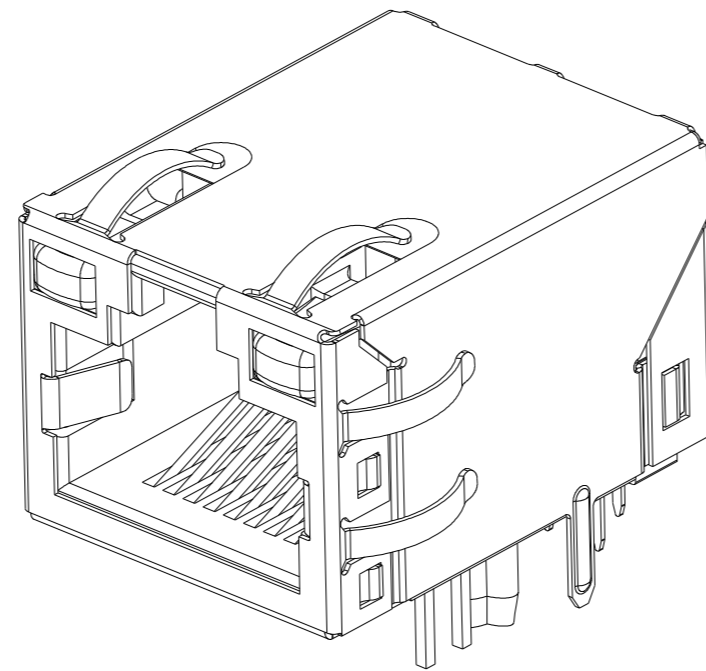
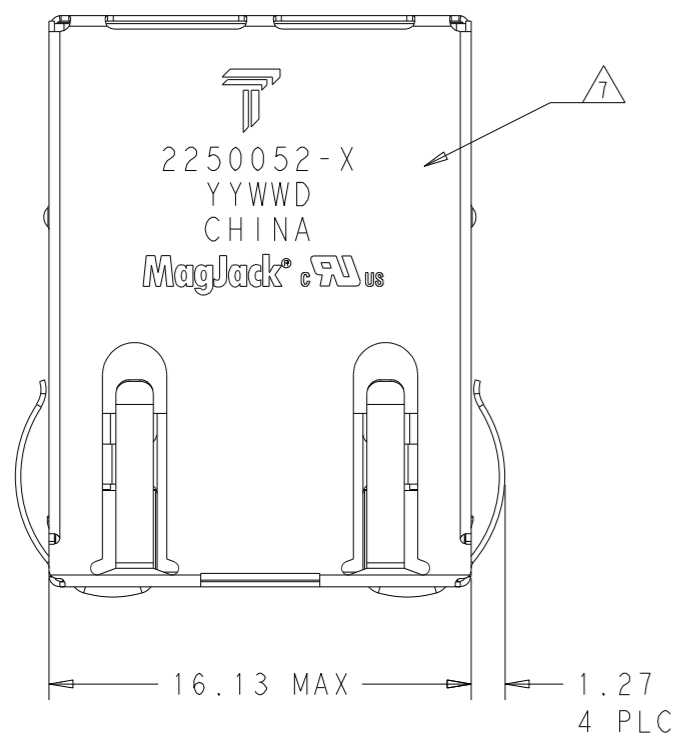


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
#	LT#	DESCRIPTION	DATE	APP'D
3		EC-1411035 COMPANY LOGO CHANGE	04JAN2015	DP TY



1. MATERIALS

- HOUSING: THERMOPLASTIC, FLAMMABILITY RATING UL 94V-0.
- SHIELD: BRASS 0.20mm THICK, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 2.54um MIN SAC SOLDER.
- CONTACTS: PHOSPHOR BRONZE 0.46mm X 0.30mm, PHOSPHOR BRONZE, 1.27um MIN NICKEL UNDERPLATE, WITH 1.27um MIN GOLD PLATING AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS, OR 1.27um MIN NICKEL UNDERPLATE, WITH 0.05um GOLD PLATING OVER 0.76um MIN PALLADIUM NICKEL PLATING AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
- SOLDER TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE, 3um TIN PLATE
- 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 3.05um MIN. MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP

△ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUB PART F.

△ MAGNETICS

- APPLICATION: 10/100/1000 BASE-T
- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
- OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN. @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO +70°C, ALL FOUR PAIRS
- ALL FOUR PAIRS BI-DIRECTIONAL
- PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX. FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 12-20LOG(f/80)dB MIN. FROM 40.1MHz TO 100MHz
 CROSSTALK ATTENUATION: 35dB MIN. FROM 0.5MHz TO 40MHz
 33-20LOG(f/50)dB MIN. FROM 40.1MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN. FROM 0.5MHz TO 100MHz
- ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500 V/SEC

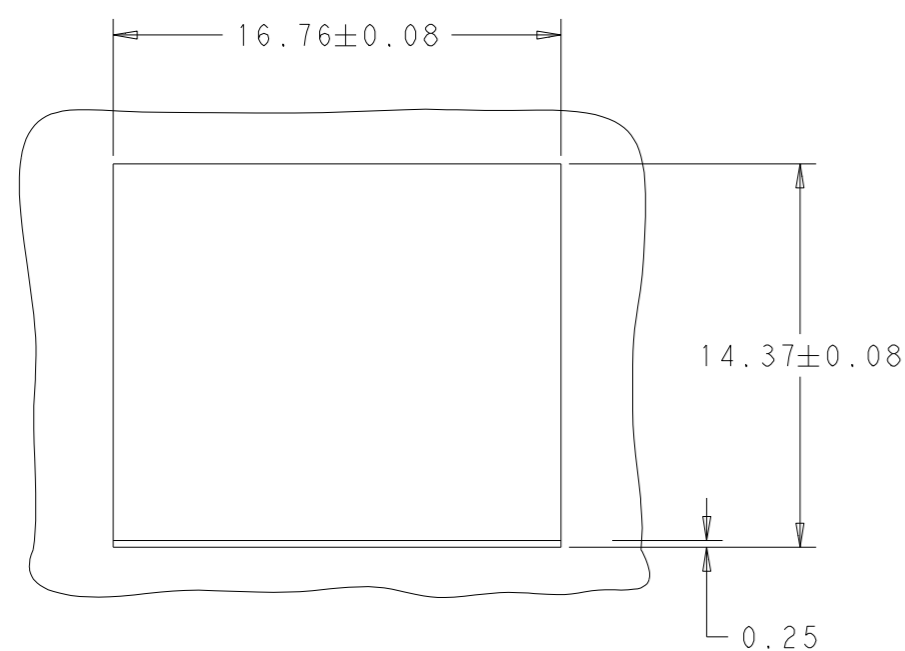
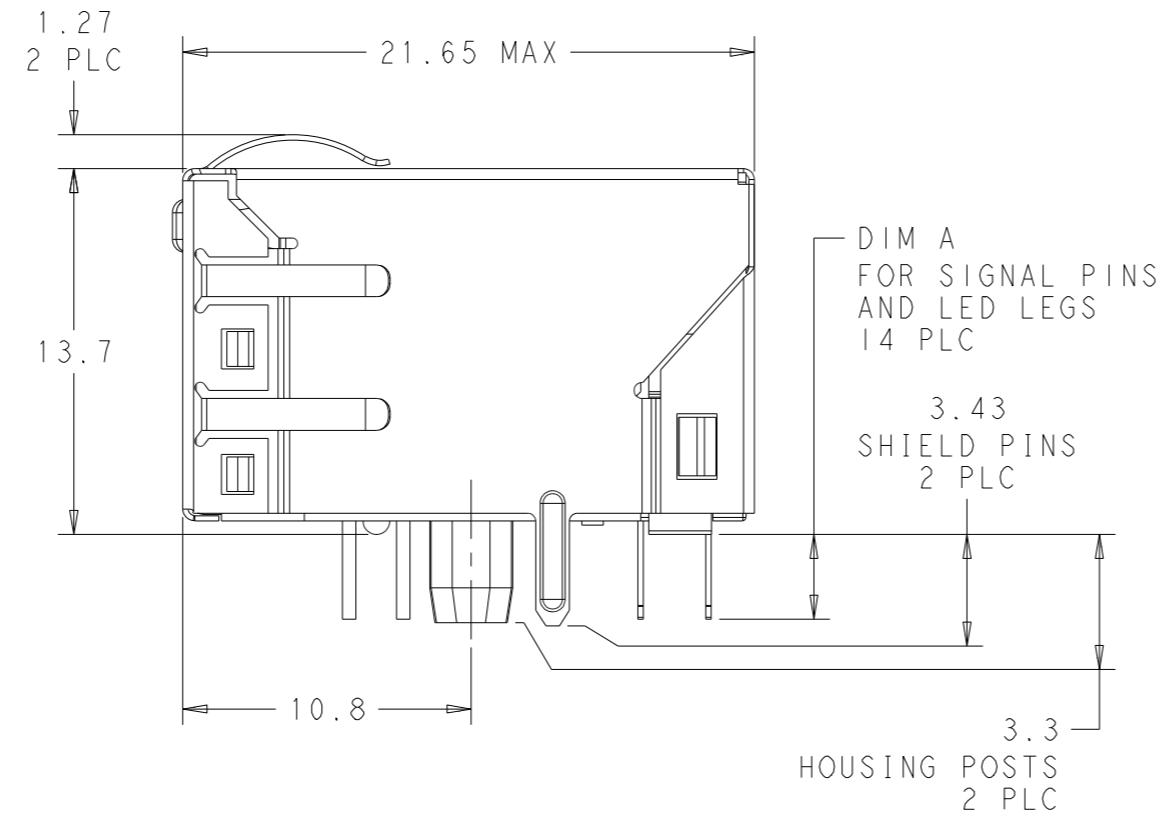
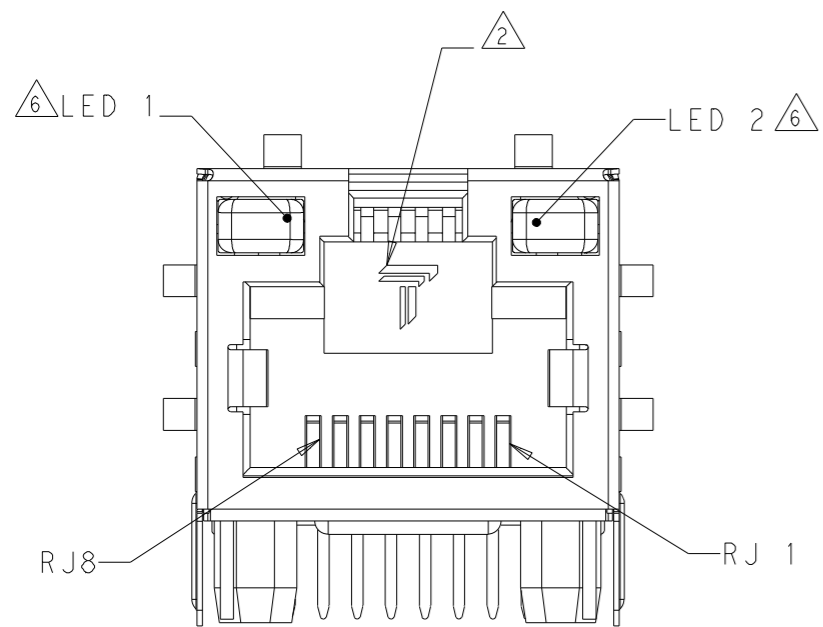
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.

△ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.

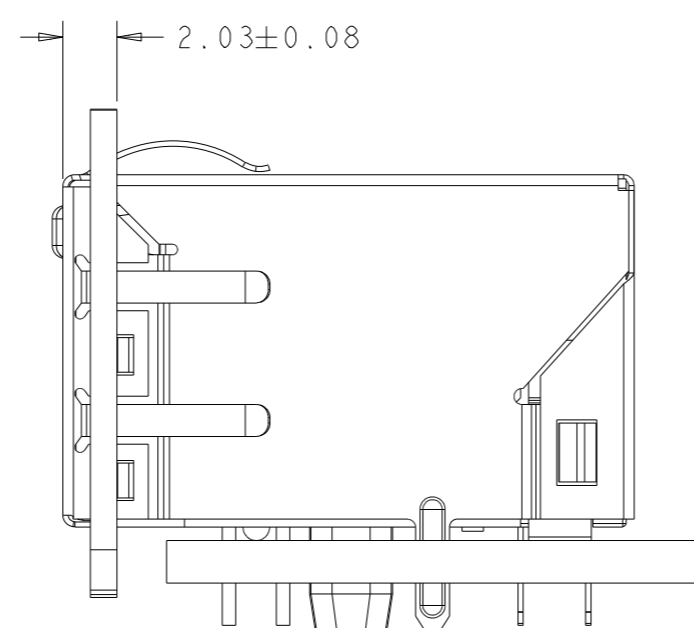
△ LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
 LED COLOR: DOMINATE WAVELENGTH (λD): GREEN 568 nm TYP AT IF = 20mA
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF = 20mA
 DOMINATE WAVELENGTH (λD): YELLOW 588 nm TYP AT IF = 20mA
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF = 20mA

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

8. 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.

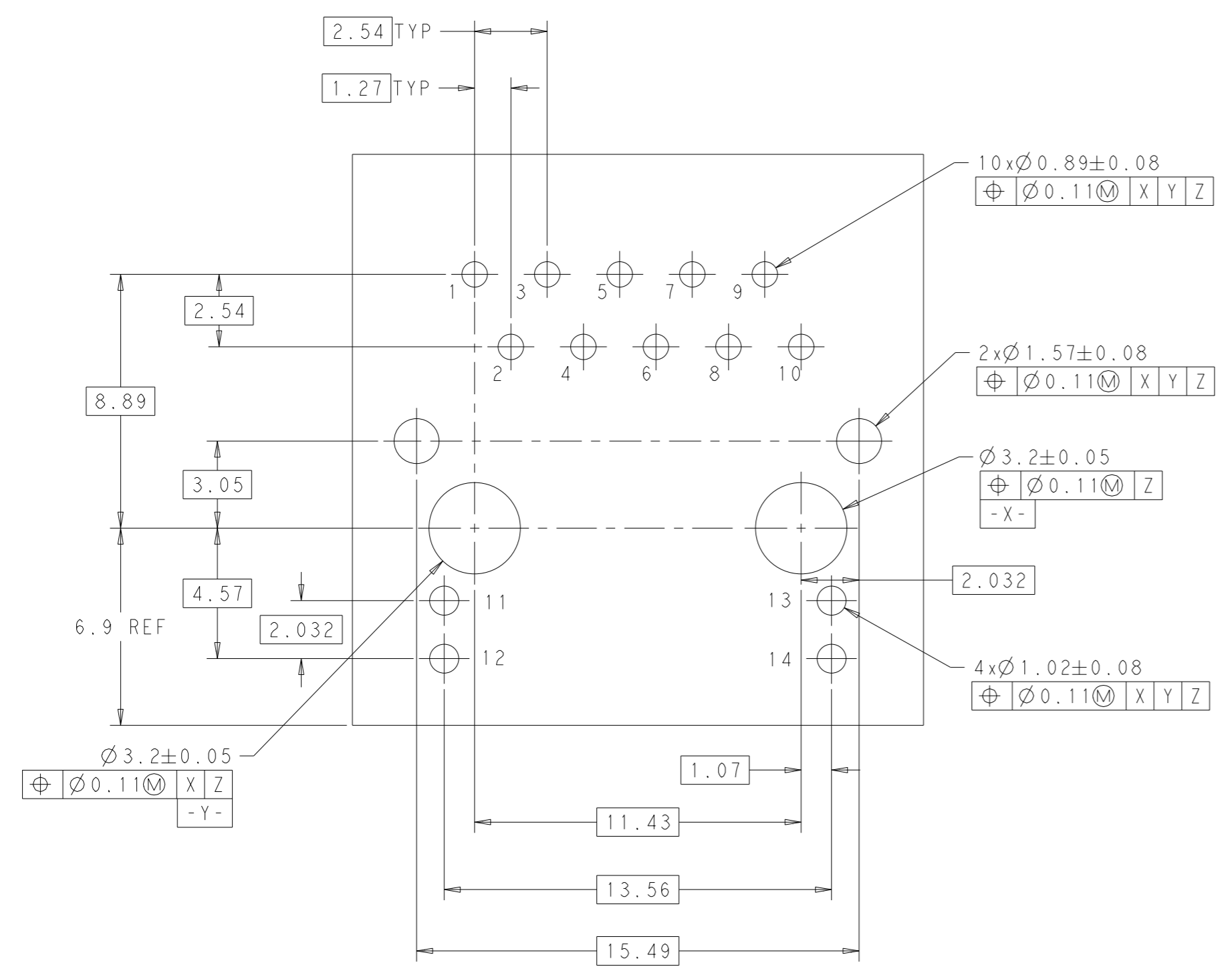


SUGGESTED CUT PANEL AND PCB



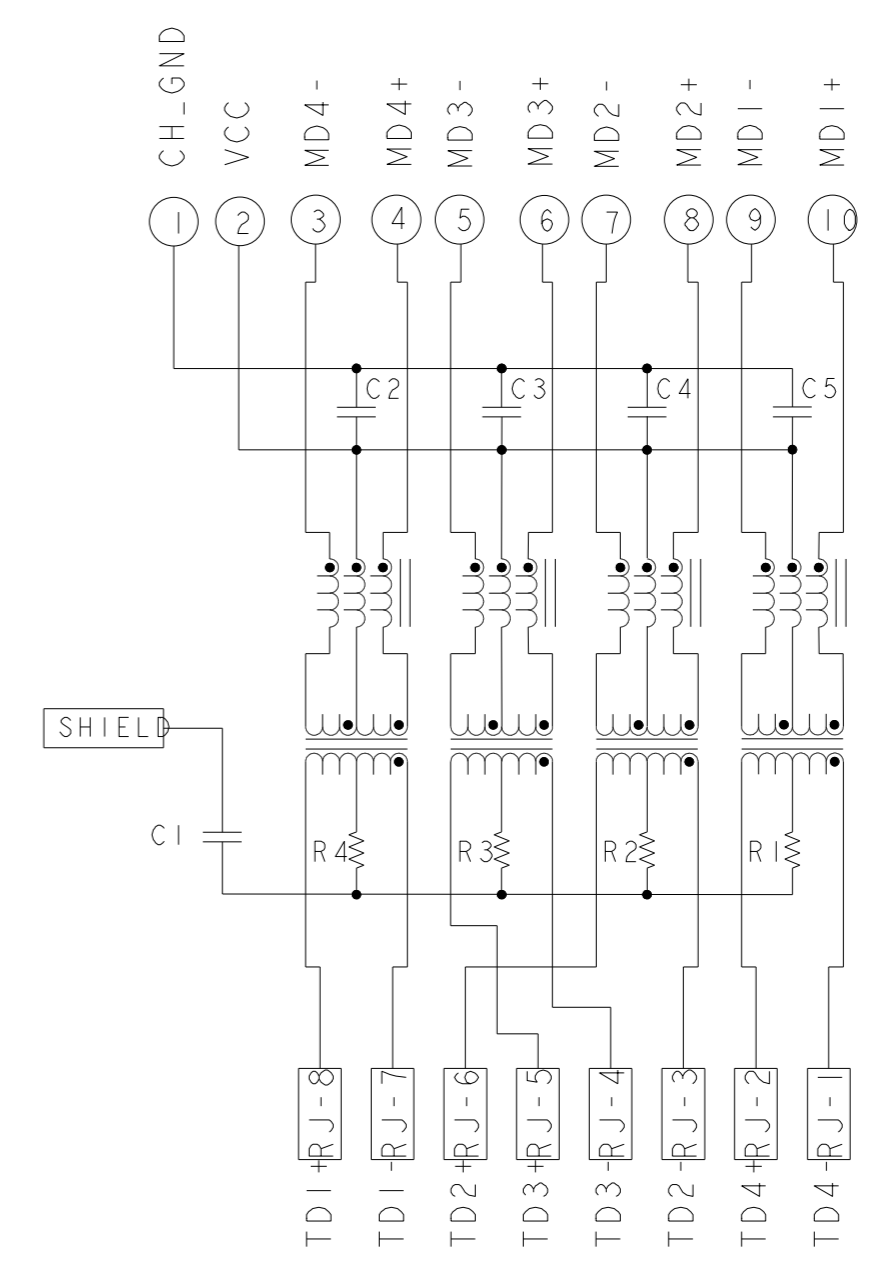
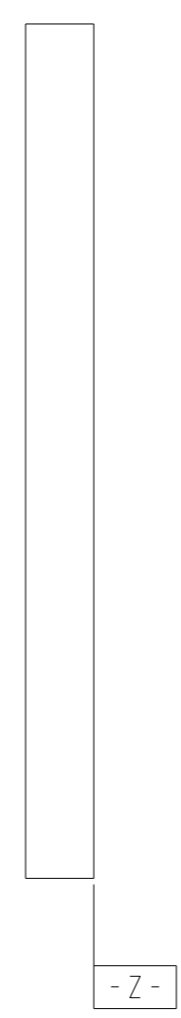
3.68	GREEN	-	YELLOW	-	2250052-2
2.30	GREEN	YELLOW	GREEN	YELLOW	2250052-1
DIM A	9 → 10		11 → 12		PART NUMBER
	LED 1		LED 2		

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN ROY LIU 06 JUN 2013	 DONGGUAN CHINA												
DIMENSIONS: mm		CHK TOWER YU / FRANK LIU 06 JUN 2013													
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D TONY YUAN 06 JUN 2013	DESC IXI 7G46P8 GIGABIT TAB UP W/ LED												
<table border="1"> <tr><td>0 PLC</td><td>±0.25</td></tr> <tr><td>1 PLC</td><td>±0.25</td></tr> <tr><td>2 PLC</td><td>±0.25</td></tr> <tr><td>3 PLC</td><td>±0.25</td></tr> <tr><td>4 PLC</td><td>±0.25</td></tr> <tr><td>ANGLES</td><td>±</td></tr> </table>		0 PLC	±0.25	1 PLC	±0.25	2 PLC	±0.25	3 PLC	±0.25	4 PLC	±0.25	ANGLES	±	MODEL NAME MAGJACK	SIZE A 1
0 PLC	±0.25														
1 PLC	±0.25														
2 PLC	±0.25														
3 PLC	±0.25														
4 PLC	±0.25														
ANGLES	±														
PRODUCT SPEC		APPLICATION SPEC	SCALE 4:1												
SINGLE NON-POE		CAGE CODE C=2250052	SHEET 1 OF 3												
CUSTOMER DRAWING		REV 3	REV 3												




SUGGESTED CUSTOMER BOARD LAYOUT
 (COMPONENT SIDE)


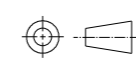
7G46P8 GIGABIT CIRCUIT  



R1-R4=75 OHMS, RESISTORS.
 C1=1000 pF, 2kV DECOUPLING CAPACITOR.
 C2-C5=0.1uF, 50V, X7R, CAPACITORS.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU 06 JUN 2013 CHK TOWER YU / FRANK LIU 06 JUN 2013 APVD TONY YUAN 06 JUN 2013	 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 ±0.25 ANGLES ±° PRODUCT SPEC APPLICATION SPEC	MODEL NAME: MAGJACK DESC: SINGLE NON-POE CUSTOMER DRAWING	DESC: IXI 7G46P8 GIGABIT TAB UP W/ LED SIZE: A1 CAGE CODE: 2250052 SCALE: 4:1	

C_2250052					STOCK DISPOSITION			
REVISION HISTORY					A: CONTINUE AS IS		D: USE OLD FIRST	
DATE	REV	CHANGES	REASON	APPROVAL	B: REWORK	E: PARTS TO CONFORM		
					C: SCRAP	F: OTHER		
					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)
06JUN2013	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-
13JAN2014	2	REFRESH MAGNETICS SPEC	ERROR CORRECTION	TONY YUAN	-	-	-	-
04JAN2015	3	EC-1411035 COMPANY LOGO CHANGE	MARKET REQUEST	TONY YUAN	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN ROY LIU	06 JUN 2013	 trp CONNECTOR <small>a bel group</small>	DONGGUAN CHINA	
DIMENSIONS: mm		CHK TOWER YU/ FRANK LIU	06 JUN 2013		MODEL NAME MAGJACK	DESC IXI 7G46P8 GIGABIT TAB UP W/ LED
		APPROV TONY YUAN	06 JUN 2013		SIZE A1	CAGE CODE DRAWING NO RESTRICTED TO
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±° APPLICATION SPEC ±°		PRODUCT SPEC APPLICATION SPEC		SINGLE NON-POE CUSTOMER DRAWING	SCALE 4:1 SHEET 3 OF 3 REV 3	