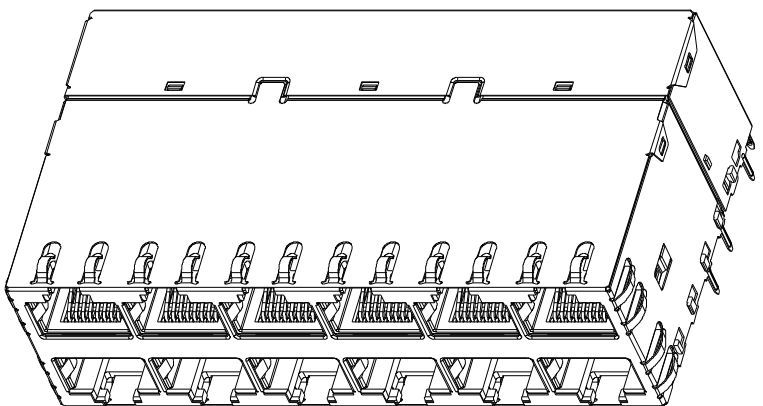


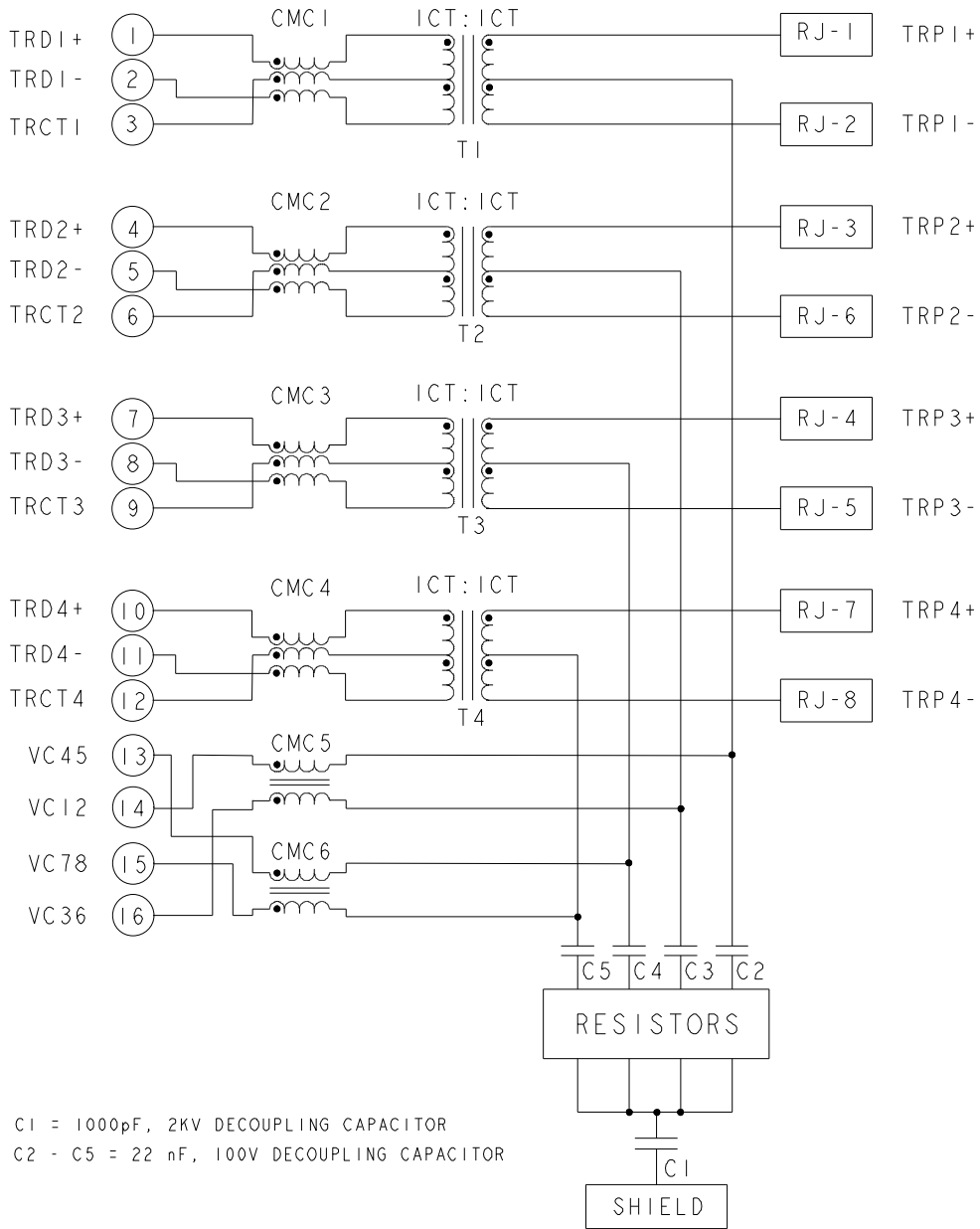
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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
#	LYR	DESCRIPTION	DATE	DWN
1		INITIAL RELEASE	22JUL2024	CZ



S9HTG09 10 GIGABIT 4PPOE CIRCUIT (TOP & BOTTOM PORTS)

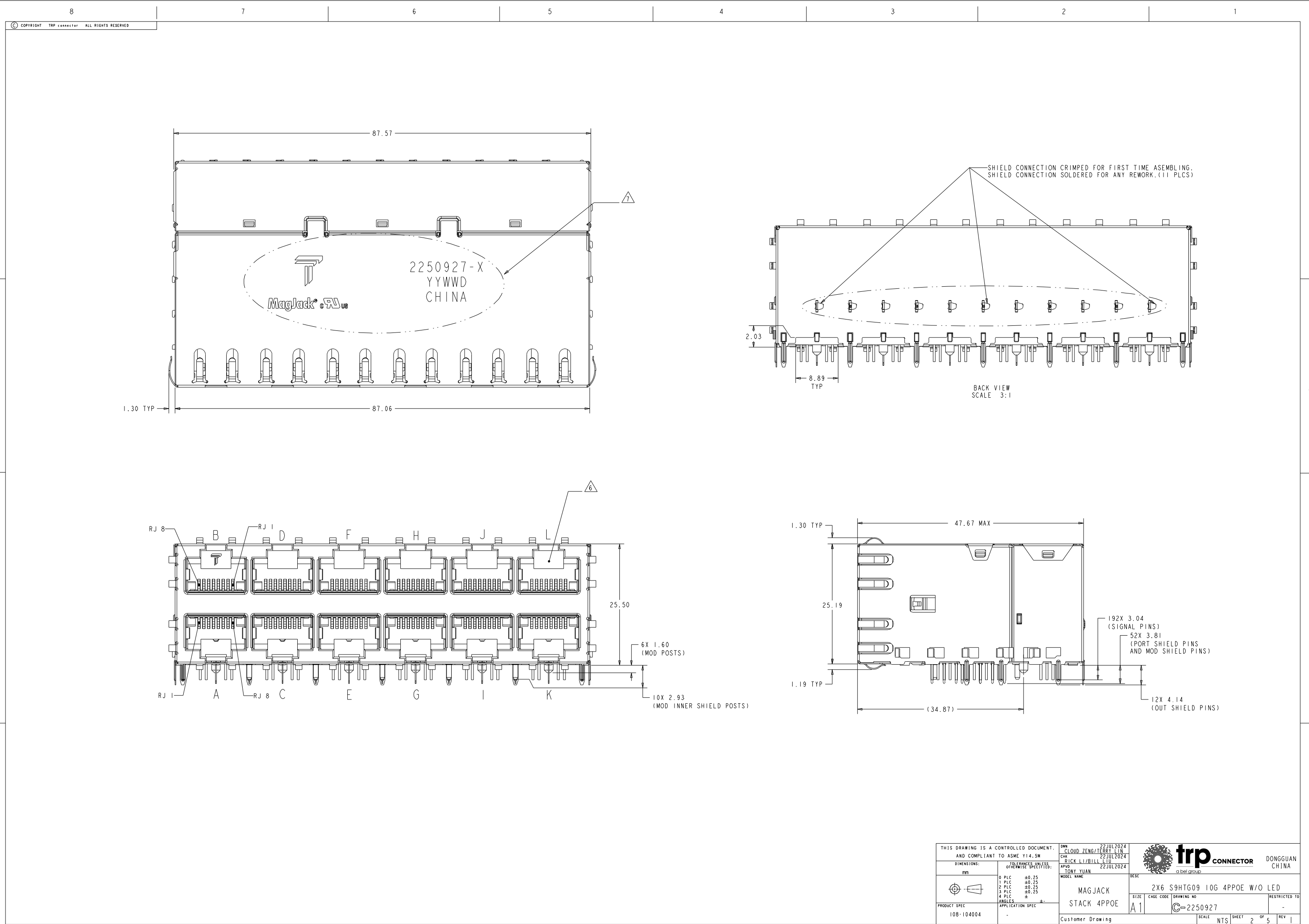


C1 = 1000pF, 2KV DECOUPLING CAPACITOR
C2 - C5 = 22 nF, 100V DECOUPLING CAPACITOR

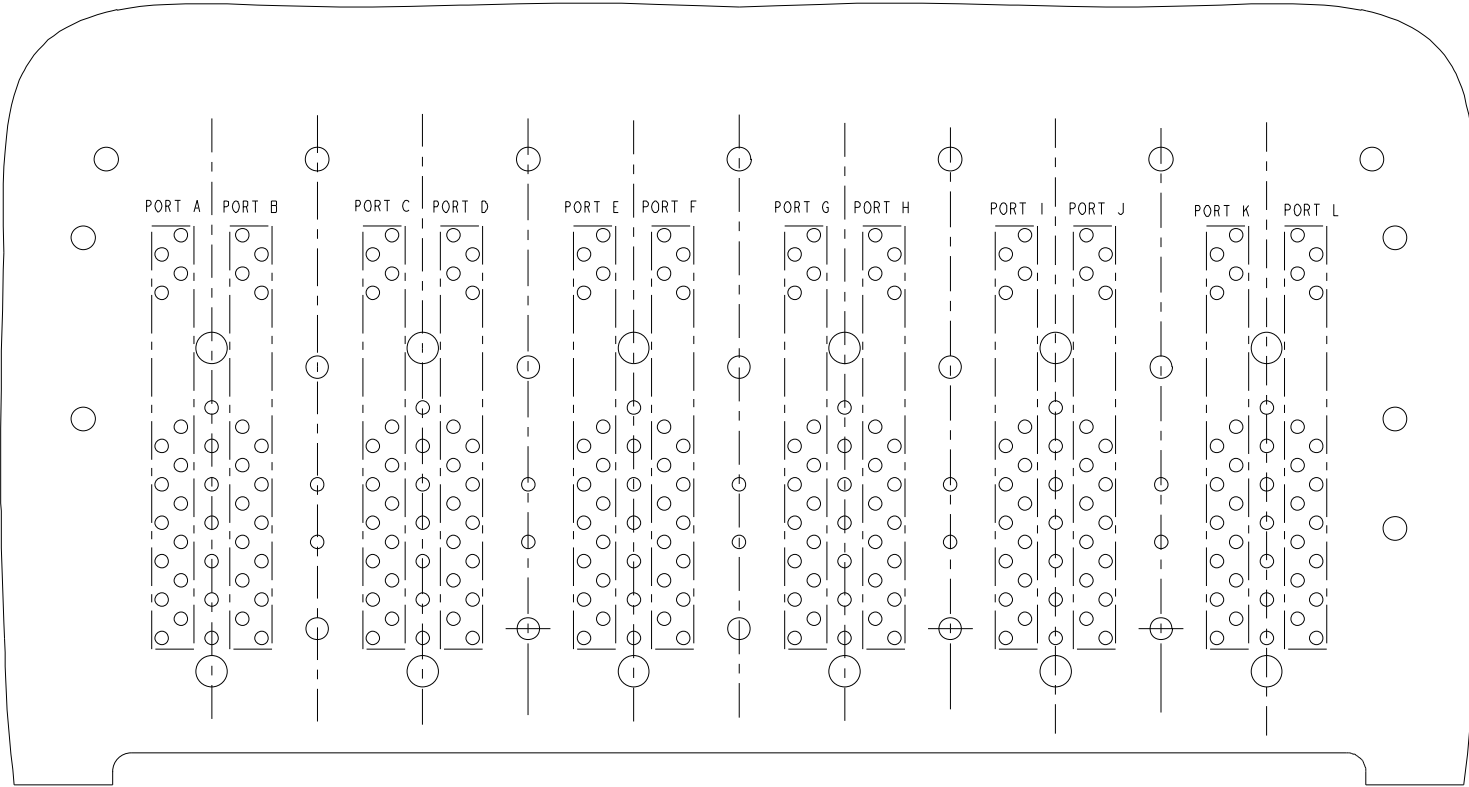
1. MATERIALS
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
SHIELD: COPPER BASE ALLOY, PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL, OR 0.20mm THICK STAINLESS STEEL
CONTACT: PHOSPHOR BRONZE, WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
2. MAGNETICS
- APPLICATION: 1G/10G BASE-T, ULTRA POE
- 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
120uH MIN @100kHz, 0.1VRMS, 19mA DC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
- ALL FOUR PAIRS BI-DIRECTIONAL
- PoE CURRENT: 600mADC
- PERFORMANCE @ 25°C (WHERE f IS FREQUENCY IN MHz):
 (a) RL (MAX)
 1 MHz - 40 MHz -18 dB
 40 MHz - 400 MHz -18 + 10lg (f/40)
 400 MHz - 500MHz -8 + 30lg (f/400)
 (b) IL (MIN)
 1MHz - 400MHz -0.5-1.3*(f-1)/400
- ISOLATION VOLTAGE: 2250VDC(MAX) 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: 0°C - 70°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 PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

2250927-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN CLOUD ZENG/TERRY LIN 22JUL2024 CHK RICK LI/BILL LIU 22JUL2024 APVD TONY YUAN 22JUL2024		 trp CONNECTOR a bel group		DONGGUAN CHINA	
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 ±		MODEL NAME MAGJACK STACK 4PPOE		DESC 2X6 S9HTG09 10G 4PPOE W/O LED	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		SIZE A1		CAGE CODE 2250927	
Customer Drawing				SCALE NTS		SHEET 1 OF 5 REV 1	



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PORT ASSIGNMENT
VIEWED FROM COMPONENT SIDE
SCALE 4:1

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

DIMENSIONS:
mm

PRODUCT SPEC
108-104004

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

-

DWN
CLOUD ZENG/TERRY LIN
22JUL2024
CHK
RICK LI/BILL LIU
22JUL2024
APVD
TONY YUAN
22JUL2024

MODEL NAME
MAGJACK
STACK 4PPOE

Customer Drawing

a bel group

DESC
2X6 S9HTG09 10G 4PPOE W/O LED

SIZE
A1

CAGE CODE
C=2250927

DRAWING NO
-

RESTRICTED TO
-

SCALE
NTS

SHEET
4

OF
5

REV
1

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A

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C

B

A

2250927					STOCK DISPOSITION			
2X6 S9HTG09 10G 4PPOE W/O LED					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)
22JUL2024	I	INITIAL RELEASE.	N/A.	TONY YUAN	-	-	-	-

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AND COMPLIANT TO ASME Y14.5M

DIMENSIONS:

mm

PRODUCT SPEC

108-104004

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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1 PLC ±0.25
2 PLC ±0.25
3 PLC ±0.25
4 PLC ±
ANGLES ±

APPLICATION SPEC

-

DWN
CLOUD ZENG/TERRY LIN
22JUL2024

CHK
RICK LI/BILL LIU
22JUL2024

APVD
TONY YUAN
22JUL2024

MODEL NAME

MAGJACK
STACK 4PPOE

DESC

2X6 S9HTG09 10G 4PPOE W/O LED

SIZE
A 1

CAGE CODE

DRAWING NO
2250927

RESTRICTED TO
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SCALE
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SHEET
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REV
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trpCONNECTOR

a bel group

DONGGUAN
CHINA

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