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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
D		EC-1507036	29JUL2015	RL

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.

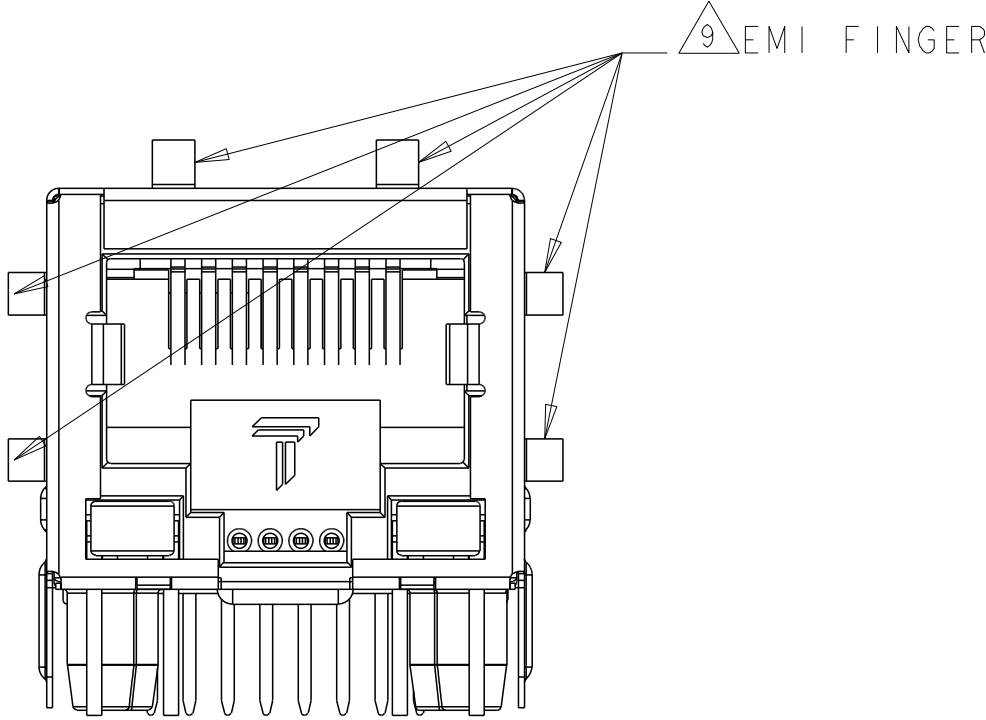
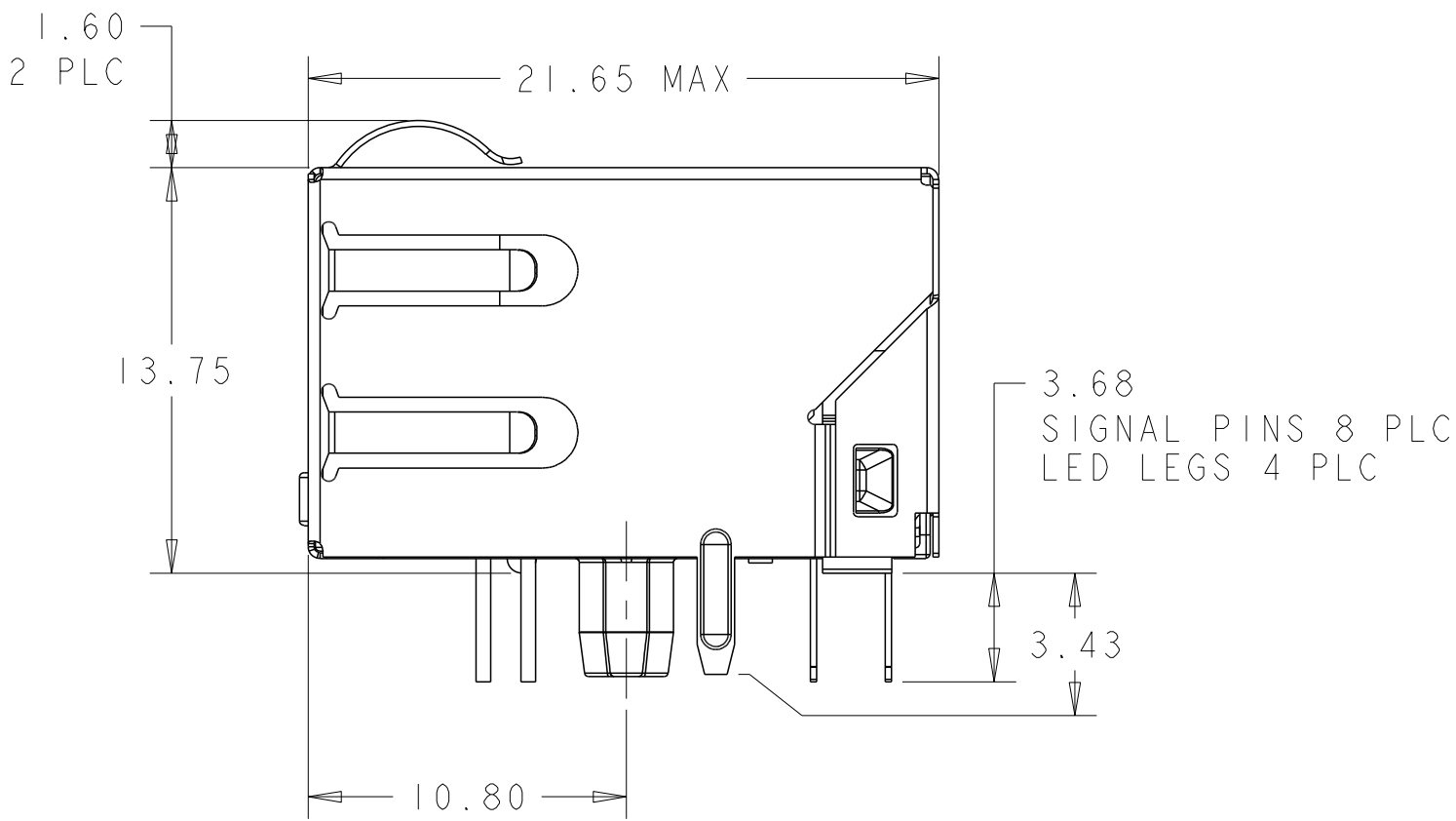
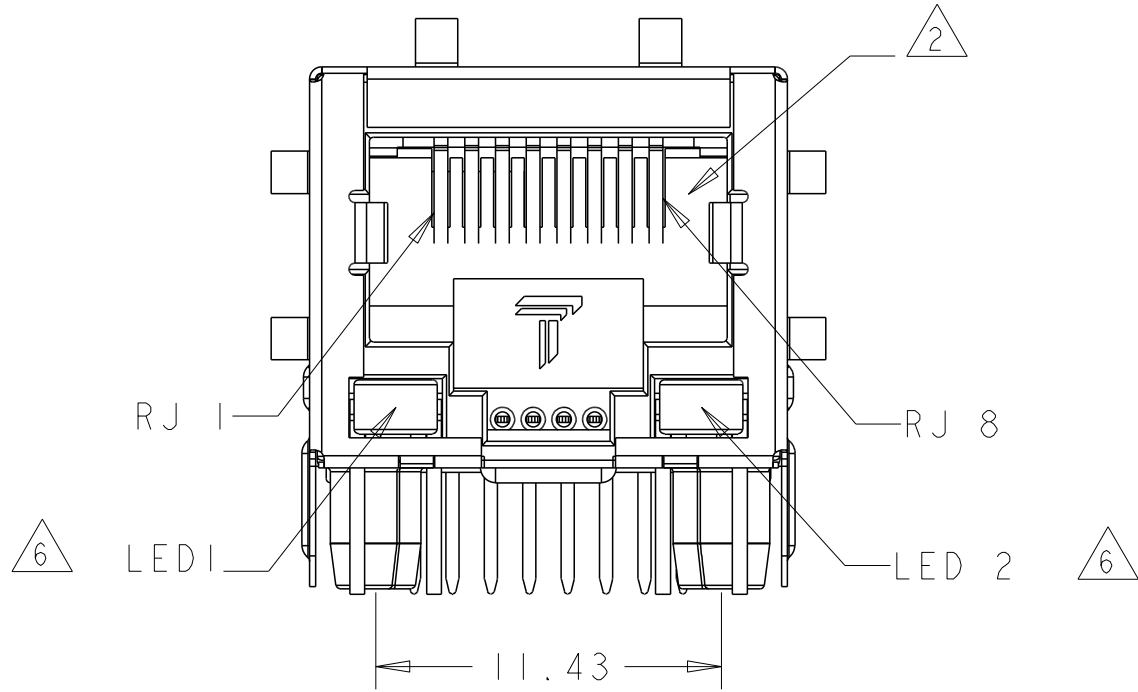
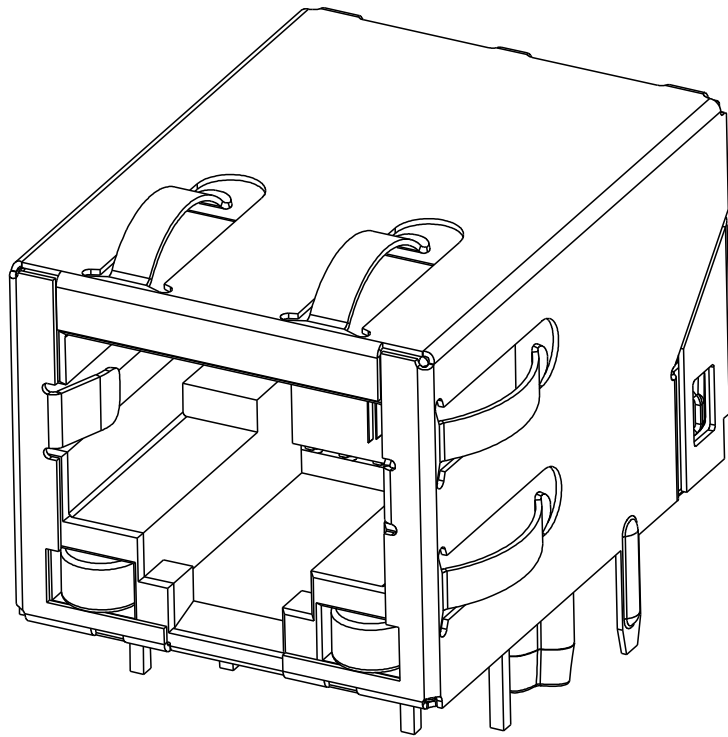
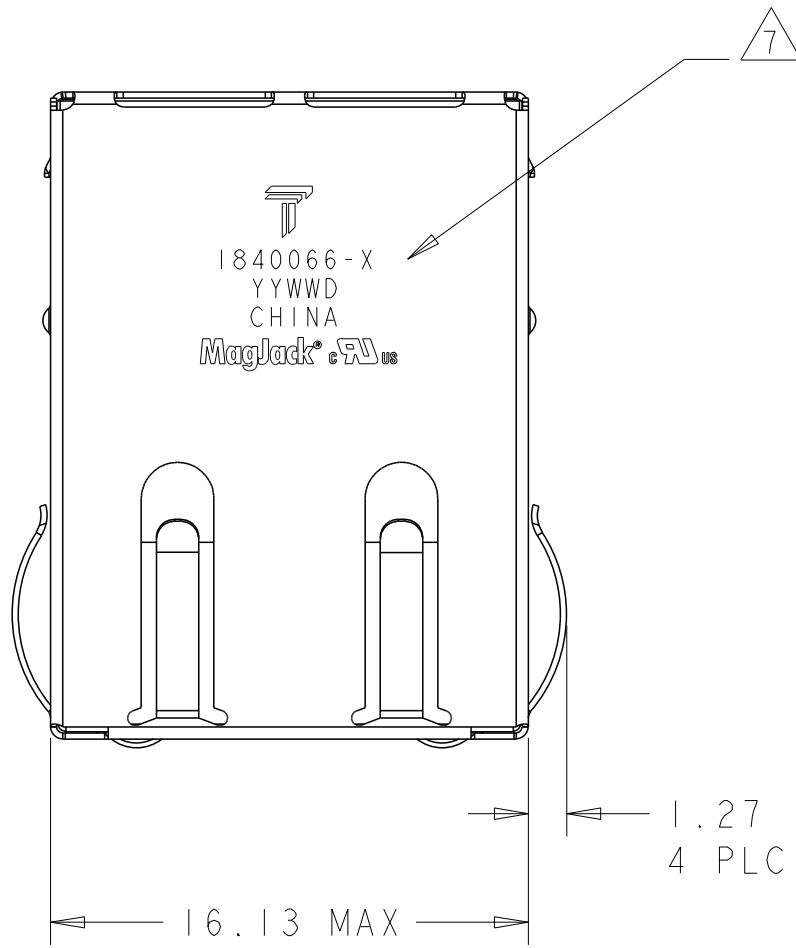
5 INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.

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

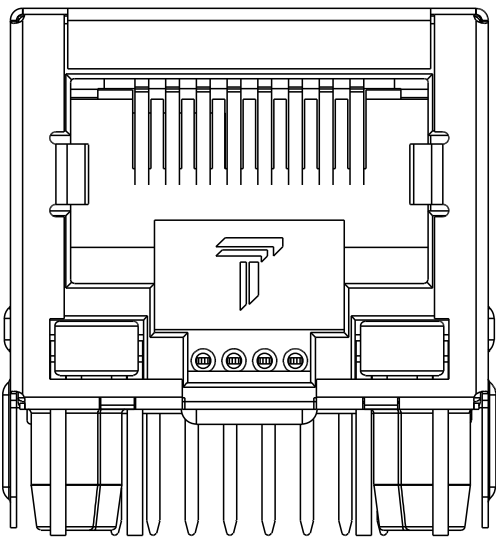
7 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

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



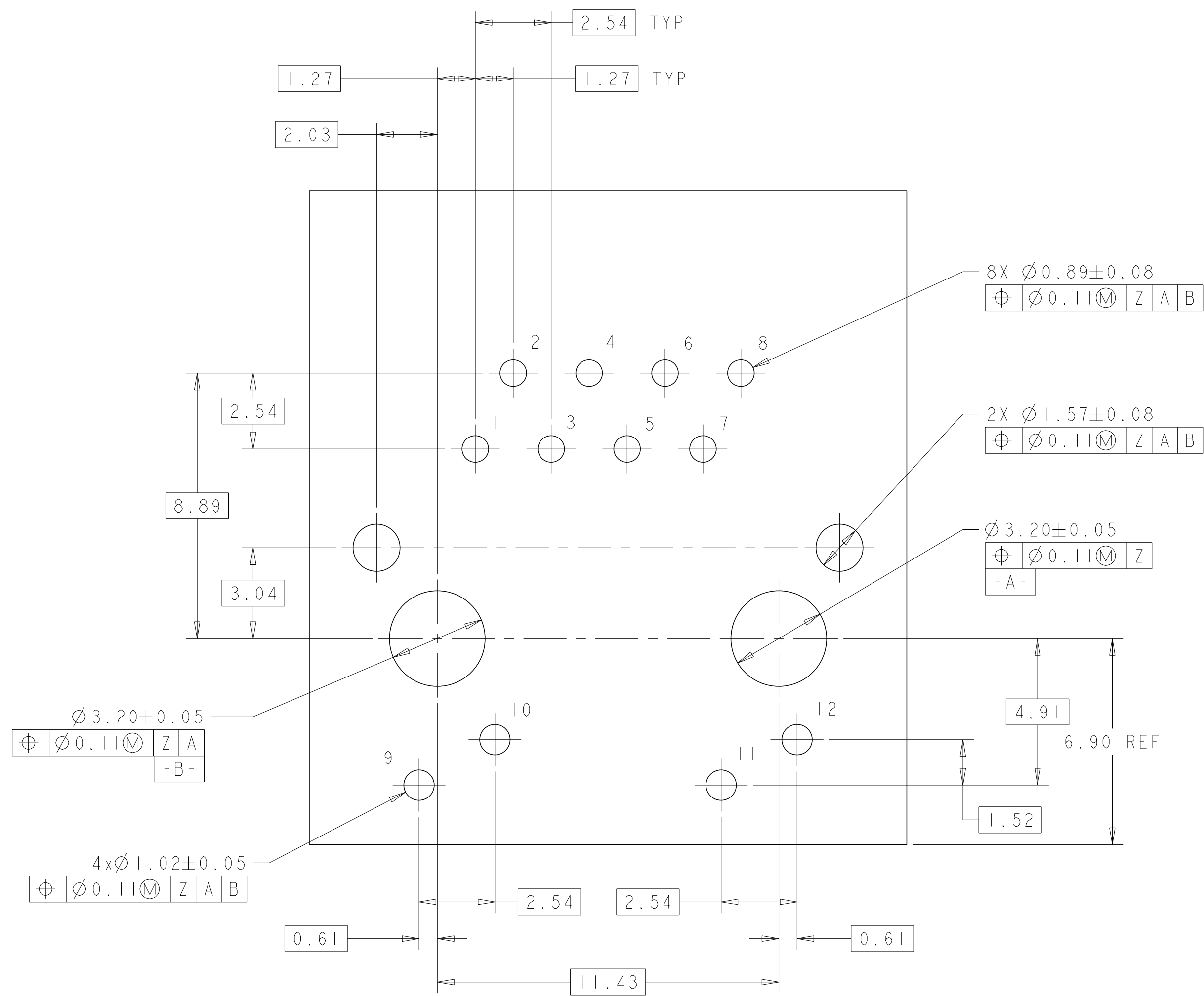
FOR 1840066-5
1840066-6



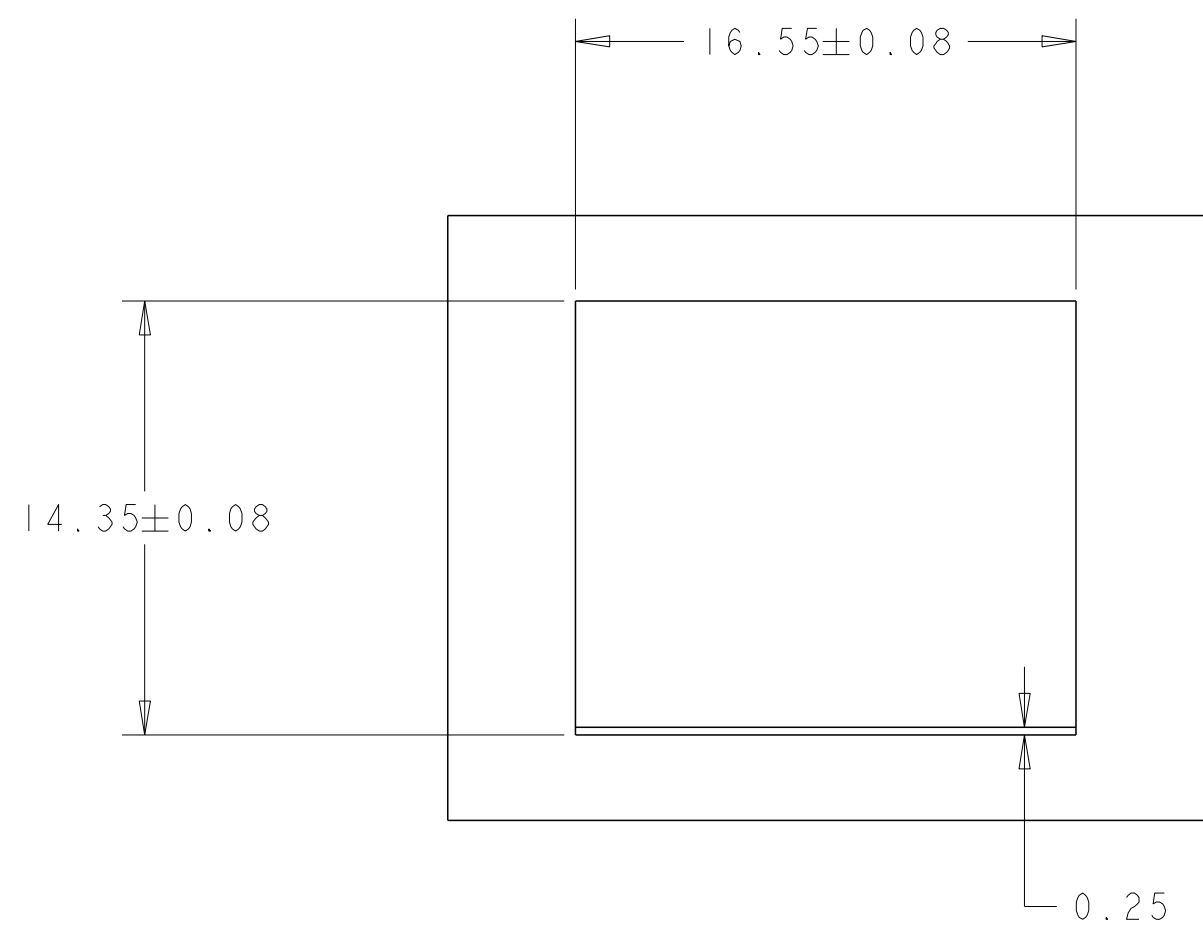
FOR 1840066-7

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

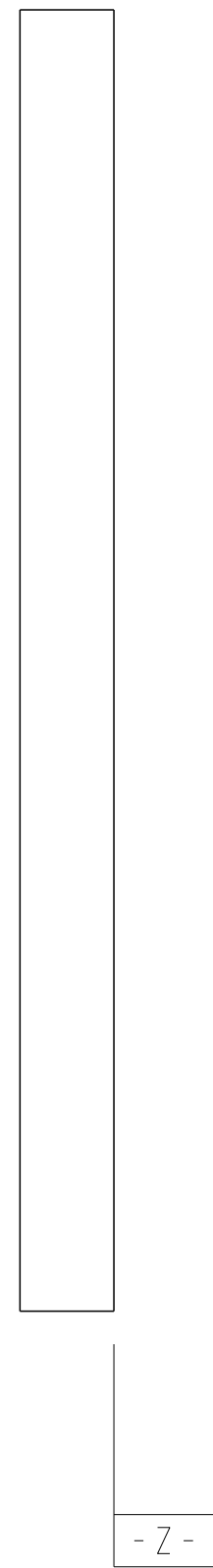
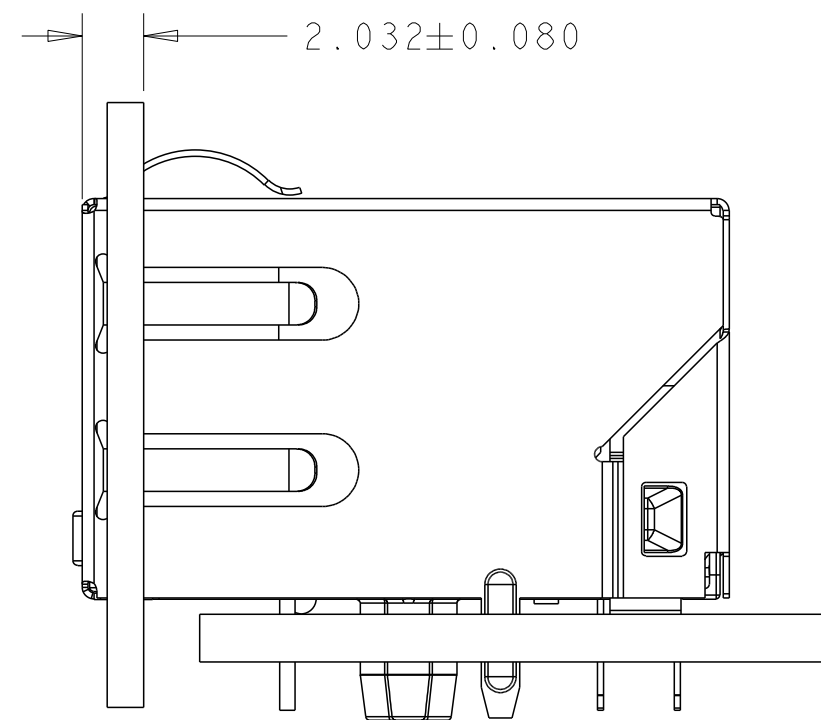
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU 18JAN2012			trp CONNECTOR a bel group DONGGUAN CHINA			
DIMENSIONS:		CHK TOWER YU / FRANK LIU 18JAN2012						
mm		APVD KEITH ZHU 18JAN2012						
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME	DESC	1X1 326P13 10/100 TAB DOWN W/ LED			
	0 PLC	±0.25	MAGJACK	SINGLE Non-PoE				
	1 PLC	±0.25						
	2 PLC	±0.25						
	3 PLC	±						
ANGLES		4 PLC		±				
PRODUCT SPEC		APPLICATION SPEC		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
108-104004		-		A1		C=1840066	-	
		CUSTOMER DRAWING		SCALE		4:1	SHEET 1 OF 2	REV D



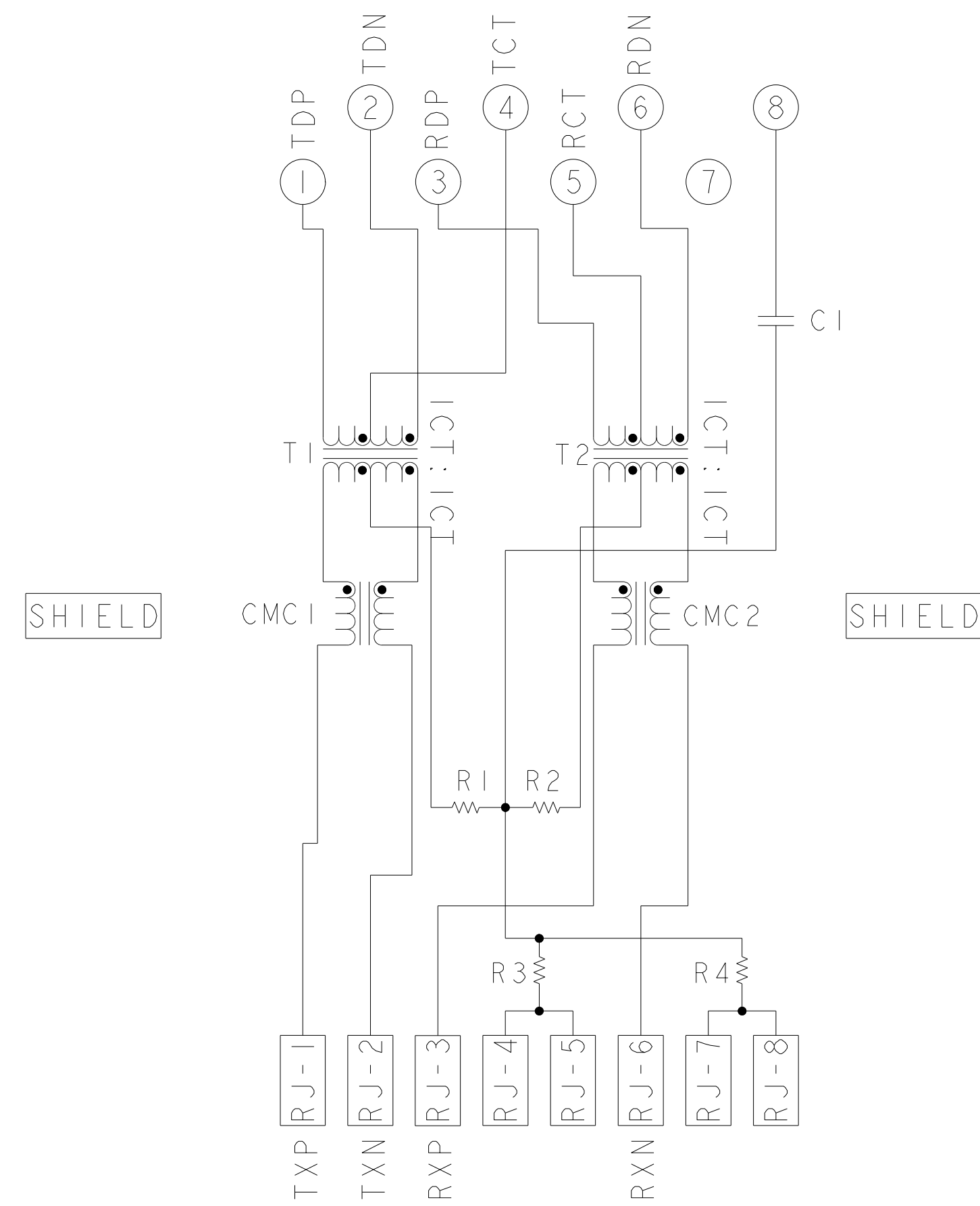
SUGGESTED PCB LAYOUT
COMPENENT SIDE



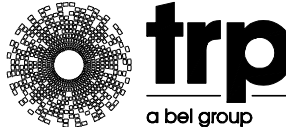
SUGGESTED PANEL CUTOUT
SCALE 4:1



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



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

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DIMENSIONS: mm		CHK TOWER YU / FRANK LIU 18JAN2012				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 18JAN2012	MODEL NAME		DESC	
0 PLC ± 0.25 1 PLC ± 0.25 2 PLC ± 0.25 3 PLC ± 0.25 4 PLC ± 0.25 ANGLES $\pm$ APPLICATION SPEC $\pm$		MAGJACK		1X1 326P13 10/100 TAB DOWN W/ LED		RESTRICTED TO -
PRODUCT SPEC 108-104004		SINGLE Non-PoE		SIZE A1	CAGE CODE C=1840066	
CUSTOMER DRAWING		SCALE 4:1		SHEET 2	OF 2	REV D