

D

C

B

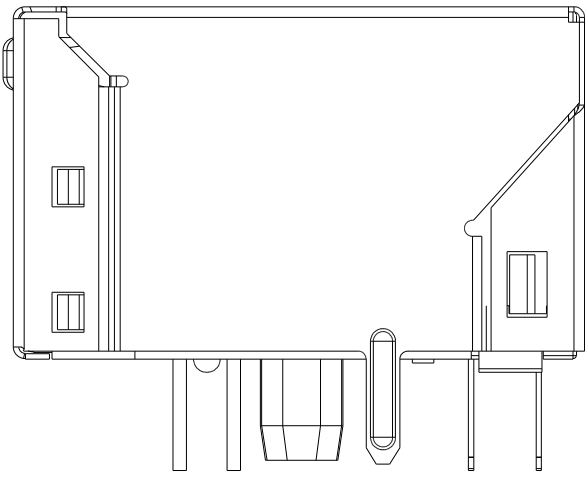
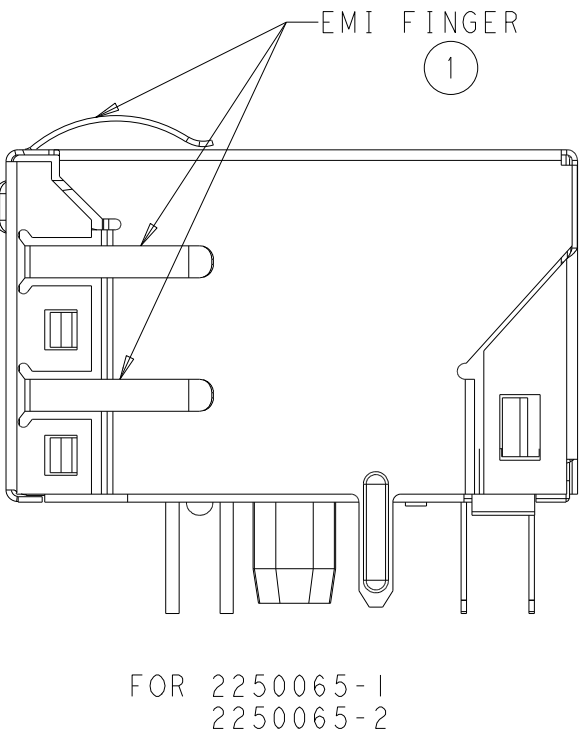
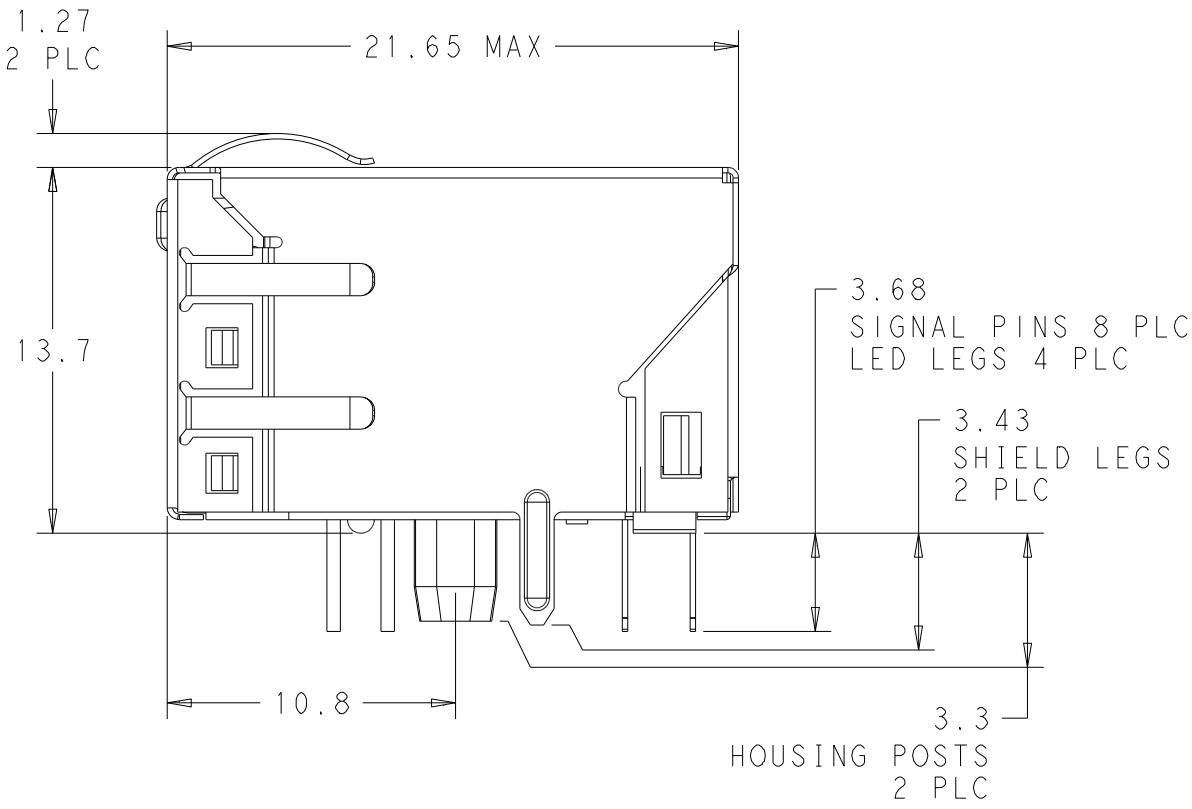
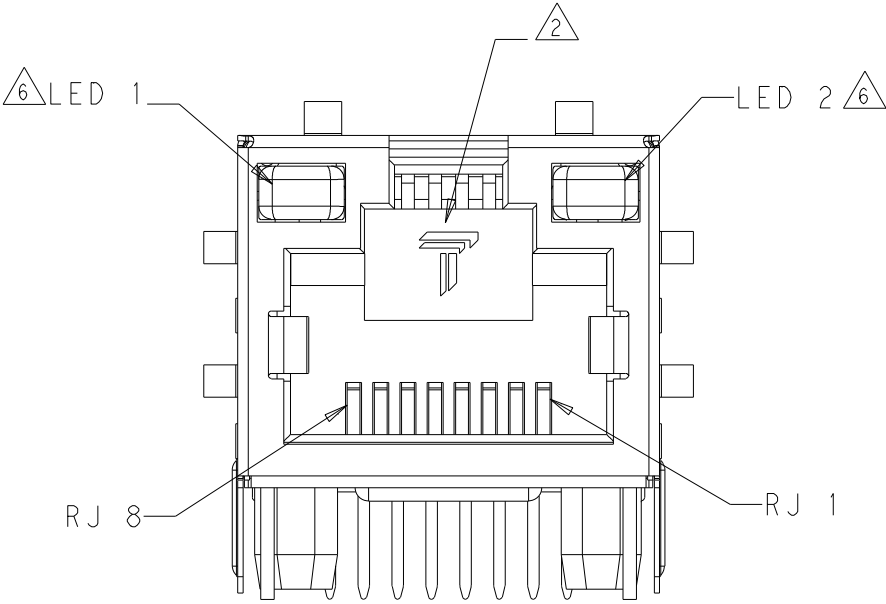
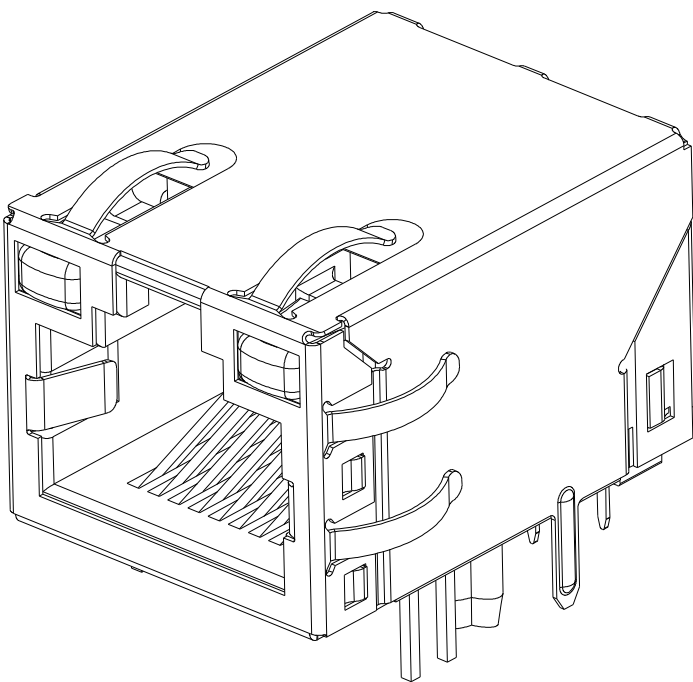
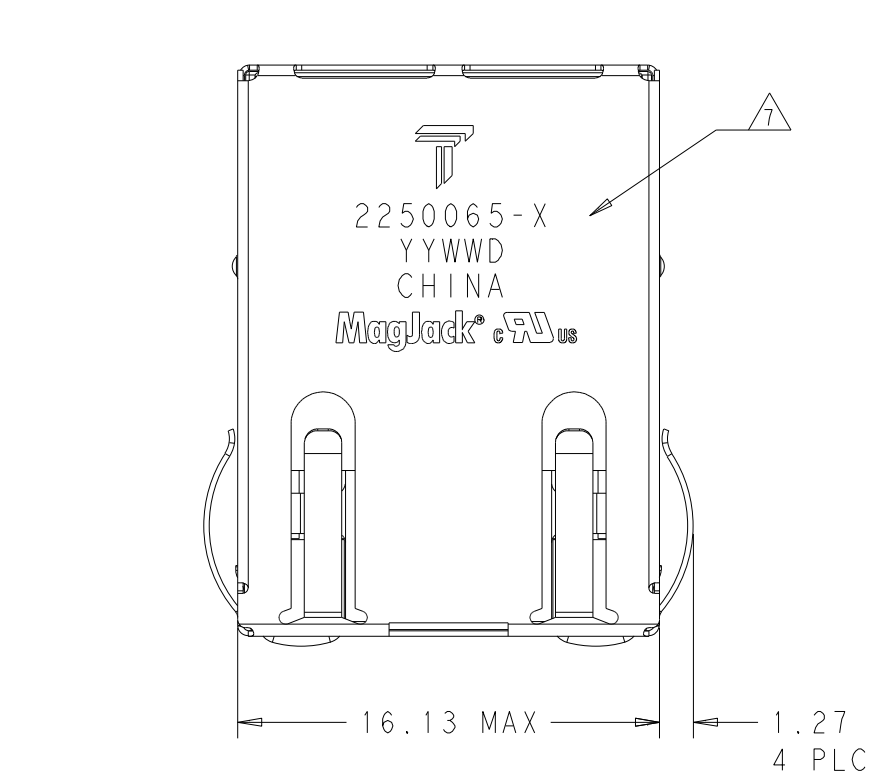
A

D

C

B

A



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.

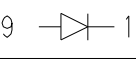
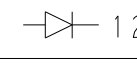
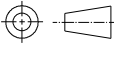
4. OPERATING TEMPERATURE: FROM -40°C TO +85°C.

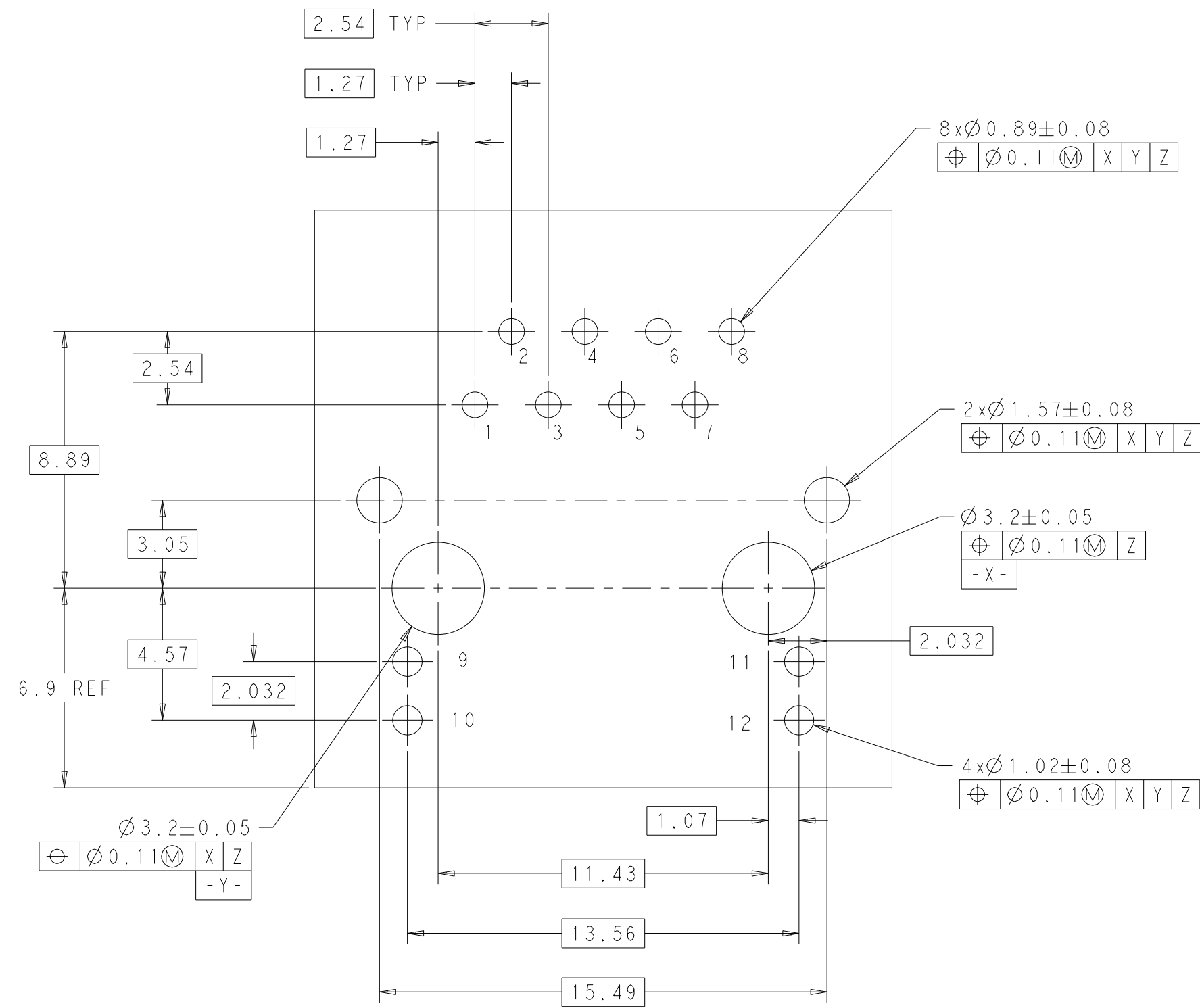
△ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.

- △ 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

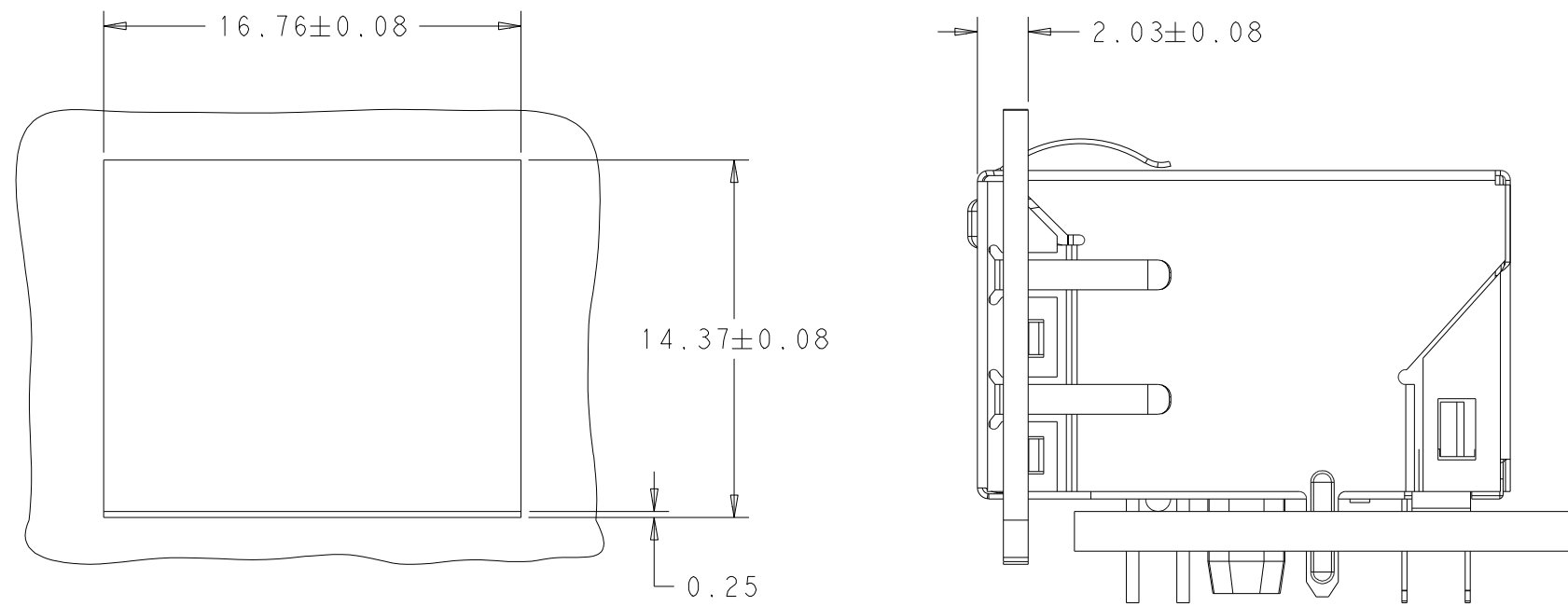
△ TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN. DATE CODE: YYWWD WHERE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1.

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	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		
			MODEL NAME		
PRODUCT SPEC			MAGJACK		
			SINGLE NON-PoE		
			CUSTOMER DRAWING		
			DESC IXI 726ET 10/100 TAB UP W/ LED		
			SIZE CAGE CODE DRAWING NO RESTRICTED TO		
			A1 C=2250065 -		
			SCALE 4:1 SHEET 1 OF 3 REV 5		

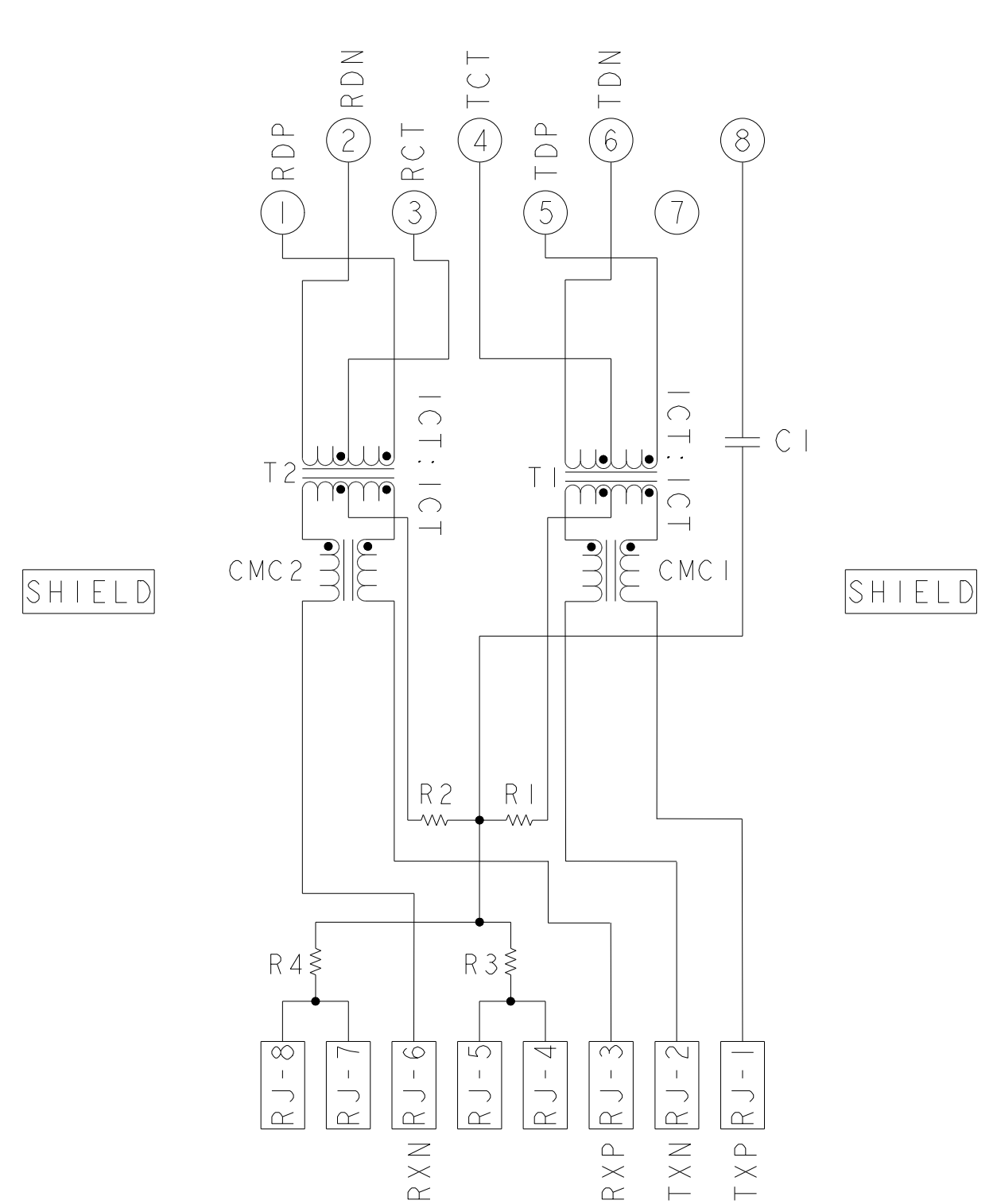


SUGGESTED PCB LAYOUT



SUGGESTED PANEL CUTOUT

726ET 10/100 CIRCUIT



C1=1000pF, 2kV CAPACITOR
R1-R4 = 75 Ohms, 1/16 W RESISTORS

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

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	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.

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 ±
APPLICATION SPEC

OWN ROY LIU 16DEC2013
CHK TOWER YU/ FRANK LIU 16DEC2013
APVD TONY YUAN 16DEC2013

MODEL NAME
MAGJACK
SINGLE NON-POE
CUSTOMER DRAWING

trp CONNECTOR
a bel group

DONGGUAN CHINA

DESC
1X1 726ET 10/100 TAB UP W/ LED

SIZE A1
CAGE CODE
DRAWING NO
C=2250065

RESTRICTED TO
-

SCALE 4:1

SHEET 3 OF 3

REV 5