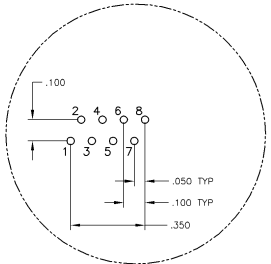
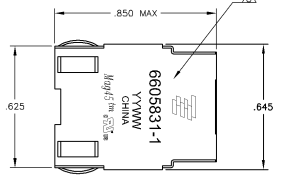
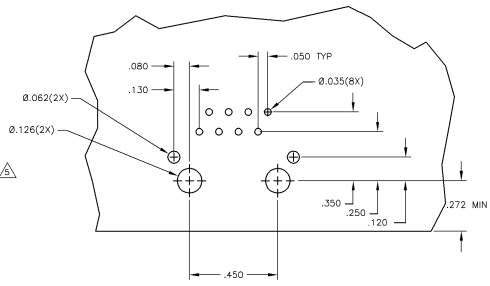
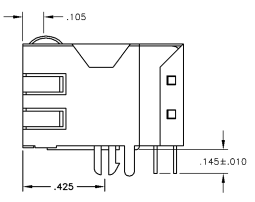


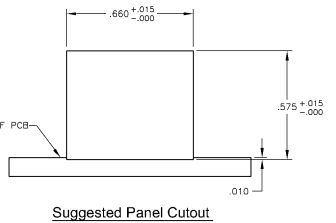
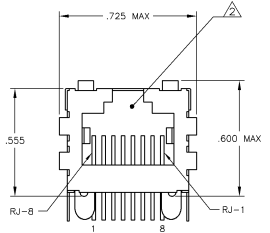
MECHANICAL:



Pin Designations

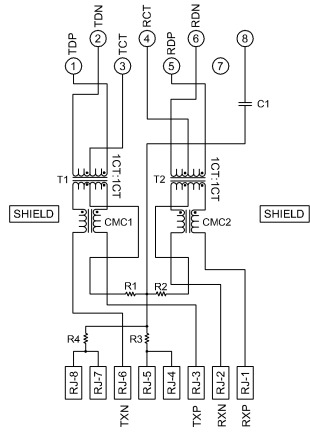


Suggested PCB Layout (Component Side)



Suggested Panel Cutout

ELECTRICAL:



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

- ⚠ MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 - SHIELD - .010" THICK, C2A800 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 = 11, RX = 11
 - OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @ 100kHz, 0.1VRMS, 5mADC BIAS FROM -40°C TO +85°C, TX AND RX
 - PERFORMANCE @ 25°C
 - INSERTION LOSS (IL): 1.6dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
 - 18-20LOG(f)/30dB MIN FROM 30.1MHz TO 60MHz
 - 12dB MIN FROM 60.1MHz TO 80MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20LOG(f)/50dB MIN FROM 4.0MHz 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° TO +85°C INDUSTRIAL TEMPERATURE RATED
- ⚠ INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDIX/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	BY	CHK	APP
AA	22						
B		REV PER ECO-06-032102					

DRAWN BY: [] CHECKED BY: [] DATE: [] TIME: [] SCALE: [] SHEET: [] OF []	TITLE: 766ET SERIES MAGNETIC CIRCUIT PART NUMBER: 6605831-1 REV: AA DATE: 22	CUSTOMER: [] PROJECT: [] DRAWING NO: [] SHEET NO: [] OF []
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