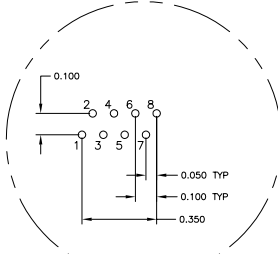
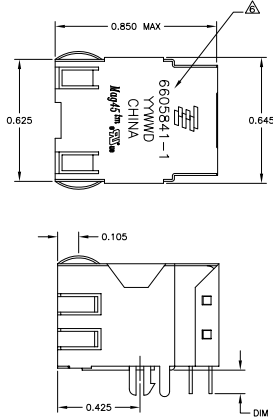
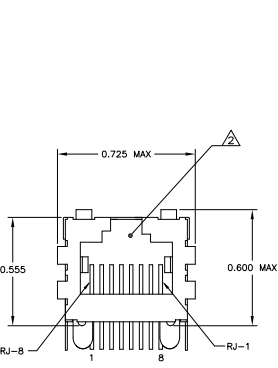
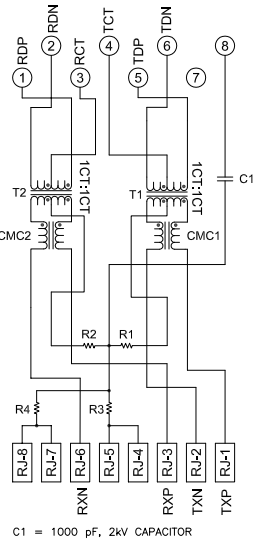


MECHANICAL:

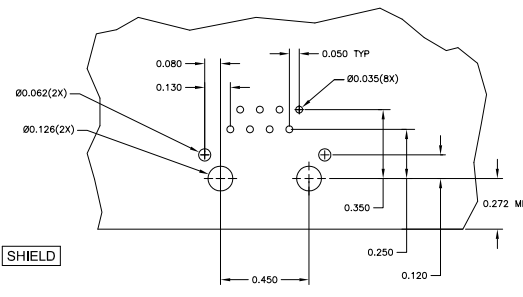


Pin Designations

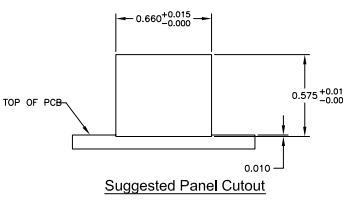
726ET SERIES MAGNETIC CIRCUIT



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



Suggested PCB Layout
(Component Side)



Suggested Panel Cutout

- MATERIALS:**
 -HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 -SHIELD - 0.010" THICK, C26800 BRASS PREPLATED WITH 50μINCH 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 @100MHz, 0.1VRMS, 8mA DC 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): 16dB MIN FROM 0.5MHz TO 30MHz
 18-20dBI (1/30dB) MIN FROM 30 MHz TO 60MHz
 12dB MIN FROM 60 MHz TO 80MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20+LOG(f/500dB) 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 23.5.11, ITEM b.
- 4. OPERATING TEMPERATURE: FROM -40° - +85°C**
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND THEREFORE ARE AUTO-MDIX/MOIX CAPABLE.**
- TYCO ELECTRONICS, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.**
- 7. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS. PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.**

0.120±0.010	6605841-2
0.145±0.010	6605841-1
DIMENSION A	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.				Type Electronics Corporation			
DATE	REVISED	BY	REASON	REV	DATE	BY	REASON
108-2100				A	00779		
CUSTOMER DRAWING				REV NTS SHEET 1 OF 1			