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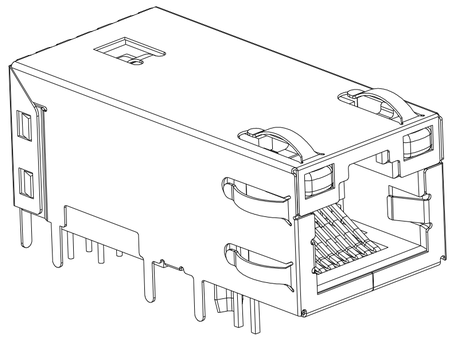
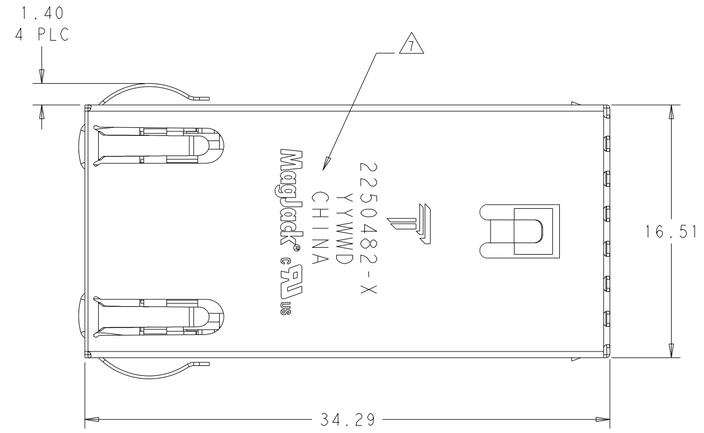
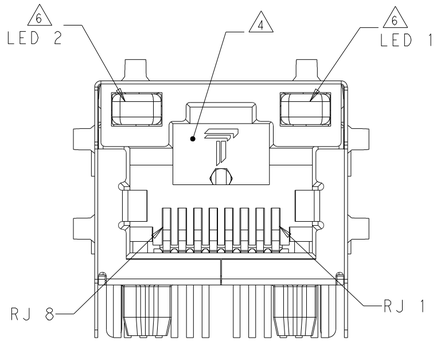
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

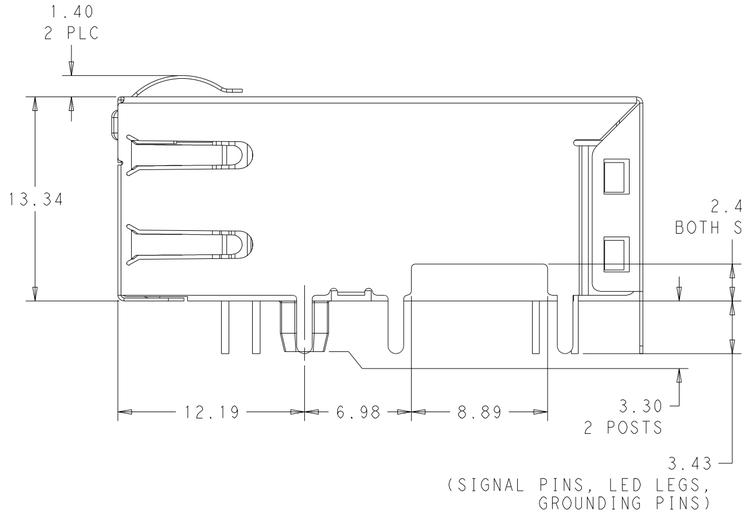
REVISIONS

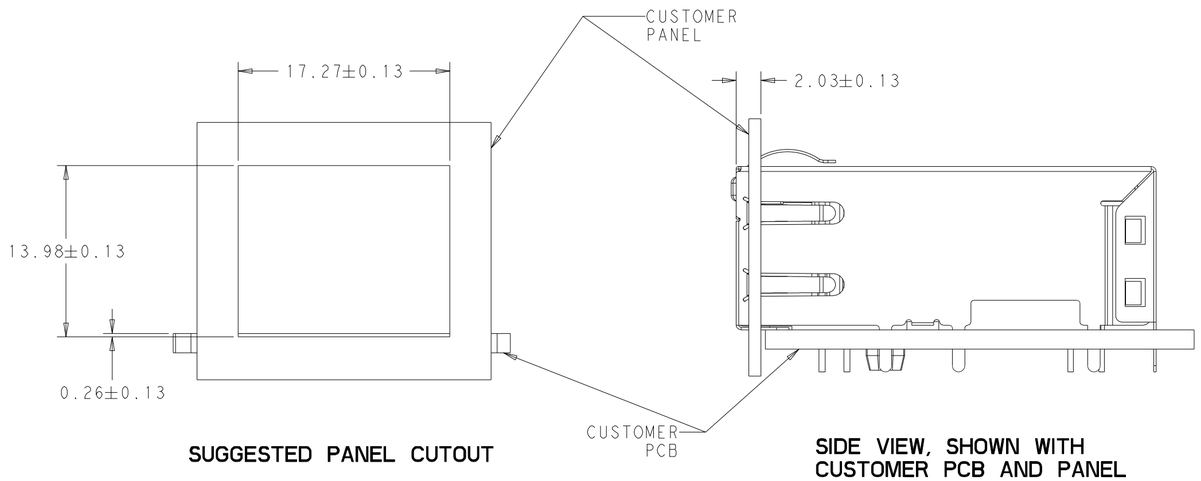
P	LTR	DESCRIPTION	DATE	DWN	APVD
	1	INITIAL RELEASE	22DEC2016	DP	TY











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,
   - 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, ALL FOUR PAIRS
   - ALL FOUR PAIRS BI-DIRECTIONAL
   - PERFORMANCE @ 25°C: PLEASE REFER TO SEPERATE SHEET.
   - ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.

3. OPERATING TEMPERATURE: FROM 0°C TO 70°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 (λD): GREEN 568 nm TYP. @ IF=20mA
   FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
   DOMINANT WAVELENGTH (λD): 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: YYWWD 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, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

GREEN/YELLOW	GREEN/YELLOW	2250482-1
LED 2	LED 1	PART NUMBER

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

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 ±

PRODUCT SPEC -
APPLICATION SPEC -

DWN 22DEC2016 DALE PAN/ FRANK LIU
CHK 22DEC2016 TOWER YU/ BILL LIU
APVD 22DEC2016 TONY YUAN

MODEL NAME: MAGJACK SINGLE NON-PoE

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: 1X1 7TGXXXX 10G TAB UP, W/ LEDS

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1		C-2250482	-

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 3 | REV 1

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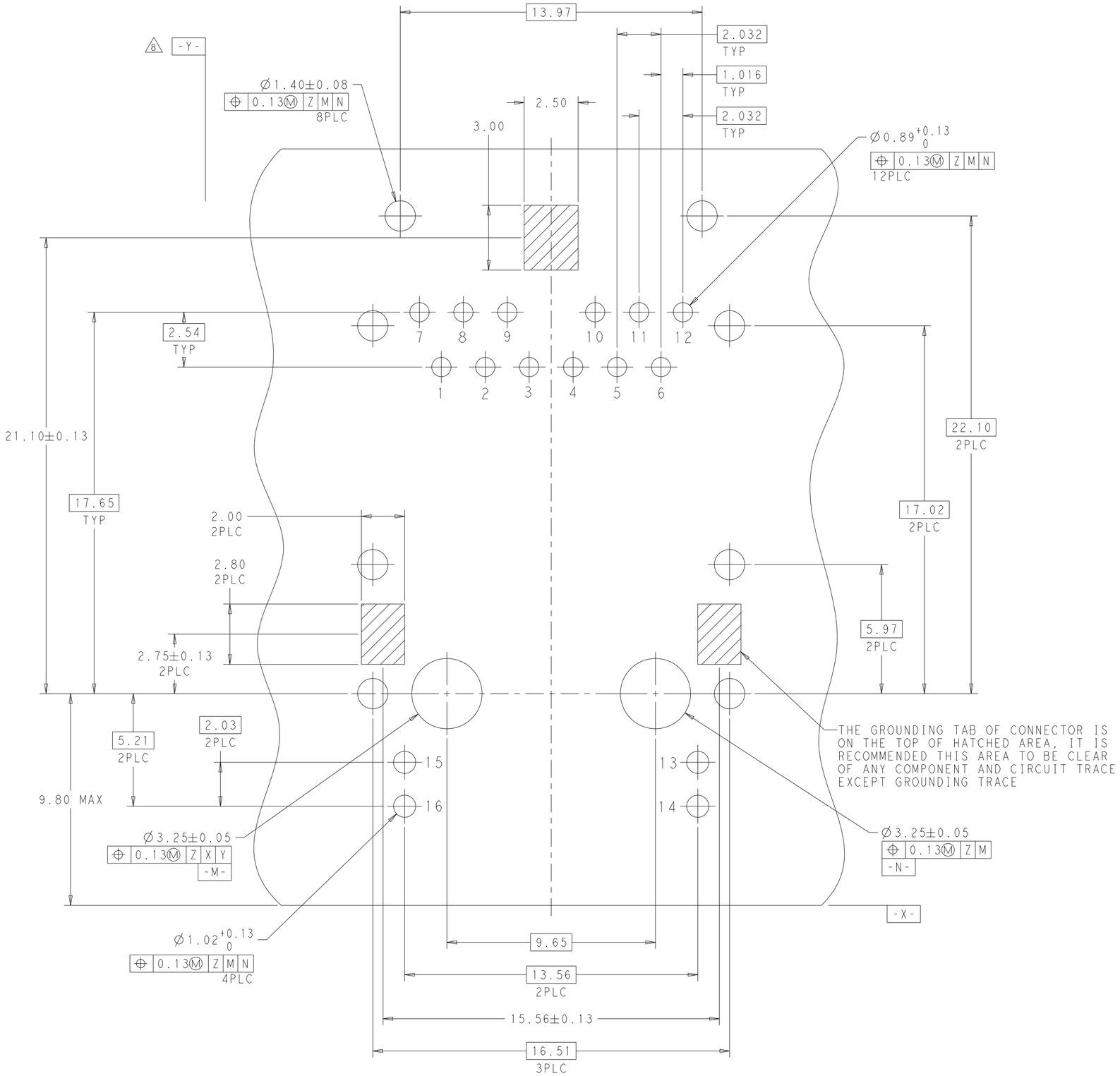
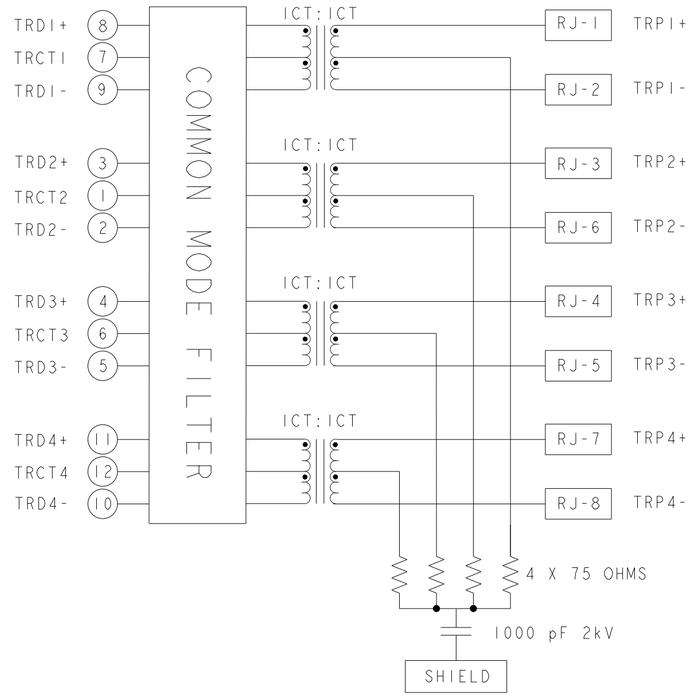
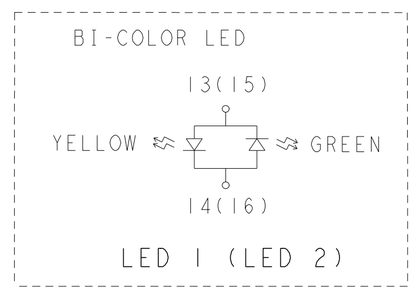


RECOMMENDED PCB FOOTPRINT SHOWN FROM CONNECTOR SIDE

7TGXXX 10 GIGABIT UPOE CIRCUIT △2



△6



THIS DRAWING IS A CONTROLLED DOCUMENT, AND COMPLIANT TO ASME Y14.5M	DWN 22DEC2016 DALE PAN/ FRANK LIU	trp CONNECTOR a bel group	DONGGUAN CHINA
DIMENSIONS: mm	CHK 22DEC2016 TOWER YU/ BILL LIU		
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 -	APVD 22DEC2016 TONY YUAN	DESC 1X1 7TGXXXX 10G TAB UP, W/ LEDS	
PRODUCT SPEC -	MODEL NAME MAGJACK SINGLE NON-PoE	SIZE A1 / CAGE CODE / DRAWING NO C-2250482	RESTRICTED TO -
	CUSTOMER DRAWING	SCALE 5:1 / SHEET 2 OF 3	REV 1

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2250482					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)
22DEC2016	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-

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

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 ±

PRODUCT SPEC: -

APPLICATION SPEC: -

DWN 22DEC2016 DALE PAN/ FRANK LIU
CHK 22DEC2016 TOWER YU/ BILL LIU
APVD 22DEC2016 TONY YUAN

MODEL NAME: MAGJACK SINGLE NON-PoE

trp CONNECTOR a bel group
DONGGUAN CHINA

DESC: 1X1 7TGXXXX 10G TAB UP, W/ LEDS

SIZE A1 | CAGE CODE | DRAWING NO C-2250482 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 5:1 | SHEET 3 OF 3 | REV 1

xxxxx