

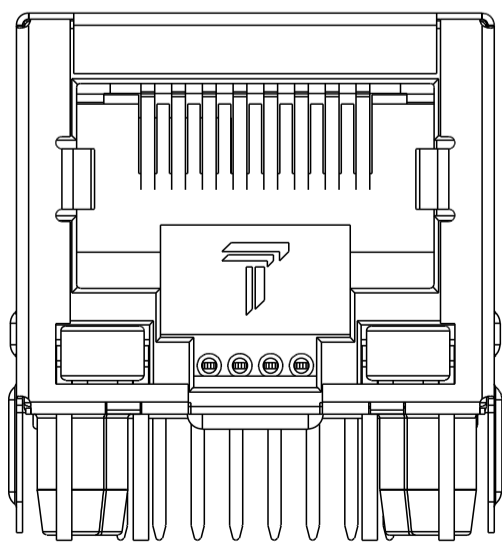
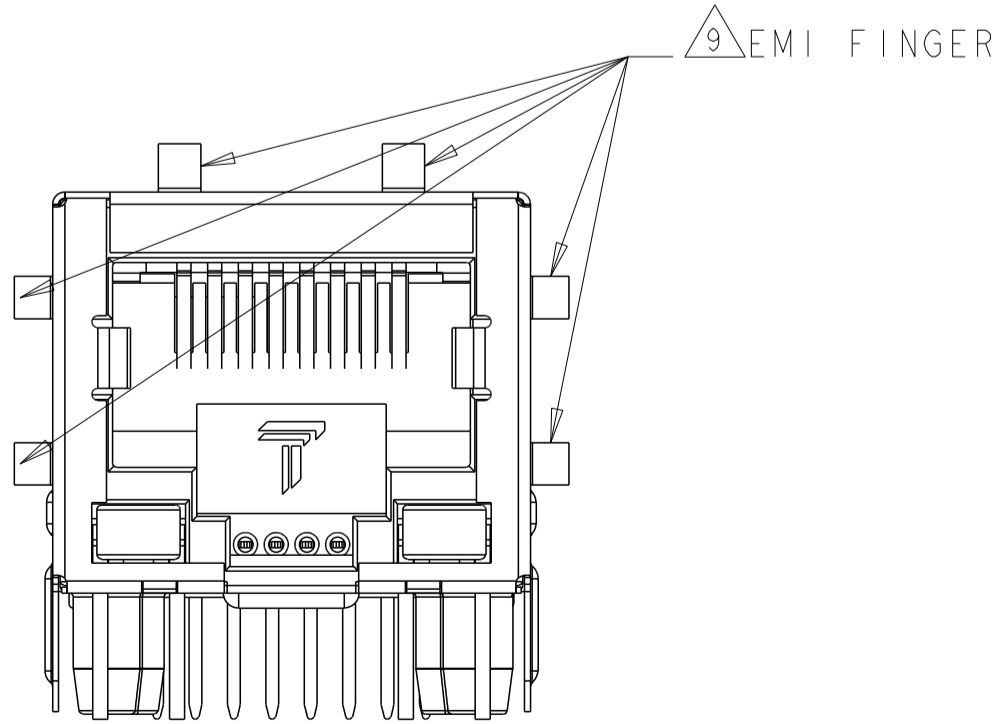
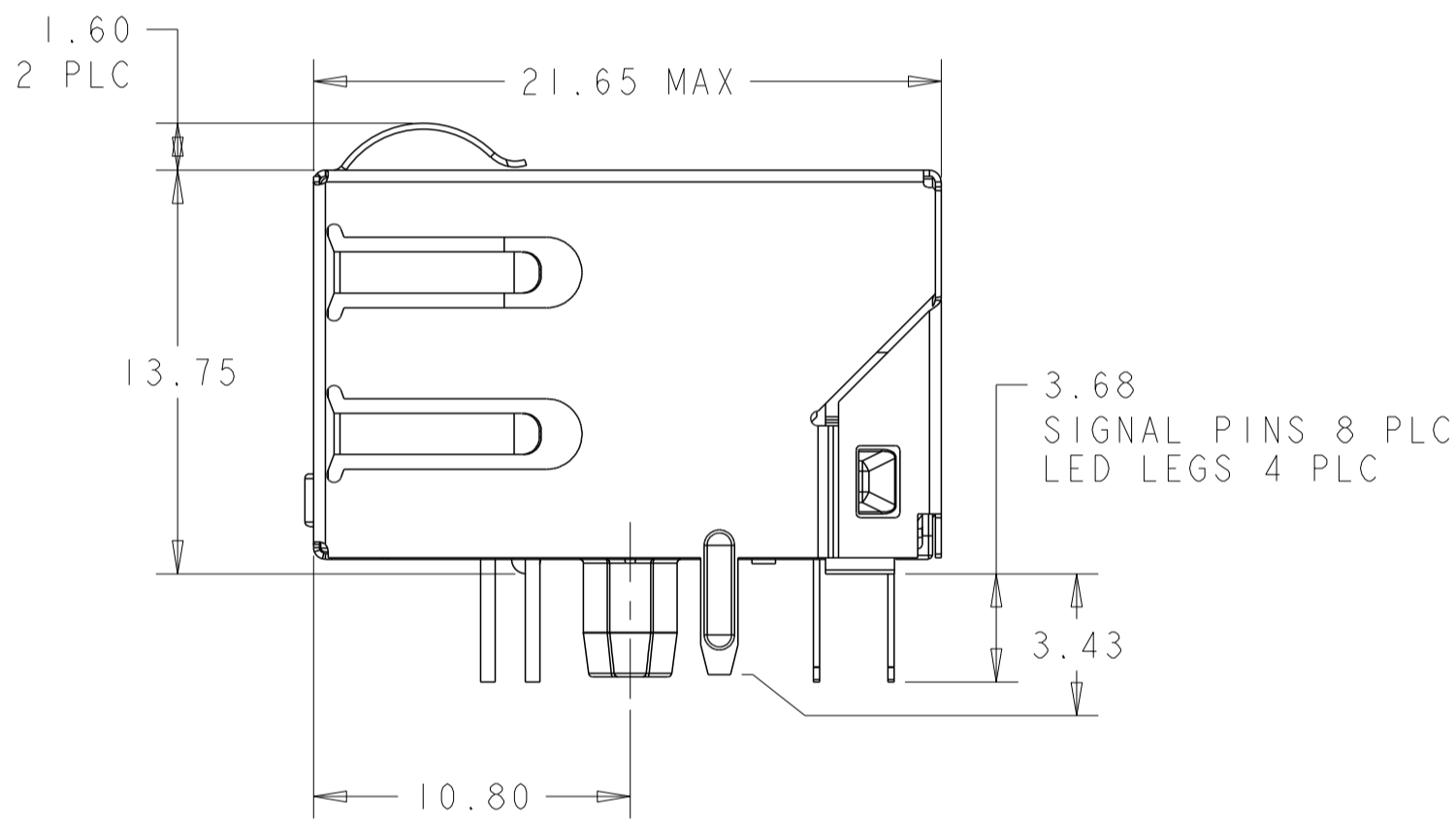
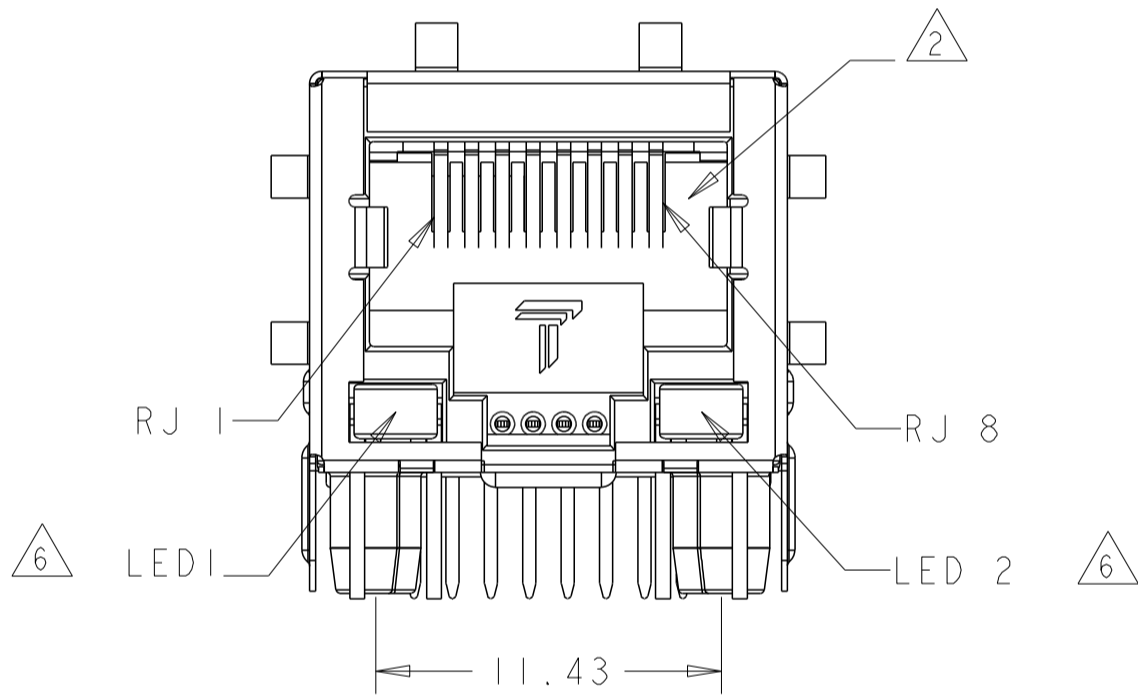
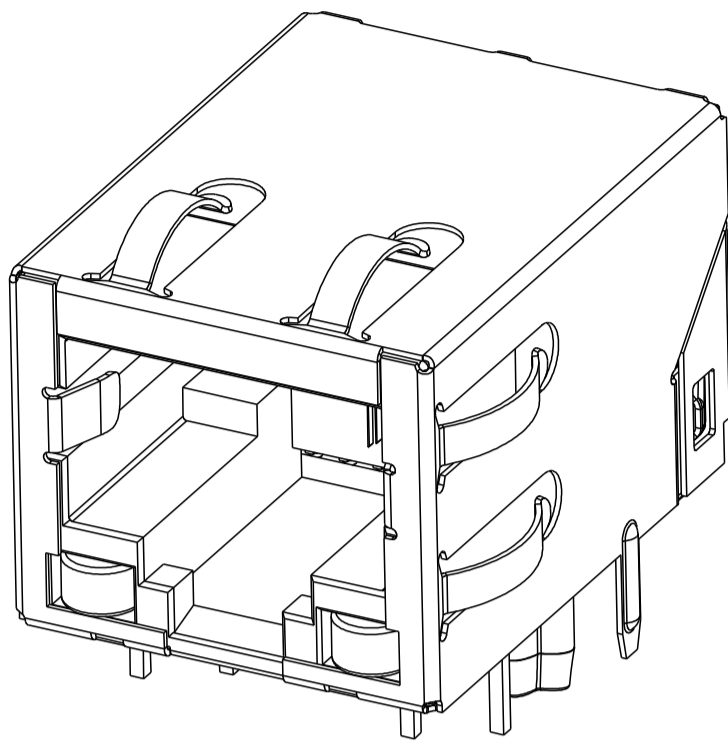
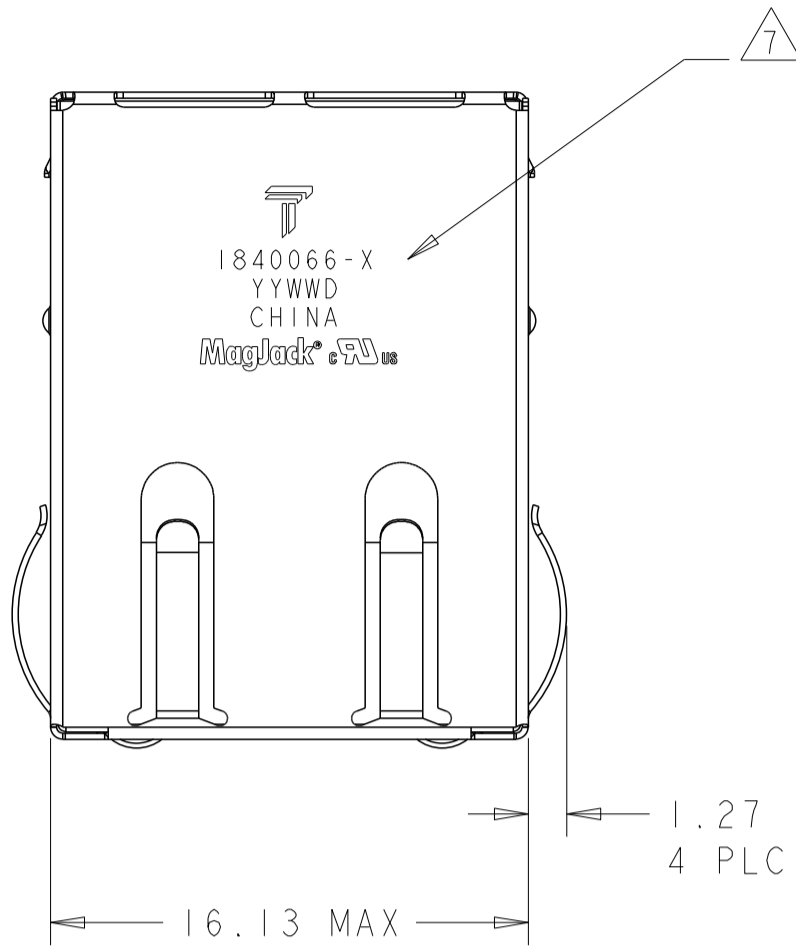
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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
5736910 5939955 6425781 6428361 6554638 6840817 7123117  
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
#	LYR	DESCRIPTION	DATE	DWN APVD
D		EC-1507036	29JUL2015	RL TY



1. MATERIALS
- HOUSING: THERMOPLASTIC, FLAMMABILITY RATING UL 94V-0.
  - SHIELD: BRASS C26800 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.
  - 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

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

- 3 MAGNETICS
- APPLICATION: 10/100 BASE-T
  - 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 0°C TO 70°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 0°C TO 70°C.






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


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

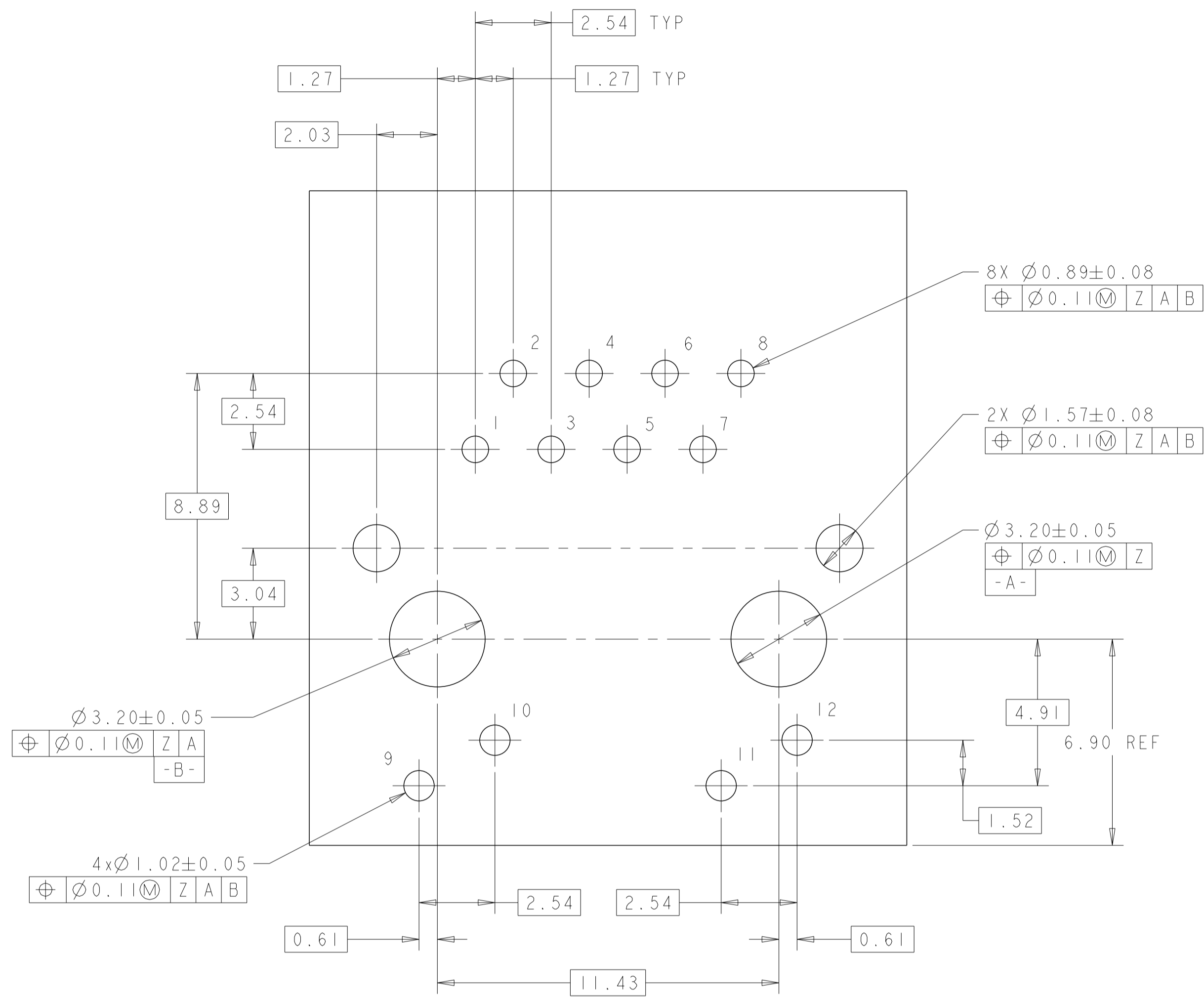
7 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

8. THESE PARTS ARE 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.

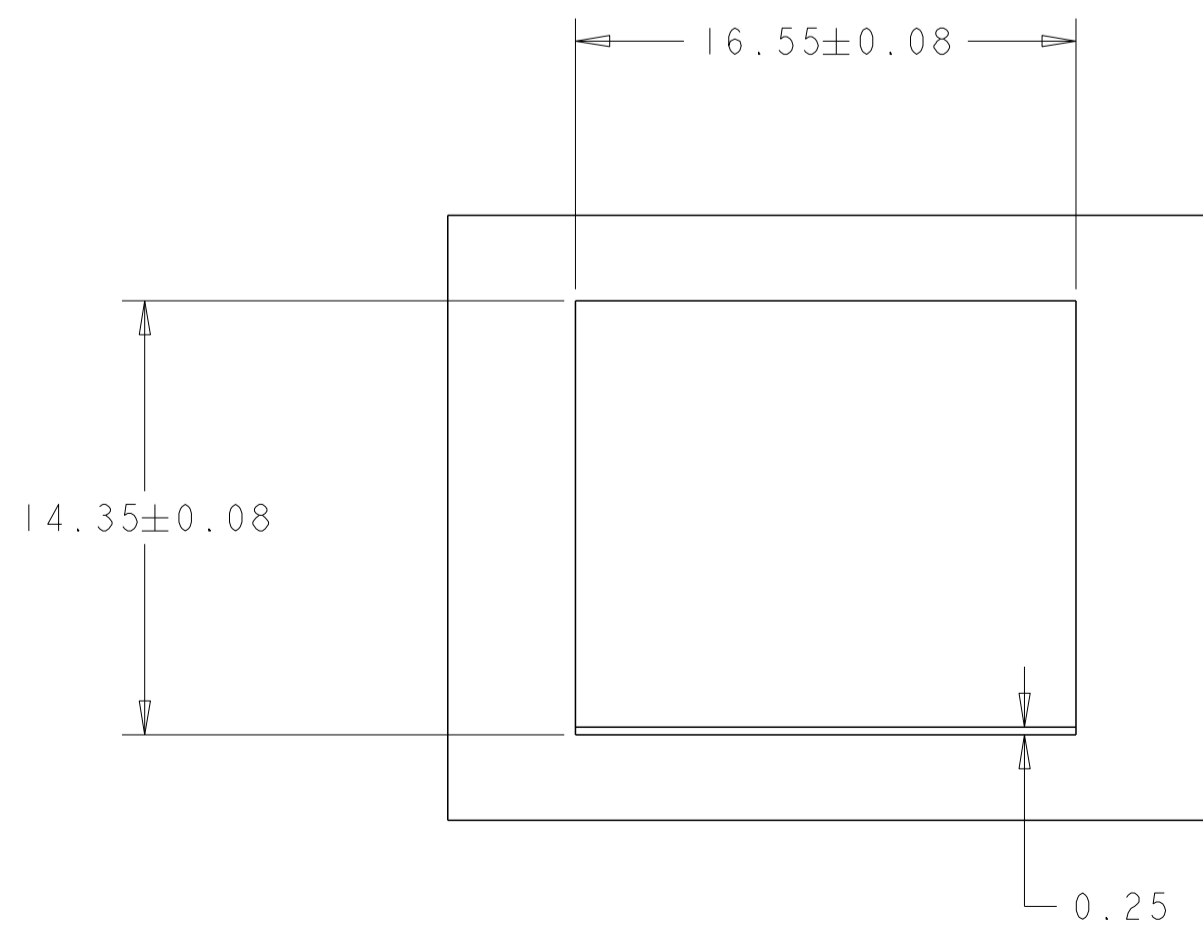
9 EMI FINGERS ARE OPTIONAL

NO	GREEN	-	-	YELLOW	1840066-7
YES	GREEN	-	YELLOW	-	1840066-6
YES	GREEN	YELLOW	GREEN	-	1840066-5
EMI FINGER 	 10	10  9	 12	12  11	PART NUMBER
	LED 1		LED 2		

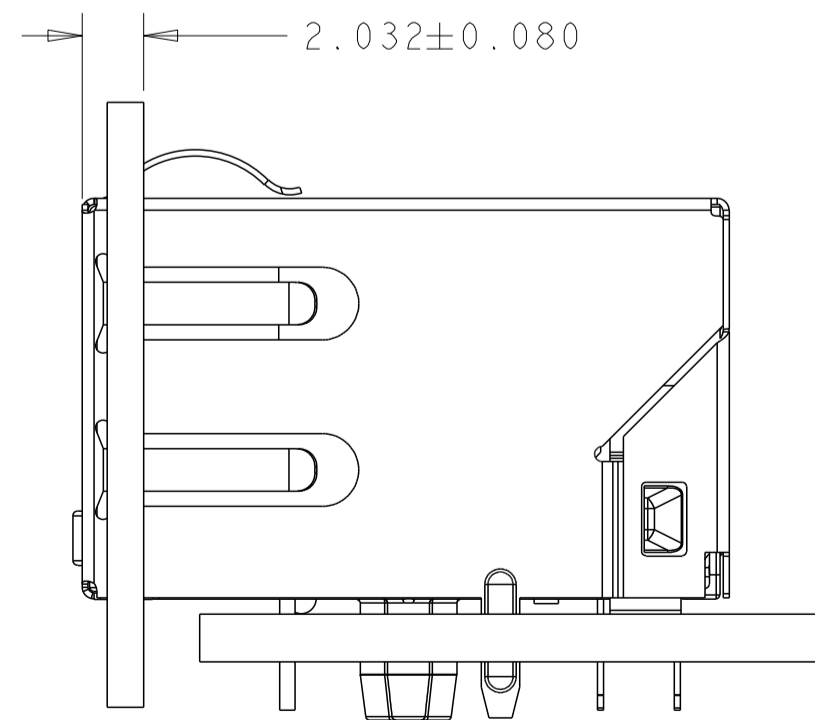
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU 18JAN2012		 <b>trp</b> CONNECTOR a bel group DONGGUAN CHINA		
DIMENSIONS: mm		CHK TOWER YU / FRANK LIU 18JAN2012 APVD KEITH ZHU 18JAN2012				
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC $\pm$ 0.25 1 PLC $\pm$ 0.25 2 PLC $\pm$ 0.25 3 PLC $\pm$ 4 PLC $\pm$ ANGLES APPLICATION SPEC		MODEL NAME MAGJACK		DESC 1X1 326P13 10/100 TAB DOWN W/ LED		
PRODUCT SPEC 108-104004		SINGLE Non-PoE		SIZE A1	CAGE CODE C=1840066	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 4:1 SHEET 1 OF 2 REV D			



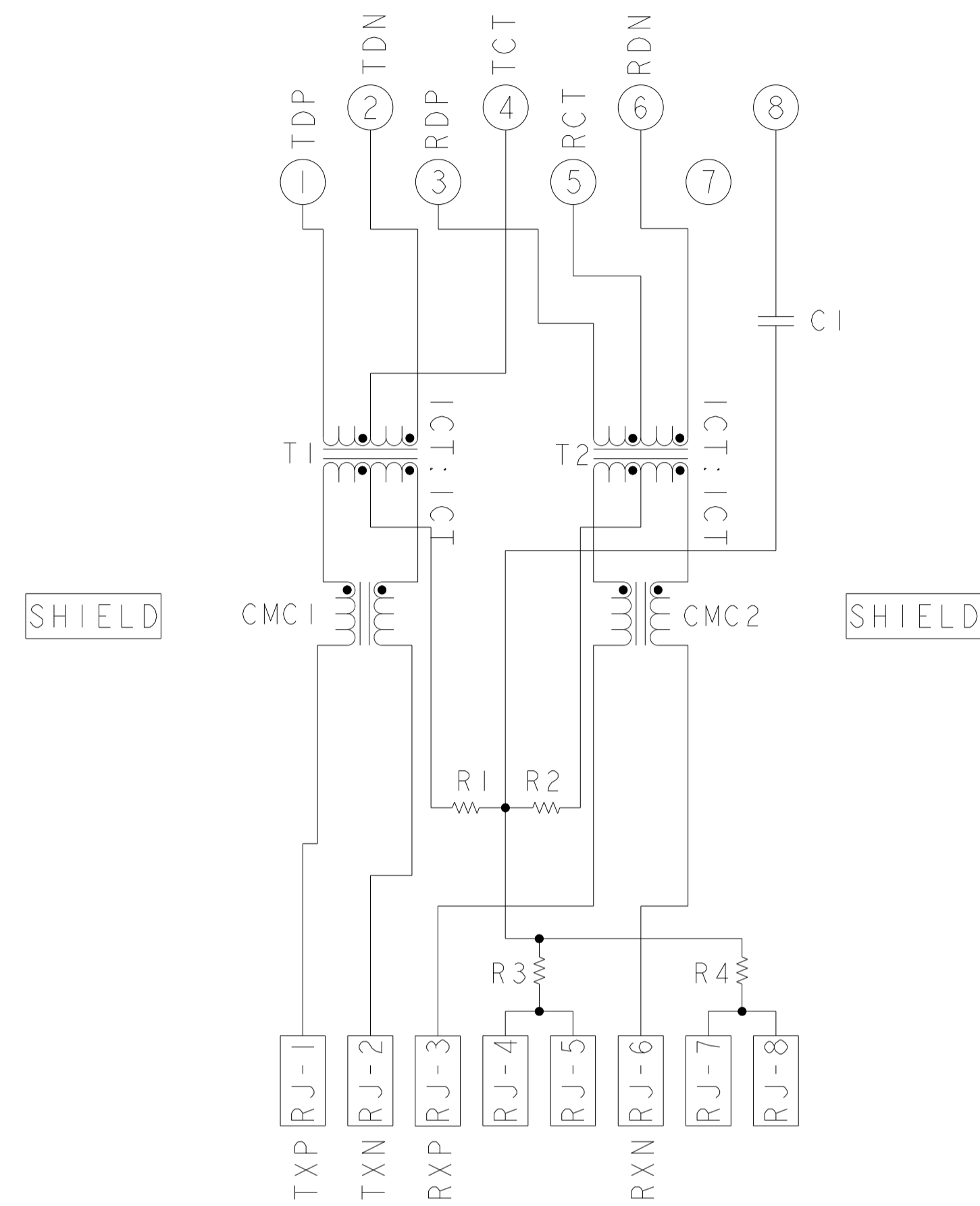
SUGGESTED PCB LAYOUT  
COMPENENT SIDE





SUGGESTED PANEL CUTOUT  
SCALE 4:1



326P13 10/100 BASE-T CIRCUIT  $\triangle_3 \triangle_4$



C1=1000PF,2kV,CAPACITOR  
R1-R4=75 Ohms,RESISTORS

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN ROY LIU 18JAN2012		 <b>trp</b> CONNECTOR a bel group		DONGGUAN CHINA			
DIMENSIONS: mm		CHK TOWER YU / FRANK LIU 18JAN2012							
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 18JAN2012							
		0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ± APPLICATION SPEC ±		MODEL NAME MAGJACK		DESC 1X1 326P13 10/100 TAB DOWN W/ LED			
PRODUCT SPEC 108-104004		SINGLE Non-PoE		SIZE A1		CAGE CODE 1840066		RESTRICTED TO -	
CUSTOMER DRAWING		SCALE 4:1		SHEET 2 OF 2		REV D			

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

1840066-6