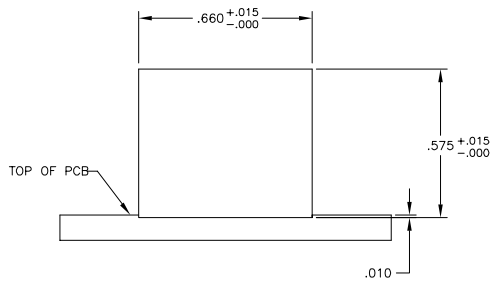
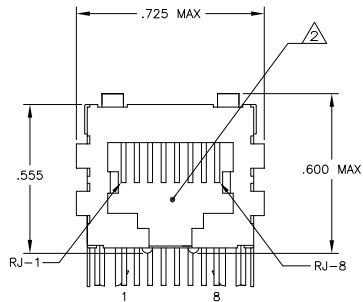
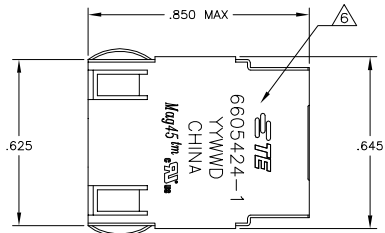


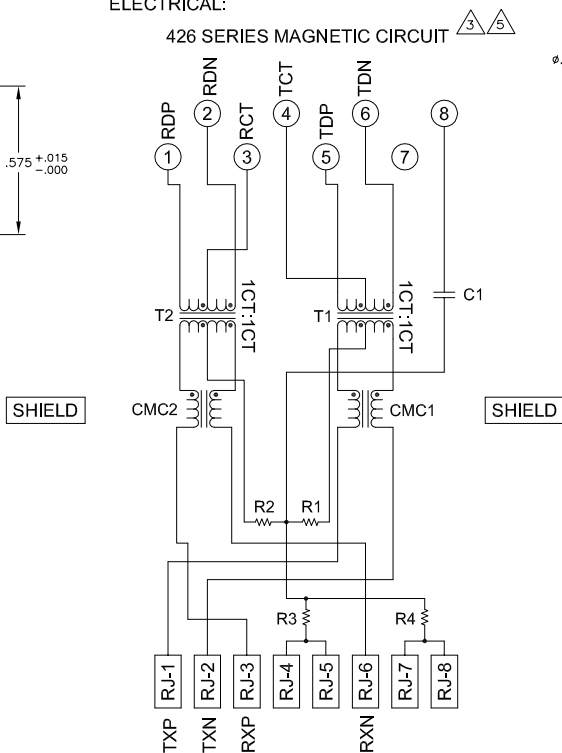
MECHANICAL:



Suggested Panel Cutout

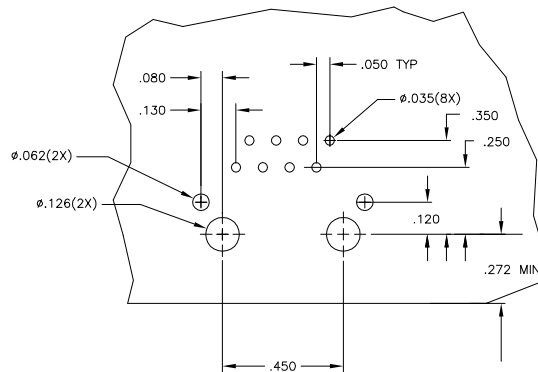
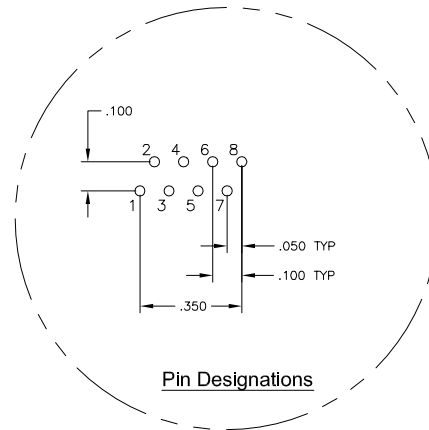
ELECTRICAL:

426 SERIES MAGNETIC CIRCUIT



C1 = 1000 pF, 2kV CAPACITOR

R1-R4 = 75 OHMS, 1/16 W RESISTORS



Suggested PCB Layout
(Component Side)

△ 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.

△ 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.

△ TE CONNECTIVITY 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.

6605424-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV. 01 ATTADIA - 02/02/2005	DATE	02/02/2005	NAME	TE Connectivity
DIMENSIONS:		CHG. 01 FAROLE 02/02/2005	DATE	02/02/2005	NAME	TE Connectivity
INCHES		APD 01 FAROLE 02/02/2005	DATE	02/02/2005	NAME	TE Connectivity
MILLIMETERS		APD 01 FAROLE 02/02/2005	DATE	02/02/2005	NAME	TE Connectivity
MATERIAL		PRODUCT SPEC	108-2100	SIZE	DATE CODE	DRAWING NO
FINISH		APPLICATION SPEC	108-2100	SIZE	DATE CODE	DRAWING NO
RESTRICTED TO		WEIGHT	—	SCALE	NTS	SHEET 1 OF 1
CUSTOMER DRAWING		SCALE	NTS	SHEET	1 OF 1	REV C