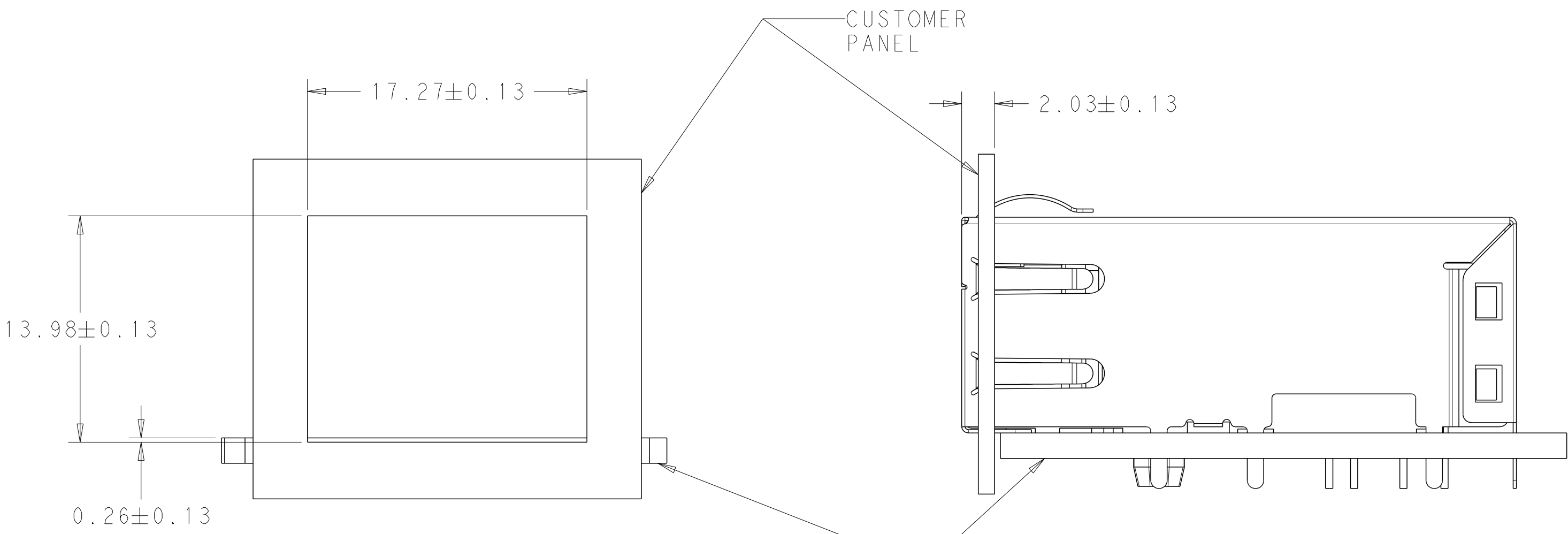
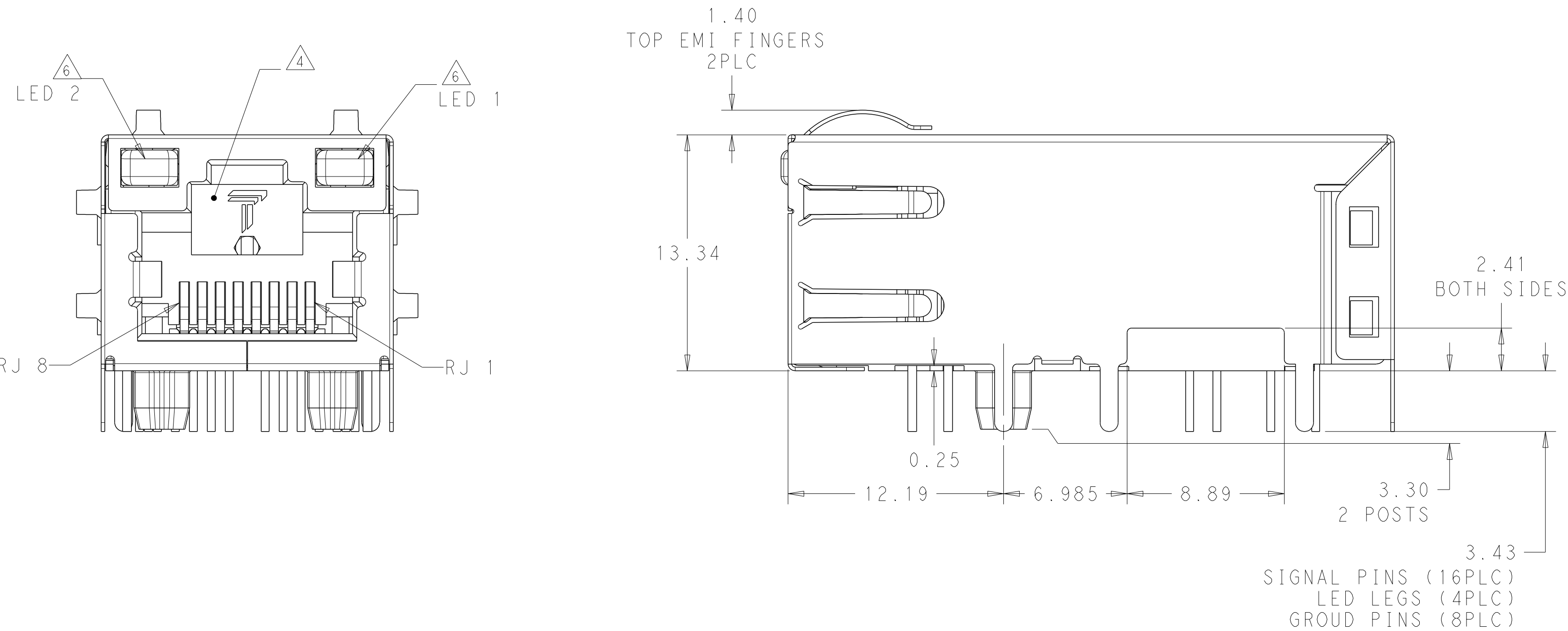
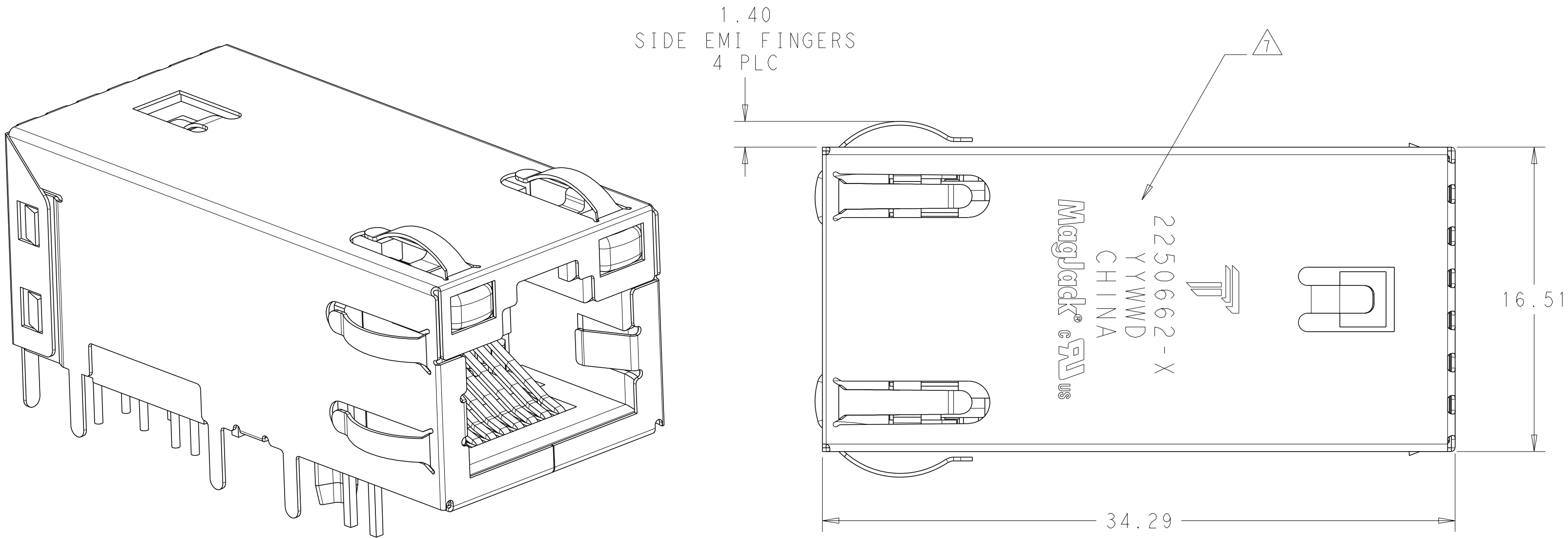


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
#	LYR	DESCRIPTION	DATE	DWN APVD
3		SEE LAST SHEET	15AUG2022	TRY TY



SUGGESTED PANEL CUTOUT

SIDE VIEW, SHOWN WITH
CUSTOMER PCB AND PANEL

1. MATERIALS:
- HOUSING: THERMOPLASTIC, FLAMMABILITY, RATING UL 94V-O.
 - 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, 4PPoE, EXTENDED TEMPERATURE
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 160uH MIN @ 100kHz, 0.1VRMS FROM -40°C TO 85°C, ALL FOUR PAIRS, 120uH MIN @ 100kHz, 0.1VRMS, 19mA DC BIAS FROM -40°C TO 85°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PoE CURRENT: 600mA DC MAX
 - ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.

3. OPERATING TEMPERATURE: FROM -40°C TO 85°C

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

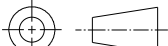
5. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

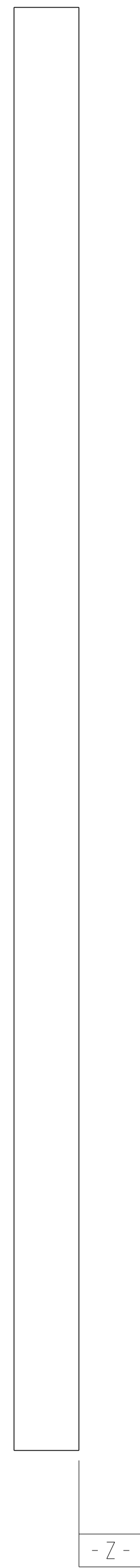
6. LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
LED COLOR: DOMINANT WAVELENGTH (λ_D): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λ_D): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA

7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN, DATE CODE: YYWW 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.

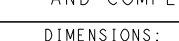
9. PART SHOULD BE RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

GREEN		YELLOW		GREEN		YELLOW		2250662-1	
20 		19 		18 		17 		PART NUMBER	
LED 2				LED 1					
THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M				DWN: 08OCT2019 TOWER YU / XENIA WANG CHK: 08OCT2019 BILL LIU APVD: 08OCT2019 TONY YUAN		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME MAGJACK SINGLE 4PPoE		DESC 1X1 7HTG05ET 10G 4PPoE TAB UP, W/ LEDS		RESTRICTED TO -	
		0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±°							
PRODUCT SPEC 108-104004		APPLICATION SPEC -		CUSTOMER DRAWING		SCALE 5:1		SHEET 1 OF 3	
						DRAWING NO C=2250662		REV 3	



B

A

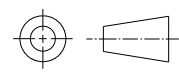
THIS DRAWING IS A CONTROL DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWG. 080CT2019 TOWER YU / XENIA WANG CHK 080CT2019 BILL LIU APPR 080CT2019 TONY YUAN		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 ANGLES ±°		MODEL NAME MAGJACK SINGLE 4PP0E		DESC 1X1 7HTG05ET 10G 4PP0E TAB UP, W/ LEDS	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		SIZE A1		CAGE CODE C=2250662	
		CUSTOMER DRAWING		DRAWING NO SCALE 5:1		SHEET 2 OF 3 REV 3	

2250662					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)
08OCT2019	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-
03MAR2020	2	NOTE AND TITLE BLOCK: CHANGE PART TO EXTENDED TEMPERATURE	MARKET REQUEST	TONY YUAN	-	-	-	-
15AUG2022	3	SHEET 2, B1-D3: CHANGE CHANNEL B AND D DESIGNATION IN CIRCUIT	MARKET REQUEST	TONY YUAN	-	-	-	-

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

DIMENSIONS:

mm



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

PRODUCT SPEC

108-104004

DWN
TOWER YU / XENIA WANG
08OCT2019

CHK
BILL LIU
08OCT2019

APVD
TONY YUAN
08OCT2019

MODEL NAME

MAGJACK
SINGLE 4PPoE

DESC

IXI 7HTG05ET 10G 4PPoE
TAB UP, W/ LEDS

SIZE

A1

CAGE CODE

DRAWING NO

2250662

RESTRICTED TO

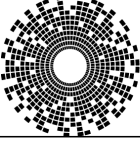
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CUSTOMER DRAWING

SCALE 5:1

SHEET 3 OF 3

REV 3

 **trp** CONNECTOR

DONGGUAN
CHINA