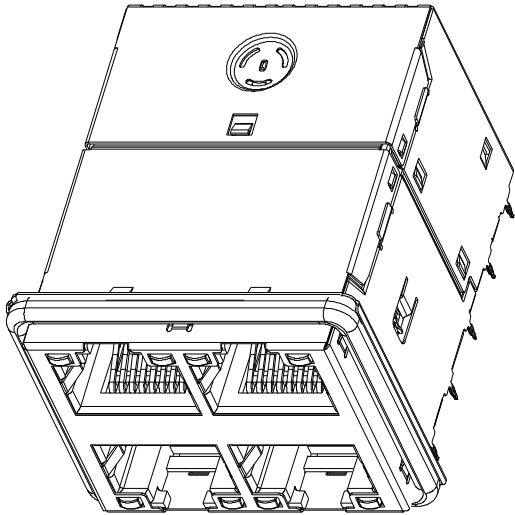


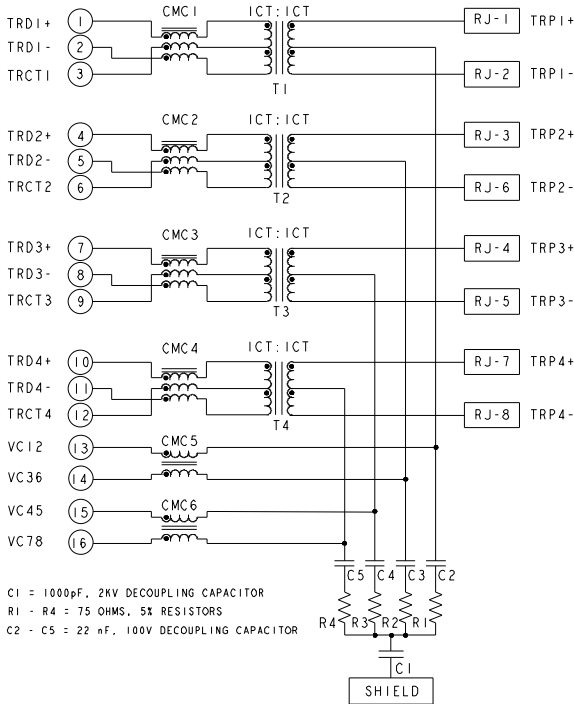
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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				
REV	DATE	DESCRIPTION	BY	APPD
1	19JUL2024	INITIAL RELEASE	CZ	TY



S9UTG04ET 10 GIGABIT 100W 4PPOE CIRCUIT



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

- △ MAGNETICS
- APPLICATION: 1G/2.5G/5G/10G BASE-T, 4PPoE EXTENDED TEMPERATURE
- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP: CABLE): 1:1 ALL FOUR PAIRS
- OPEN CIRCUIT INDUCTANCE (OCL): 160uH MIN @ 100kHz, 0.1VRMS, 8mA DC BIAS, ALL FOUR PAIRS. 120uH MIN @ 100kHz, 0.1VRMS, 23mA DC BIAS, ALL FOUR PAIRS.
- ALL FOUR PAIRS BI-DIRECTIONAL
- PoE CURRENT: 1A DC MAX FOR ONE PAIR
- 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.

- △ THE MAGNETIC CIRCUIT ON ALL FOUR CHANNELS IS SYMMETRICAL AND SUPPORTS AUTO-MDIX OPERATION.

4. OPERATING TEMPERATURE: -40°C - 85°C.

- △ DATUM Y AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

- △ RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

- △ 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

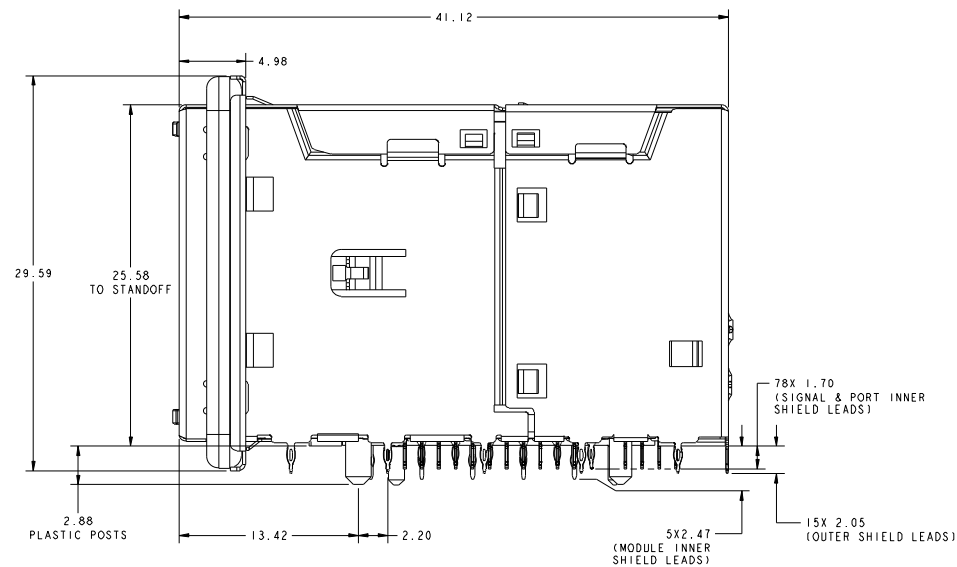
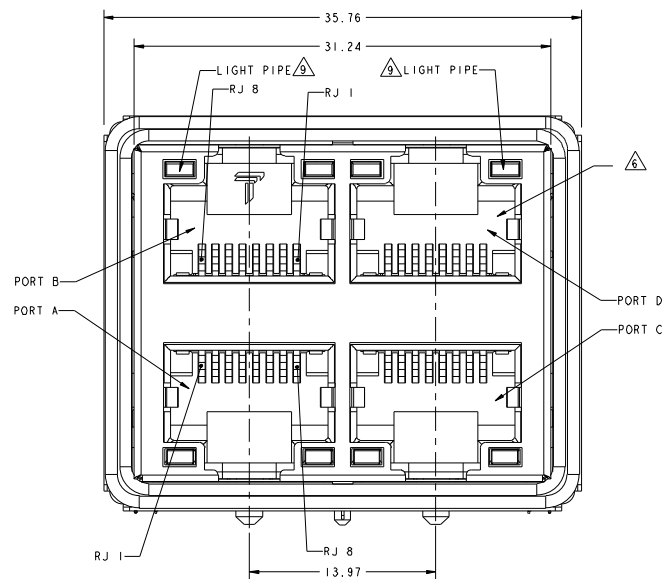
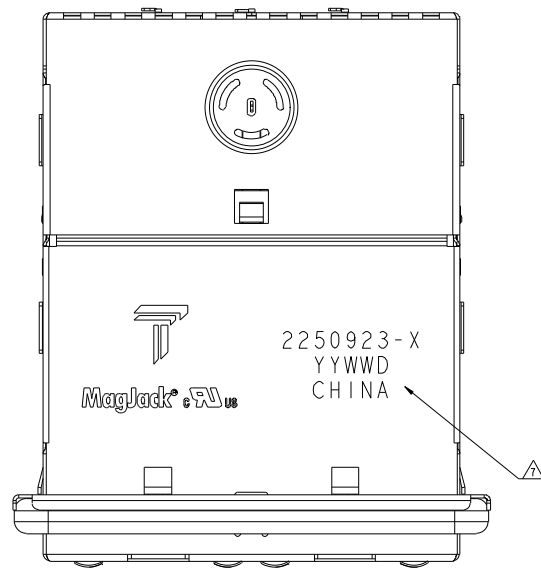
- △ PANEL SEATING LOCATION WITH RESPECT TO CUSTOMER PCB EDGE.


- △ THE FINISHED GOODS IS WITHOUT SMD LED, THE SMD LED IS PROVIDED BY CUSTOMER HERSELF, AND THE SMD LED IS MOUNTED ON CUSTOMER PCB.

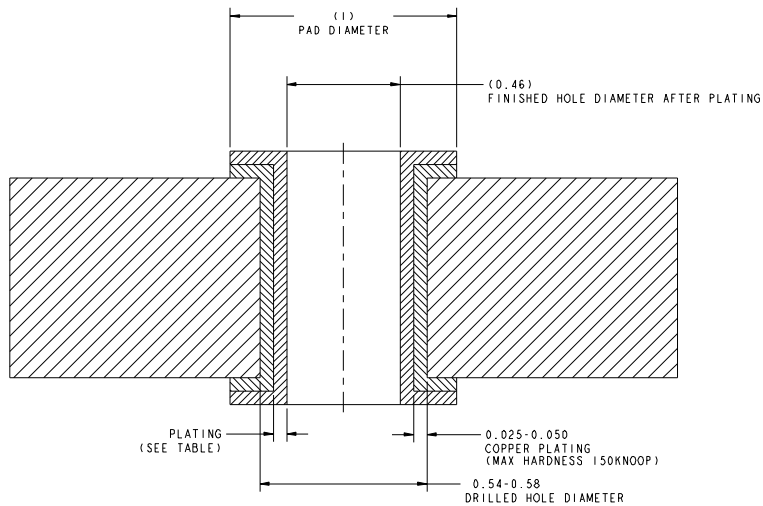
- △ FOR HOLE SIZE AND PLATINGS, SEE SHEET 4.

2250923-1
PART NUMBER

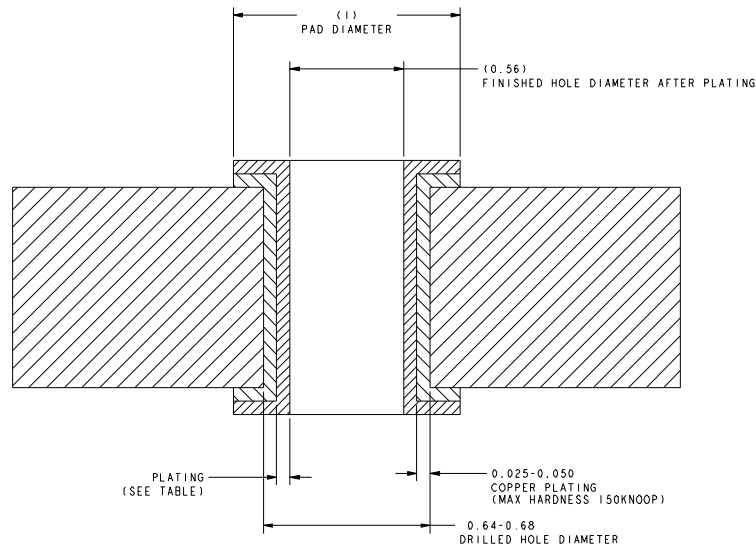
THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DATE: 19JUL2024 DRAWN: CLOUD ZENG / TERRY LIM CHK: RICK LI / RICK LI APPD: JONY YUAN	trp CONNECTOR DONGGUAN CHINA	
DIMENSIONS: REF: 0 PLG A6-25 1 PLG A6-25 2 PLG A6-25 3 PLG A6-25 4 PLG A6-25	PRODUCT SPEC 100-104017	APPLICATION SPEC -	SCALE: 2X2, S9UTG04ET 10G 100W 4PPoE WITH LIGHT PIPE MAGJACK STACK 4PPoE CUSTOMER DRAWING	RESTRICTED TO A1 C=2250923 SHEET 1 OF 6 REV 1



THIS DRAWING IS A CONTROLLED DOCUMENT, AND COMPLIANT TO ASME Y14.5M		DATE: 15 JUL 2024 DRAWN BY: CLOUD ZENG / 15 JUL 2024 CHECKED BY: RICK LI / 15 JUL 2024 APPROVED BY: JINLY YUAN / 15 JUL 2024		 trp CONNECTOR DONGGUAN CHINA				
DIMENSIONS: mm	REVISIONS: REV. 1 REV. 2 REV. 3 REV. 4	PRODUCT SPEC 108-104017	MODEL NAME MAGJACK STACK 4PPoE	REVISIONS REV. 1 REV. 2 REV. 3 REV. 4	SIZE A1	CAGE CODE -	DRAWING NO. C=2250923	RESTRICTED TO -
CUSTOMER DRAWING		SCALE NTS	SHEET 2		OF 6		REV 1	



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)

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

DATE: 19 JUL 2024
DRAWN: CLOUD ZENG / 160411M
CHK: RICK LI / 01112024
APPD: TONY YUAN / 15 JUL 2024

REVISIONS:
REV 1: 19 JUL 2024
REV 2: 19 JUL 2024
REV 3: 19 JUL 2024
REV 4: 19 JUL 2024

PRODUCT SPEC: 100-104017
APPLICATION SPEC: -

MODEL NAME: MAGJACK
STACK 4PPoE

TRP CONNECTOR DONGGUAN CHINA

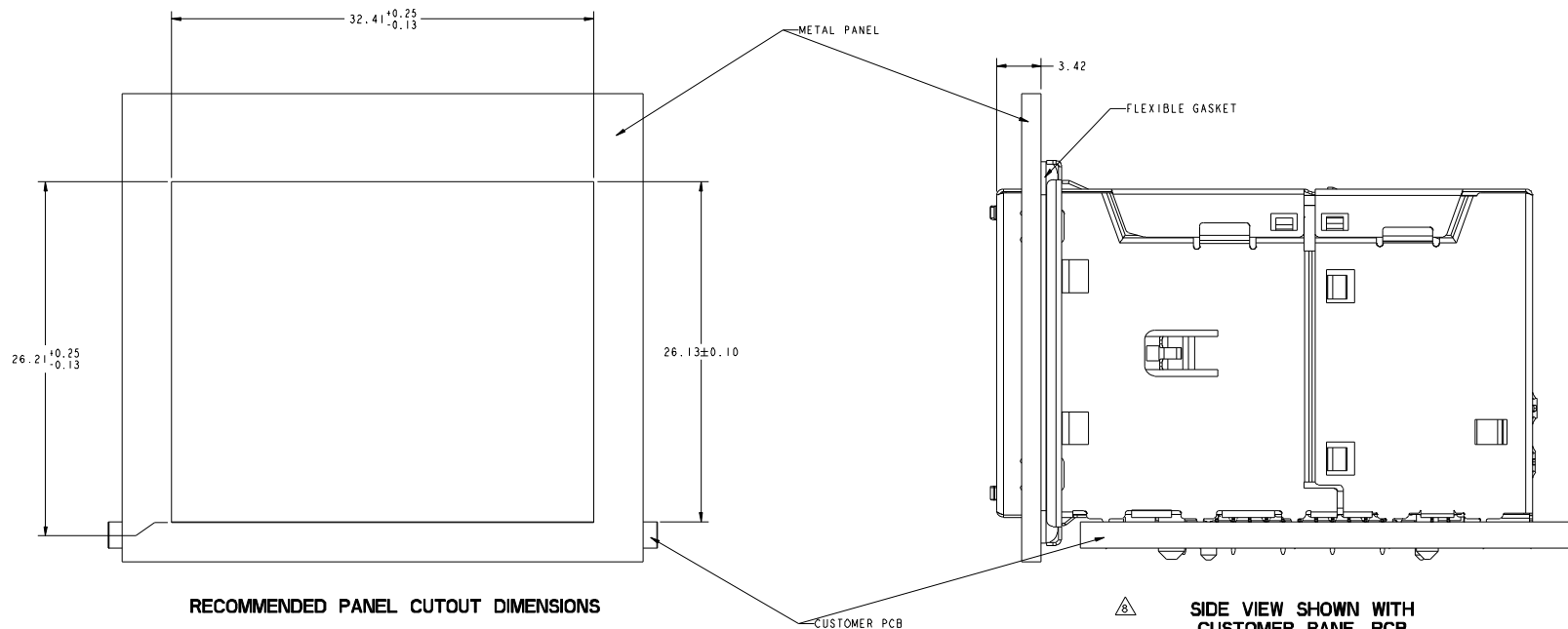
2X2, S9UTG04ET 10G 100W 4PPoE WITH LIGHT PIPE

SIZE: A1
CASE CODE: 2250923

RESTRICTED TO: -

CUSTOMER DRAWING

SCALE: NTS
SHEET: 4 OF 6
REV: 1



RECOMMENDED PANEL CUTOUT DIMENSIONS

SIDE VIEW SHOWN WITH
CUSTOMER PANE, PCB

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWG 19JUL2024 CLOUD ZENG / 16881 LIN CHK RICK LI / 811 APPD 15JUL2024 JINLY YUAN		trp CONNECTOR DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: mm		REVISIONS	
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