

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

REVISONS				
P	LTR	DESCRIPTION	DATE	OWN APVD
5		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: 0.25mmTHICK, 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 BASE-T, EXTENDED TEMPERATURE
 - IMPEDANCE: 100 Ohms
 - TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
 - OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO +85°C, TX AND RX
 - PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
 - 18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
 - 12dB MIN FROM 60.1MHz TO 80MHz
 - 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 (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.

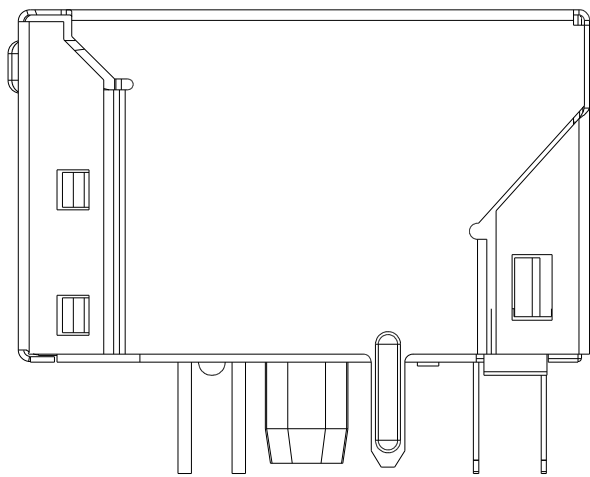
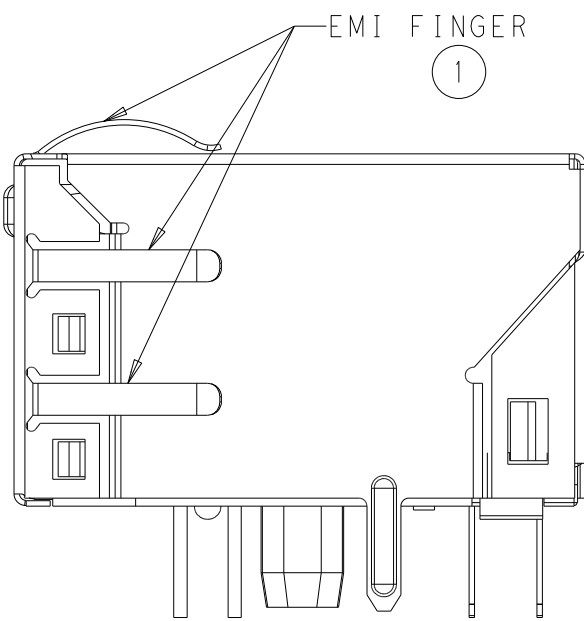
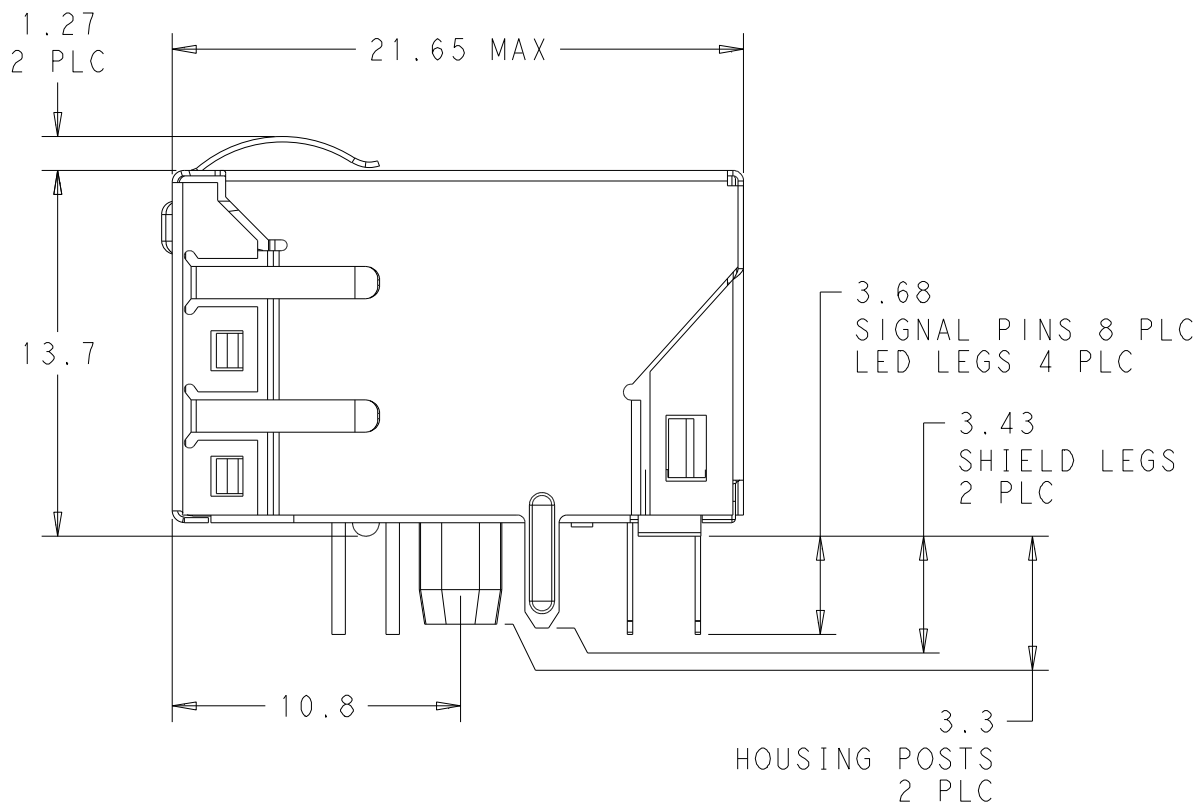
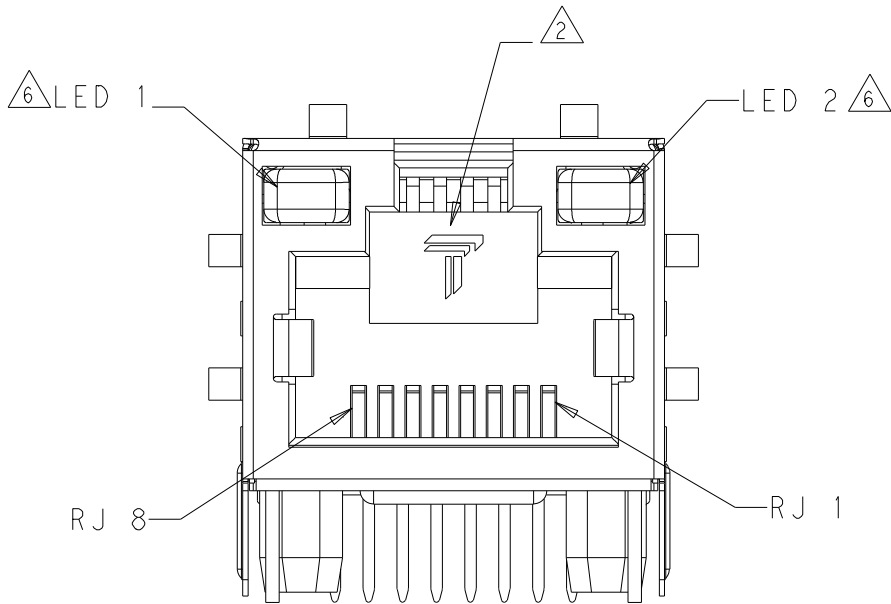
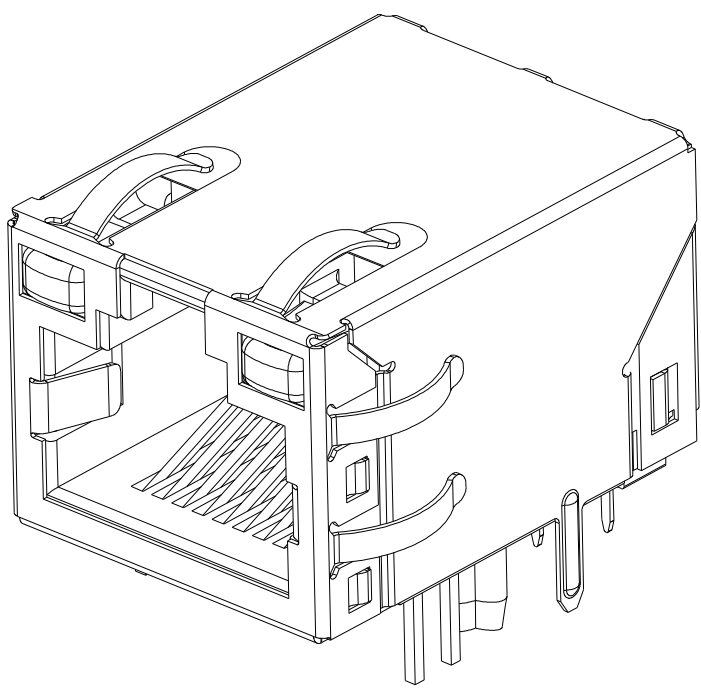
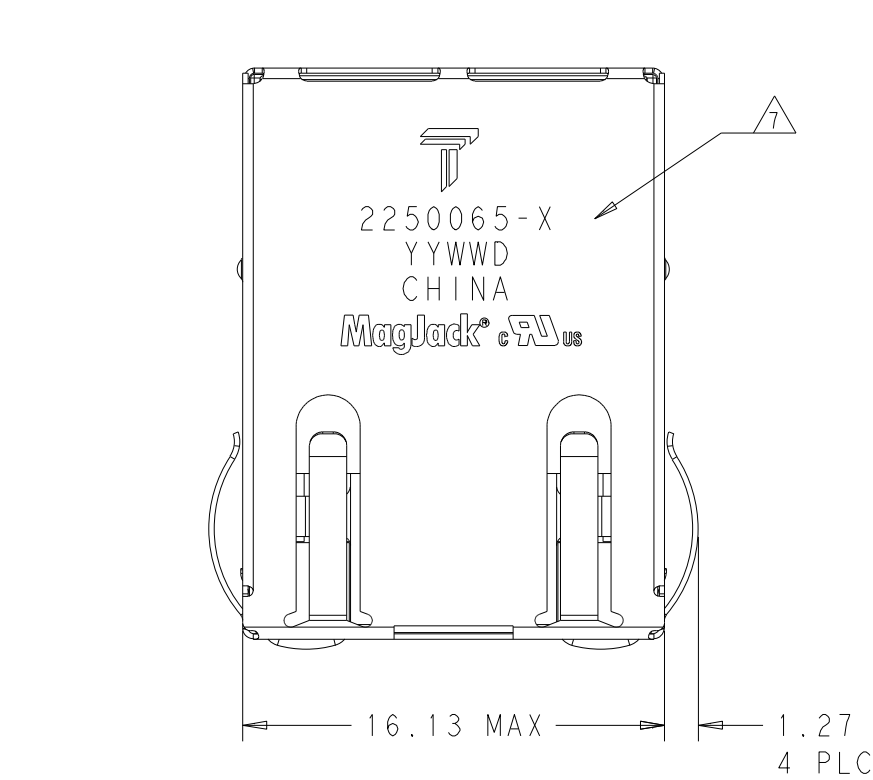
4. OPERATING TEMPERATURE: FROM -40°C TO +85°C.

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

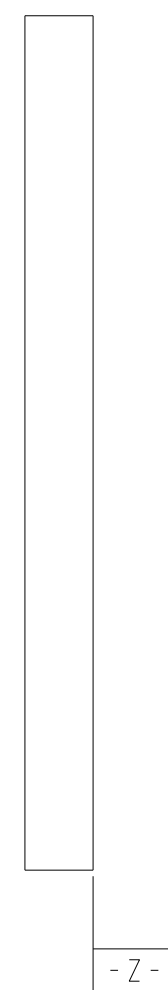
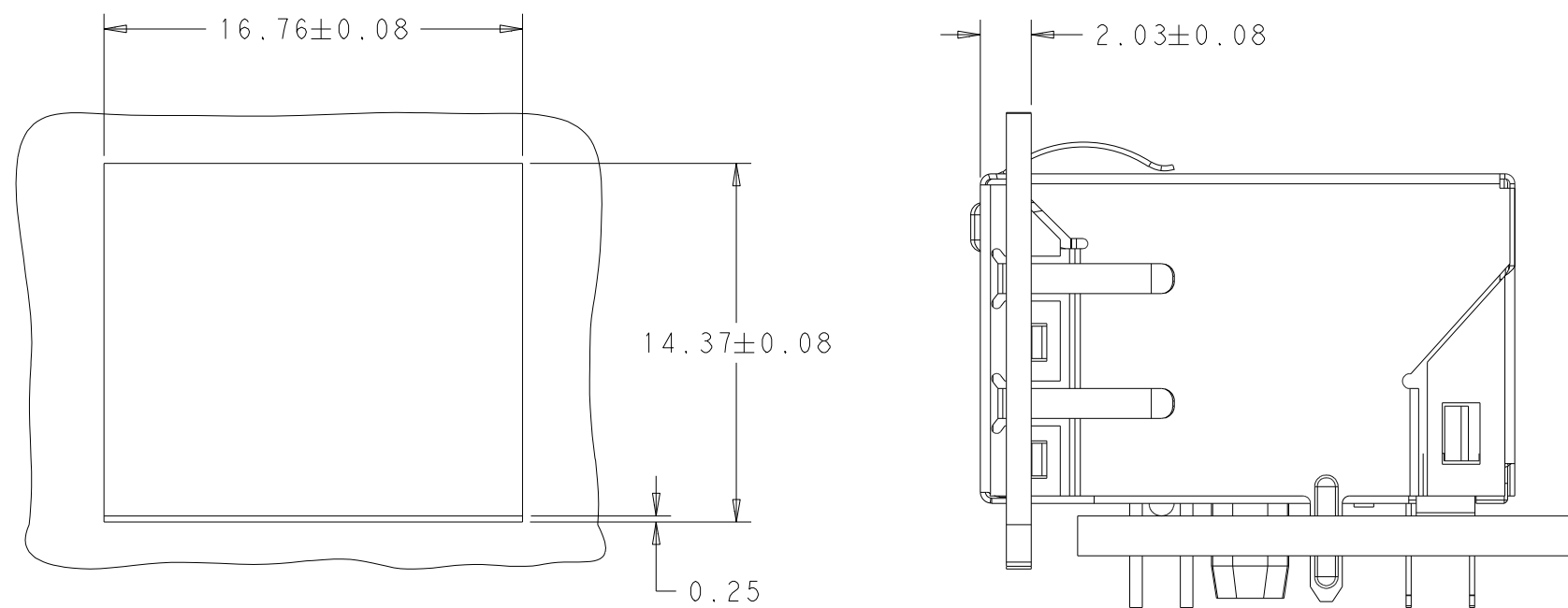
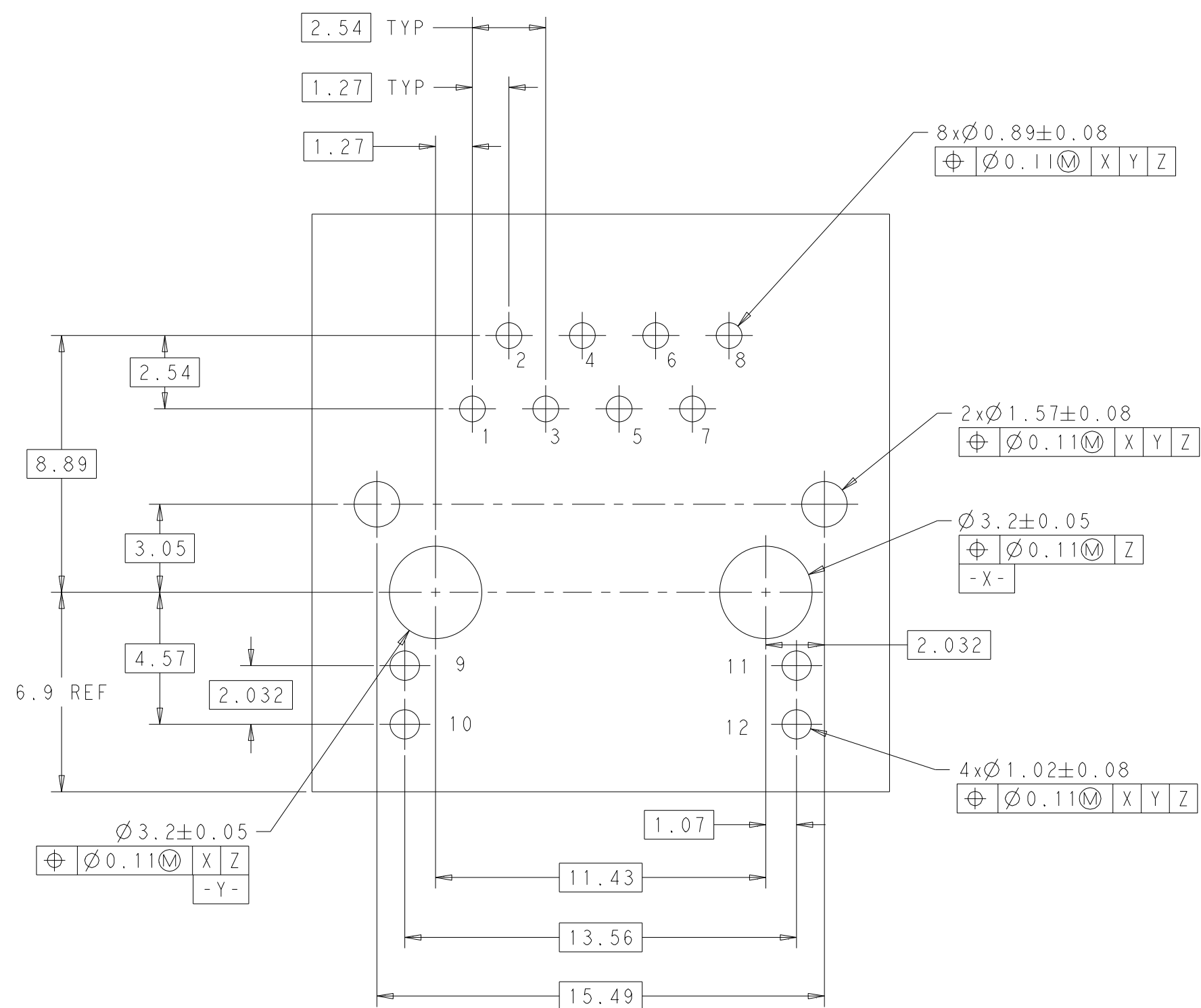
- △ THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF RESISTORS.
- IF LEDS WITHOUT 250 OHM RESISTORS. LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
- LED COLOR: DOMINATE WAVELENGTH (λD): GREEN 568 nm TYP. AT IF = 20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF = 20mA
DOMINATE WAVELENGTH (λD): YELLOW 588 nm TYP. AT IF = 20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF = 20mA
- IF LEDS WITH BUILT-IN 250 OHM RESISTORS. LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA
- LED COLOR: DOMINATE WAVELENGTH (λD): GREEN 568 nm TYP. @ VF=5V
FORWARD CURRENT (IF): GREEN 12mA TYP. @VF=5V
DOMINATE WAVELENGTH (λD): YELLOW 588 nm TYP. @ VF=5V
FORWARD CURRENT (IF): YELLOW 13mA TYP. @VF=5V

△ 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.

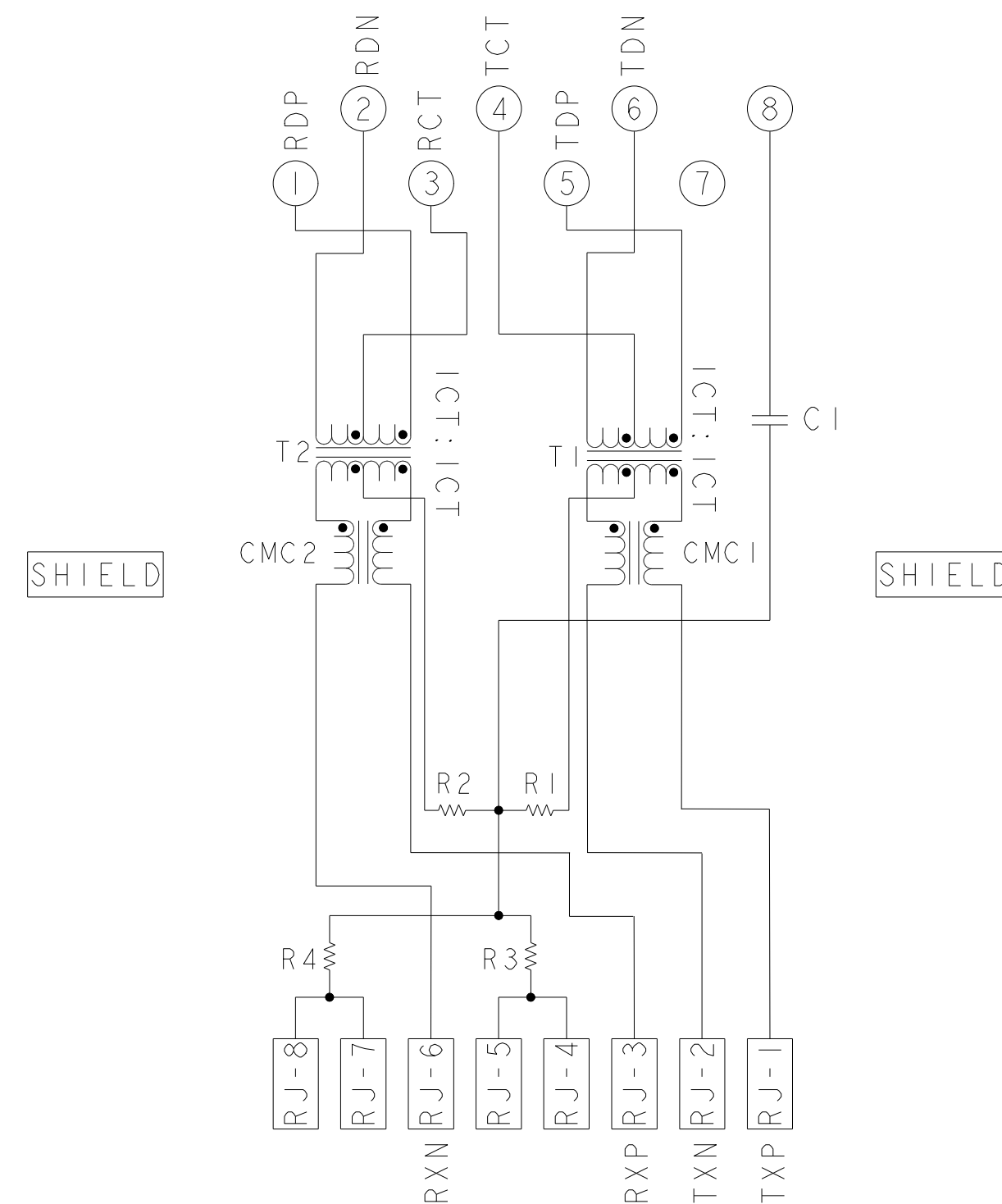
8. PART SHOULD BE RECOMMENDED FOR WAVE SOLDERING PROCESS,PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX,10 SECONDS MAX.



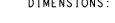
NO	GREEN	YES	YELLOW	YES	2250065-3
YES	YELLOW	NO	GREEN	NO	2250065-2
YES	GREEN	YES	YELLOW	YES	2250065-1
EMI FIGNER ①	9 → 10	250 OHMS RESISTOR △	11 → 12	250 OHMS RESISTOR △	PART NUMBER
	LED 1		LED 2		
THIS DRAWING IS A CONTROLLED DOCUMENT.			OWN ROY LIU 16DEC2013		
DIMENSIONS:			CHK TOWER YU/ FRANK LIU 16DEC2013		
mm			APVD TONY YUAN 16DEC2013		
0 PLC ±0.25			MODEL NAME		
1 PLC ±0.25			DESC		
2 PLC ±0.25			1X1 726ET 10/100 TAB UP W/ LED		
3 PLC ±0.25			SIZE		
4 PLC ±			CAGE CODE		
ANGLES			DRAWING NO		
APPLICATION SPEC			RESTRICTED TO		
PRODUCT SPEC			C=2250065		
CUSTOMER DRAWING			SCALE 4:1		
			SHEET 1 OF 3		
			REV 5		



726ET 10/100 CIRCUIT



$C1 = 1000 \mu F$, 2kV CAPACITOR
 $R1 - R4 = 75 \text{ Ohms}$, 1/16 W RESISTORS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU 16DEC2013 CHK TOWER YU/ FRANK LIU 16DEC2013 APVD TONY YUAN 16DEC2013 MODEL NAME		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm 		TOLERANCES, UNLESS OTHERWISE SPECIFIED: 0 P/LC ±0.25 1 P/LC ±0.25 2 P/LC ±0.25 3 P/LC ±0.25 4 P/LC ± ANGLES ±°		DESC		1X1 726T 10/100 TAB UP W/ LED -	
PRODUCT SPEC		MAGJACK SINGLE NON-PoE		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
APPLICATION SPEC		CUSTOMER DRAWING		A1		C=2250065	-
				SCALE	4:1	SHEET 2 of 3	REV 5

C_2250065					STOCK DISPOSITION			
					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)
16DEC2013	1	INITIAL RELEASE	-	TONY YUAN	-	-	-	-
20DEC2013	2	ADD DASH NUMBER 2250065-3	MARKET REQUIREMENT	TONY YUAN	-	-	-	-
13JAN2014	3	REFRESH MAGNETICS SPEC	ERROR CORRECTION	TONY YUAN	-	-	-	-
11FEB2014	4	ITEM BLOCK, CHANGE 2250063-3 TO 2250065-3	ERROR CORRECTION	TONY YUAN	-	-	-	-
04JAN2015	5	EC-1411035 COMPANY LOGO CHANGE	MARKET REQUEST	TONY YUAN	-	-	-	-