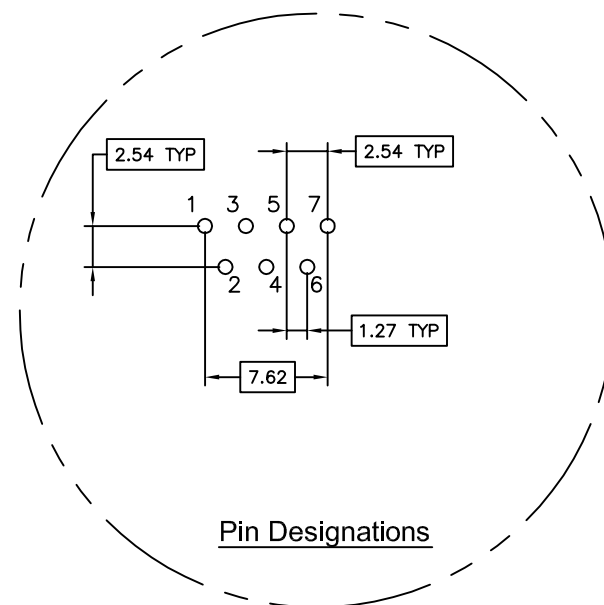
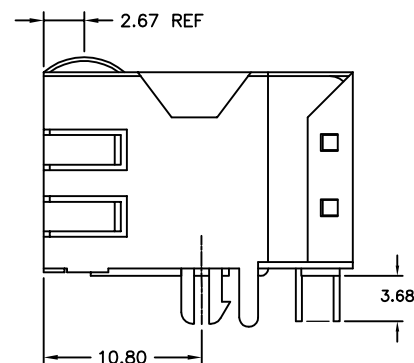
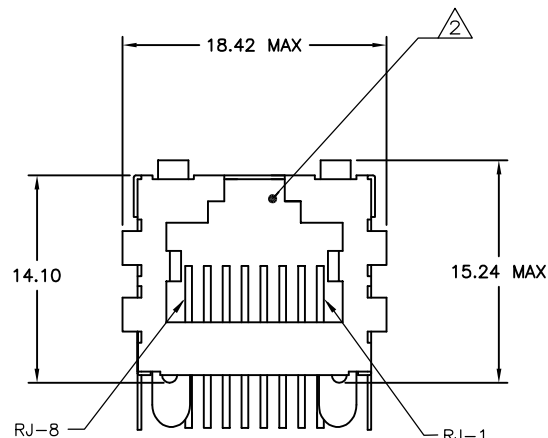
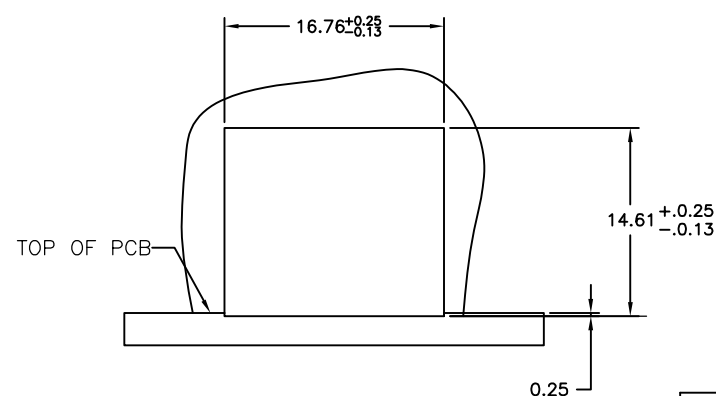




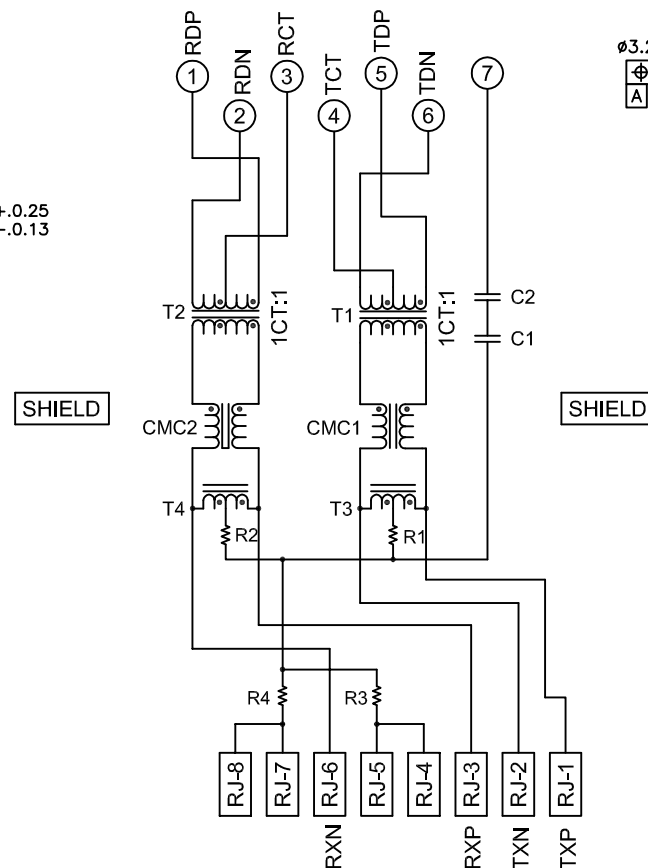
- △ MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - C26800 BRASS PREPLATED WITH 30uINCH MIN SEMI-BRIGHT NICKEL, SOLDER TABS POST DIPPED WITH 100uINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - PHOSPHOR BRONZE, 50uINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50uINCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100uINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- △ 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, 8mA DC 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
 - 33-20xLOG(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 DURATION.

4. OPERATING TEMPERATURE: FROM 0 °C TO +70 °C.
5. INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRIC TO SUPPORT AUTO-MDI/MDIX.
6. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
7. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
8. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESSES. PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

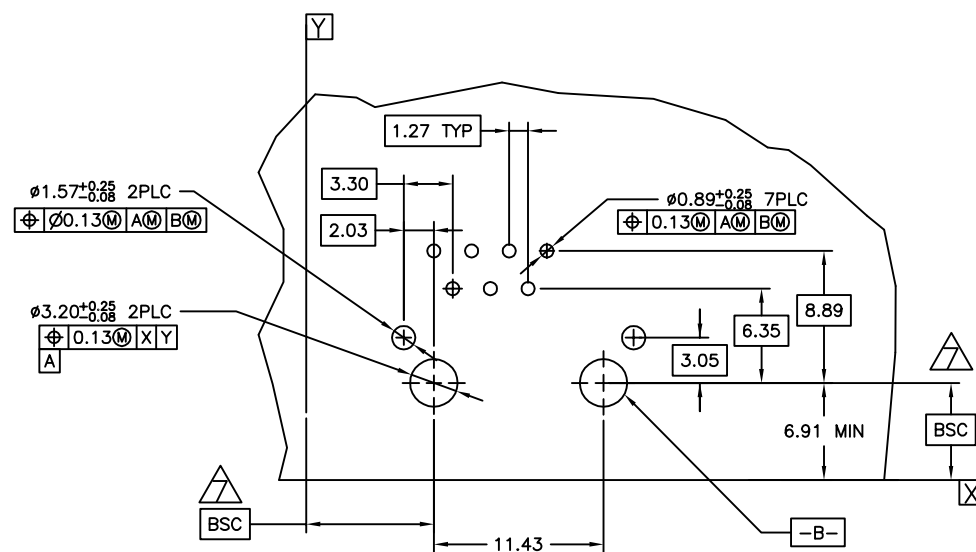


SUGGESTED PANEL CUTOUT

792 10/100 BASE-T CIRCUIT



C1-C2 = 1000 pF, 4 kV DECOUPLING CAPACITOR,
R1-R4 = 75 OHMS, RESISTORS



Suggested PCB Layout (Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		001 LEON HUANG 11DEC2008 QSE TONY YUAN 11DEC2008 APD TEDY XIONG 11DEC2008		 TRP connector Dongguan China	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: mm		NAME 1X1 MAG45(TM), MODULAR JACK, 10/100 792 SCHEMATIC MAGNETIC CIRCUIT, SHIELDED, DOUBLE DECOUPLING CAPACITOR, NO LEDS	
		0 PLC ± 0.25 1 PLC ± 0.25 2 PLC ± 0.25 3 PLC ± 0.25 4 ANGLES ± 0.25		PRODUCT SPEC 108-104004 APPLICATION SPEC —	
MATERIAL 		FINISH 		SIZE A1 QSE CODE 1840761 DRAWING NO RESTRICTED TO	
		WEIGHT —		CUSTOMER DRAWING SCALE NTS SHEET 1 of 1 REV C	