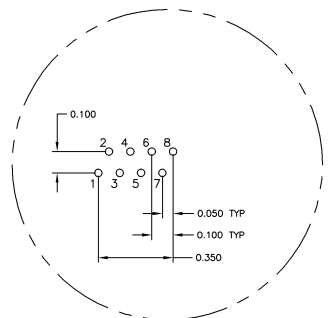
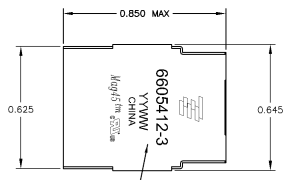
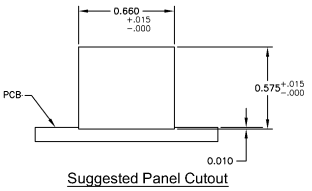
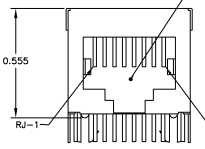


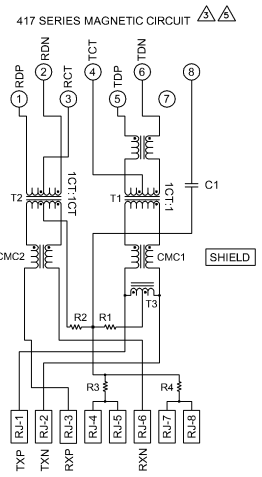
MECHANICAL:



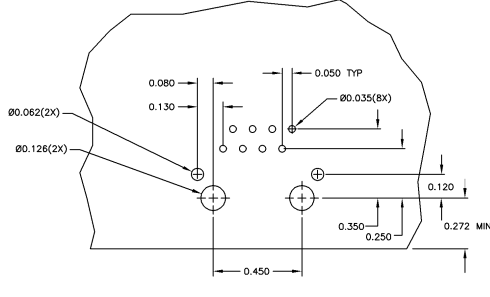
Pin Designations



Suggested Panel Cutout



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 - 0.01" THICK, C26880 BRASS PREPLATED WITH 50μINCH 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 (CHP CABLE) TX = 11, RX = 11
- OPEN CIRCUIT INDUCTANCE (OCL) 350μH MIN @ 100MHz, 0.1V RMS,
- SWAC BIAS FROM 0°C TO 70°C, TX AND RX
- PERFORMANCE @ 25°C
 INSERTION LOSS (IL) 11dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL) 18dB MIN FROM 0.5MHz TO 30MHz
 18-20LOG(F/30dB) MIN FROM 30 MHz TO 60MHz
 12dB MIN FROM 60 MHz TO 80MHz
 CROSSTALK ATTENUATION 35dB MIN FROM 0.5MHz TO 40MHz
 33-20LOG(F/50dB) MIN FROM 40 MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR) 30dB MIN FROM 0.5MHz TO 100MHz
 ISOLATION VOLTAGE (COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM b)
- 4. OPERATING TEMPERATURE FROM 0°C TO +70°C
- △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL, AND THEREFORE DO NOT SUPPORT AUTO-MDUX/MDIX
- △ TYCO ELECTRONICS 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.

THIS DRAWING IS A CONTROLLED DOCUMENT		REV	DATE	REVISIONS
DESIGNED BY	DR	AA	22	PER ECO-08-030702
CHECKED BY	APPROVED BY			
DATE	SCALE			
CUSTOMER DRAWING		SCALE	1:1	

6605412-3
PART NUMBER

D
C
B
A