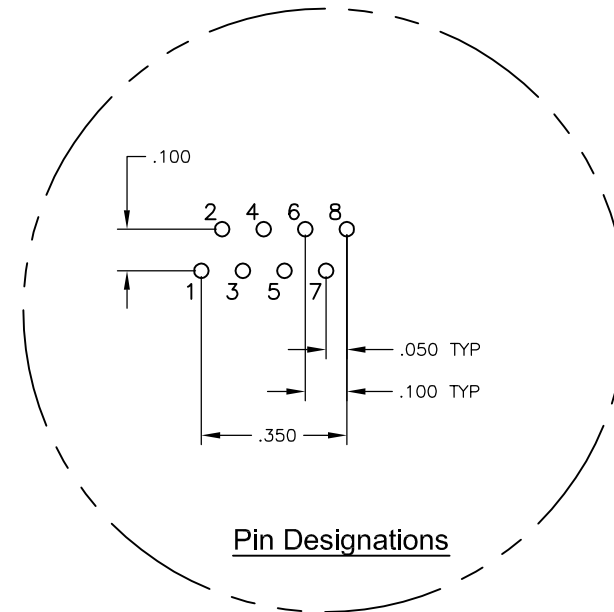
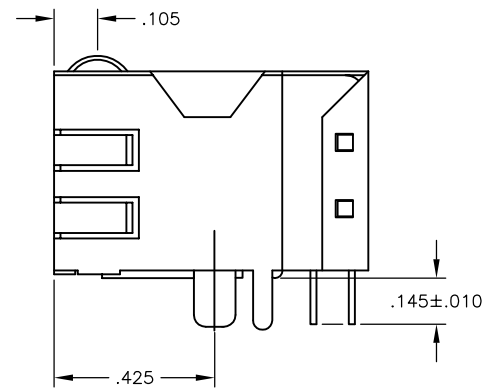
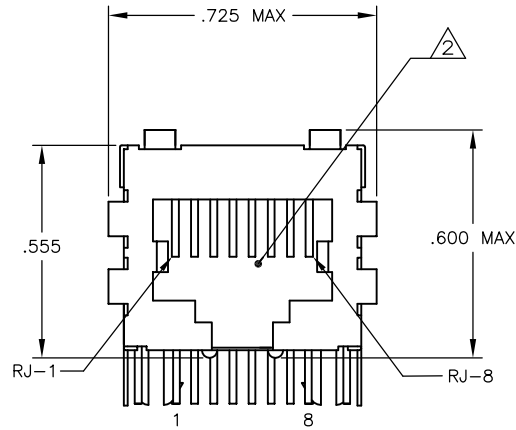
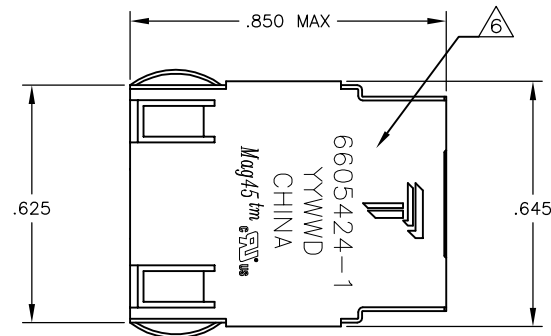


REVISIONS					
#	LN	DESCRIPTION	DATE	BY	APP
D		LOGO CHANGE	23APR2013	JC	KZ

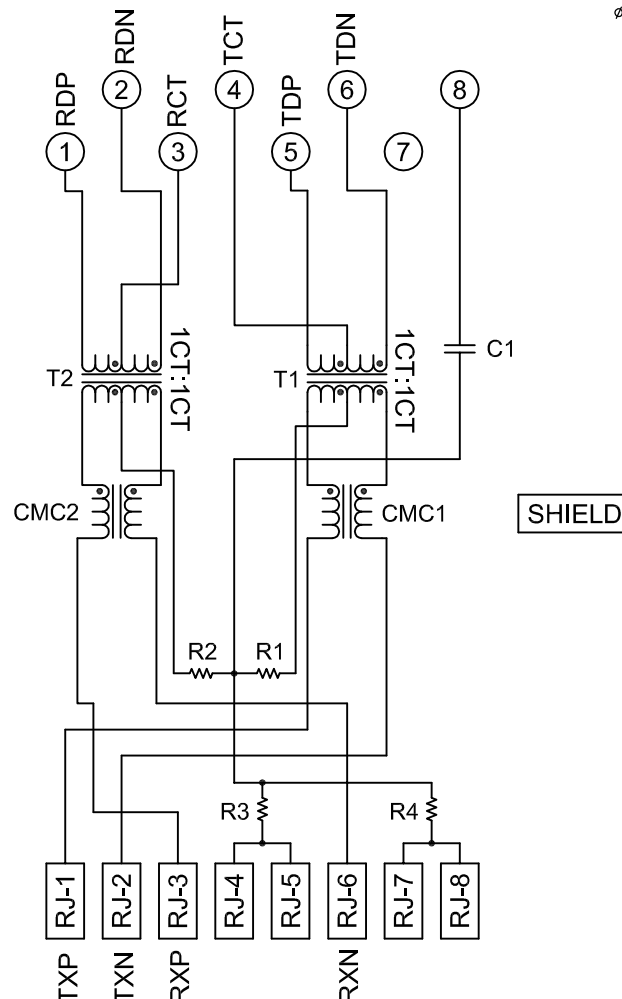
MECHANICAL:



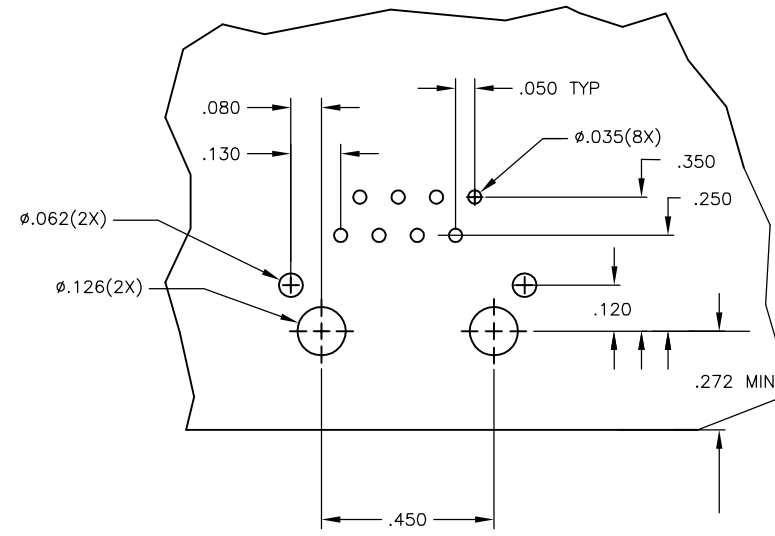
- △ **MATERIALS:**
 //OUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE.
 SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
- △ **RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.**
- △ **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**
- △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND SUPPORTS AUTO-MDI/MDIX.
- △ 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 SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.

ELECTRICAL:

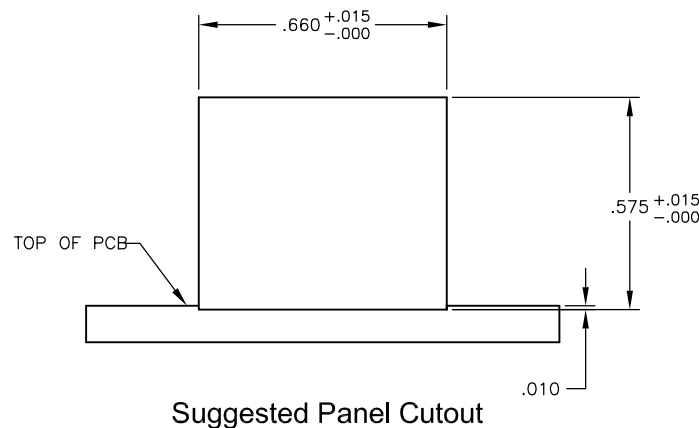
426 SERIES MAGNETIC CIRCUIT



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



Suggested PCB Layout (Component Side)



Suggested Panel Cutout

6605424-1
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN: G. ATTADIA - 08MAR2005	TRP connector	
DIMENSIONS: INCHES		CHK: D. FAROLE - 08MAR2005	Dongguan China	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D: D. FAROLE - 08MAR2005	PRODUCT SPEC: 108-2100	
0 PLC ± -		NAME: 1X1 MAG45(TM), MODULAR JACK, 4N2 SCHEMATIC, 426 SERIES CIRCUIT, SHIELDED, DECOUPLING CAPACITOR, NO LEADS	APPLICATION SPEC: 108-2100	
1 PLC ± .010		SIZE: A1	CASE CODE: C=6605424	
2 PLC ± .005		SCALE: NTS	SHEET 1 OF 1	
3 PLC ± -		REV: D		
4 PLC ± -				
ANGLES *				
MATERIAL: 1		CUSTOMER DRAWING		