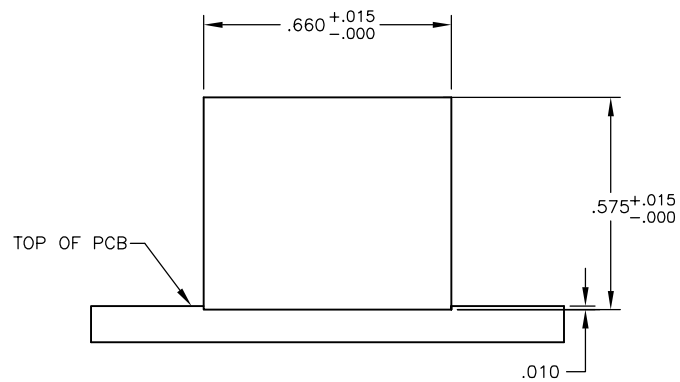
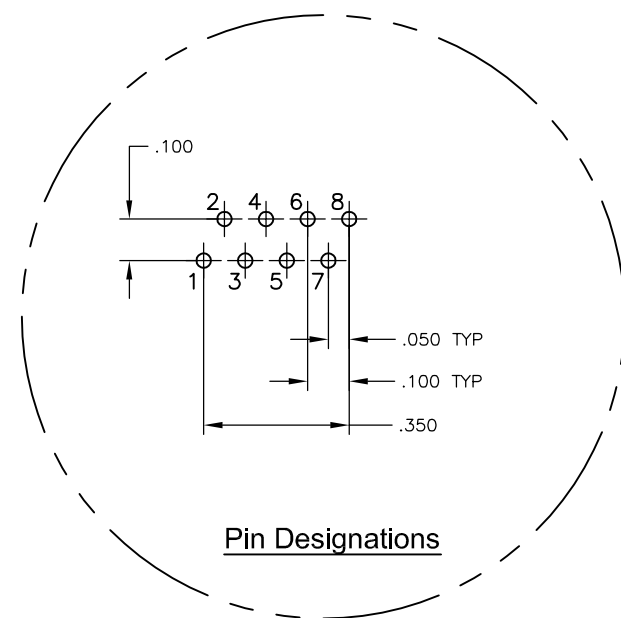
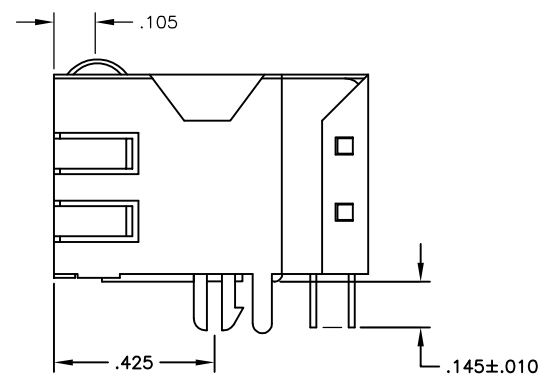
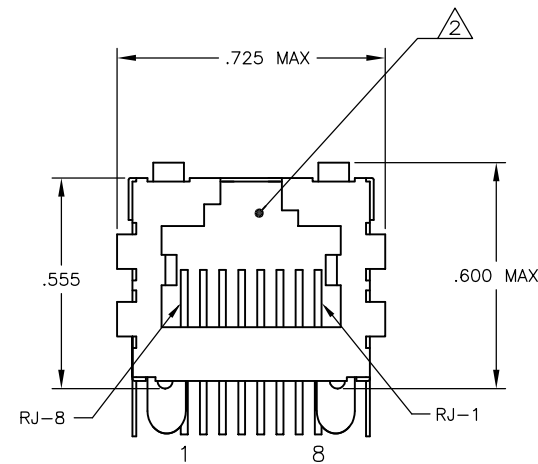
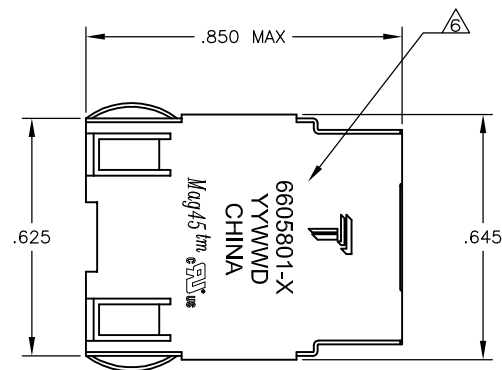


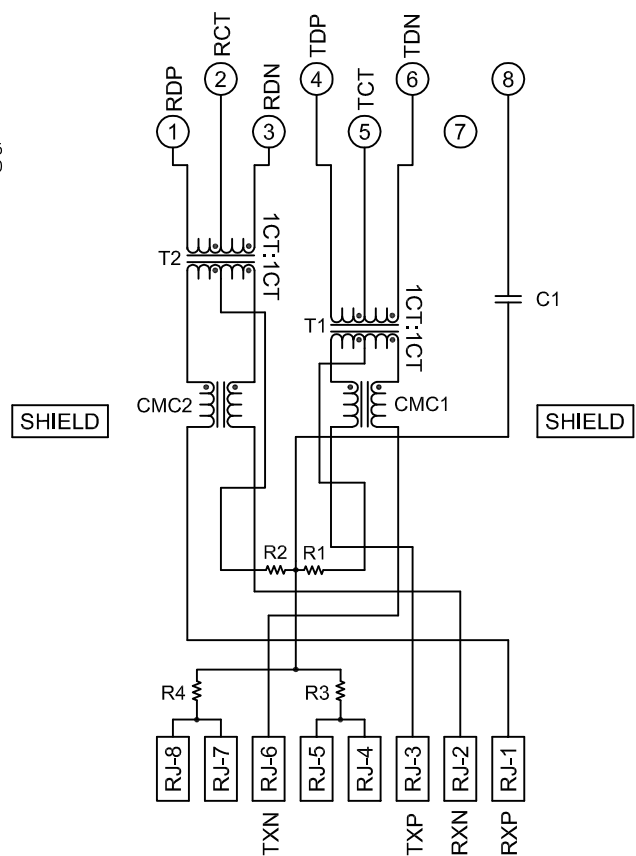
REVISIONS					
#	LN	DESCRIPTION	DATE	BY	APP
D		LOGO CHANGE	07APR2013	QL	KZ

**MECHANICAL:**

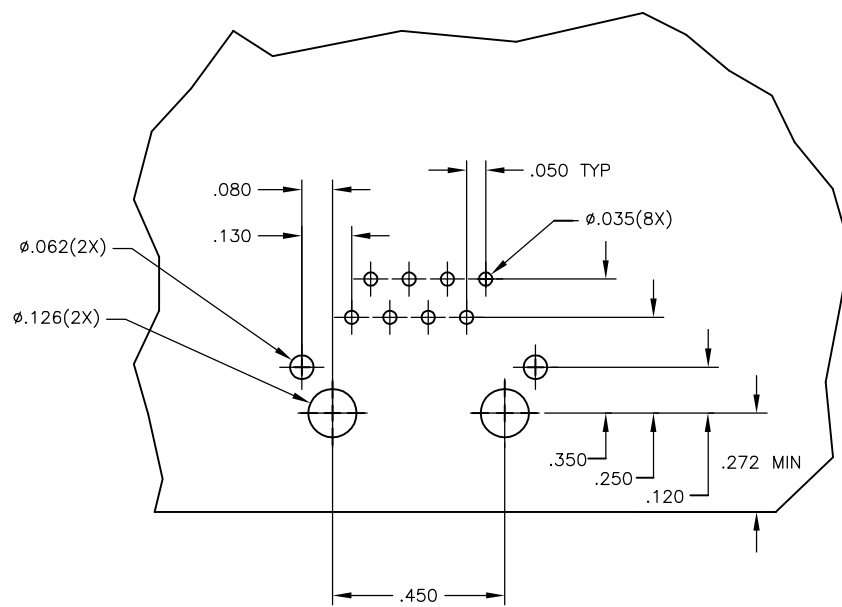


**Suggested Panel Cutout**

**ELECTRICAL:**  
 766P1 SERIES MAGNETIC CIRCUIT



C1 = 1000 pF, 2KV DECOUPLING CAPACITOR  
 R1-R4 = 75 OHMS, 1/16 W RESISTORS



**Suggested PCB Layout  
 (Component Side)**

- 1 MATERIALS:
  - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
  - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL, SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
  - MOD JACK CONTACTS - 0.0157" x 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
- 2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3 MAGNETICS
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
  - OPEN CIRCUIT INDUCTANCE (OCL): 350μH 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
    - 33-20\*LOG(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 CONNECTIONS ARE FOR HUB 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. THE PART IS 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.

6605801-1  
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN L. VARELA - DOCKS	02MAR2005	TRP connector Dongguan China	
DIMENSIONS: INCHES		CHK D. FAROLE	02MAR2005	PRODUCT SPEC 108-2100	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D D. FAROLE	02MAR2005	APPLICATION SPEC	
0 PLG	± -	NAME		1X1 MAG45(TM), MODULAR JACK, SHIELDED, 7H2P1 SCHEMATIC, 766P1 SERIES MAGNETIC CIRCUIT, DECOUPLING CAPACITOR, NO LEADS	
1 PLG	± .010	SIZE		A1	
2 PLG	± .008	CASE CODE		00779	
3 PLG	± .005	DRAWING NO		C=6605801	
4 PLG	± .003	MATERIAL		RESTRICTED TO	
ANGLES	± -	WEIGHT		-	
FINISH	± -	CUSTOMER DRAWING		SCALE NTS SHEET 1 OF 1 REV D	