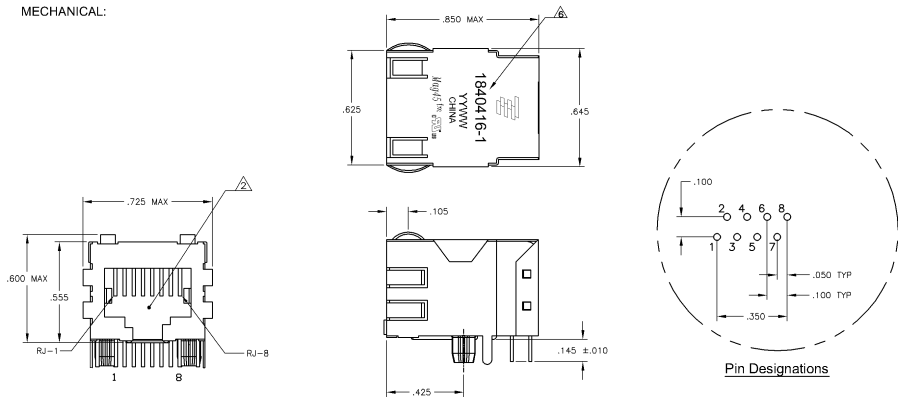


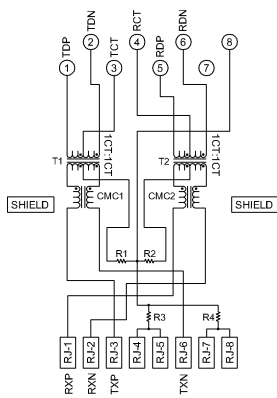
MECHANICAL:



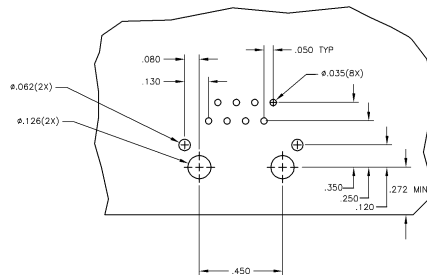
- MATERIALS:**
- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μinch MIN SEMI-BRIGHT NICKEL; SOLDER TABS POST-DIPPED WITH 100μinch MIN SAC SOLDER
 - MOD JACK CONTACTS - .0157" x .018" THICK, PHOSPHOR BRONZE, 50μinch MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50μinch MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100μinch MATTIE 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, EXTENDED TEMPERATURE
 - 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 -40°C TO +85°C; TX AND RX
 - PERFORMANCE @ 25°C:
- INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 15dB MIN FROM 0.5MHz TO 30MHz
 - 18-20LOG(I/O)dB MIN FROM 30.1MHz TO 60MHz
 - 12dB MIN FROM 60.1MHz TO 80MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20LOG(I/O)dB MIN FROM 40.1MHz 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 -40°C TO +85°C.
- THE MAGNETICS ARE SYMMETRICAL, AND SUPPORTS AUTO-MDI/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.

ELECTRICAL:

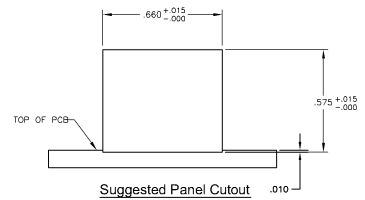
466ET 10/100 Base-T CIRCUIT



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



Suggested PCB Layout
(Component Side)



Suggested Panel Cutout

THIS DRAWING IS A CONTROLLED DOCUMENT		REV	DATE	BY	CHK	1840416-1
DESIGNED BY		REV	DATE	BY	CHK	PART NUMBER
DRAWN BY		REV	DATE	BY	CHK	
CHECKED BY		REV	DATE	BY	CHK	
APPROVED BY		REV	DATE	BY	CHK	
MATERIAL		REV	DATE	BY	CHK	
PART		REV	DATE	BY	CHK	
CUSTOMER DRAWING		REV	DATE	BY	CHK	