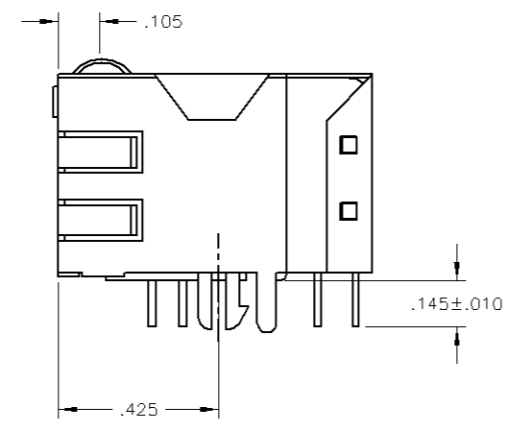
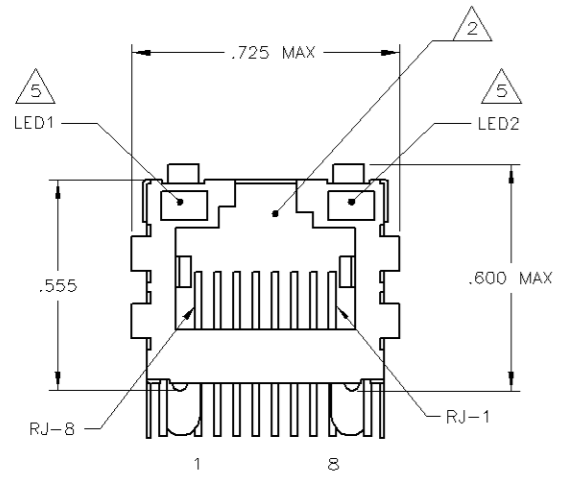
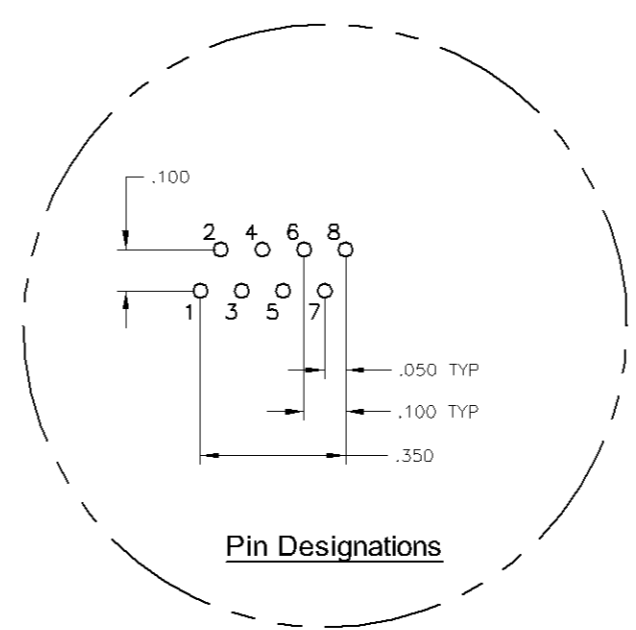
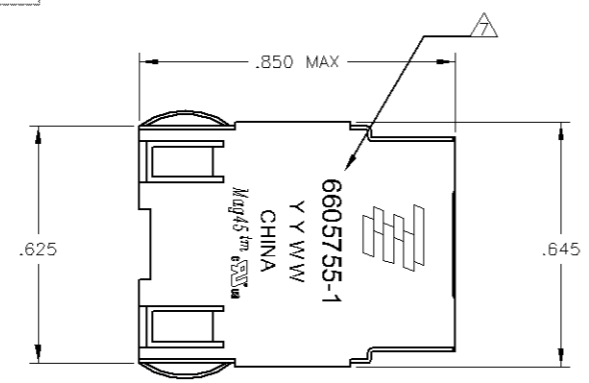
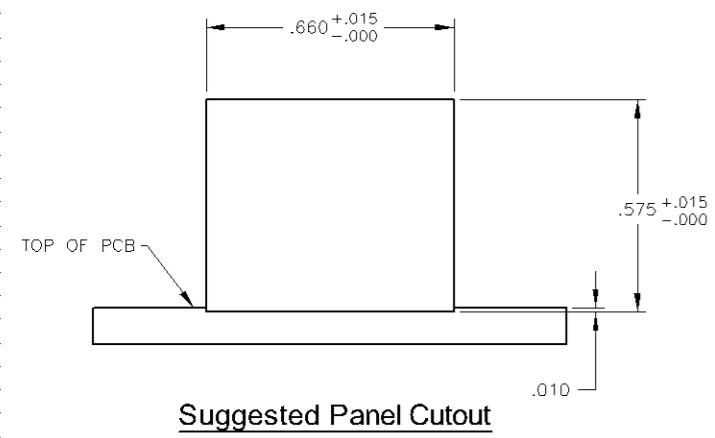


REV ISIONS		DATE	BY	APP'D
AA	22			
B	REV PER ECO-08-026401	28AUG2008	VL	TX

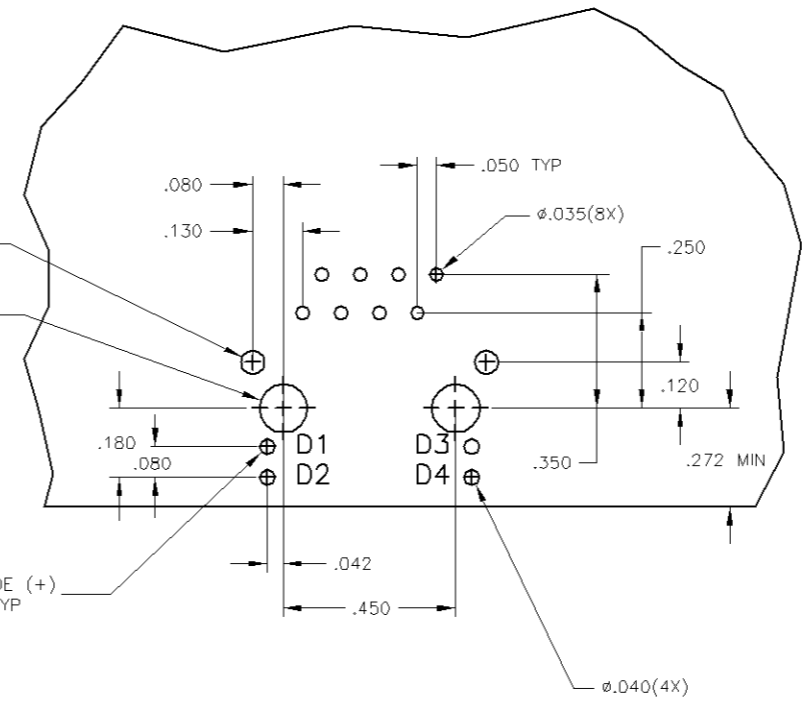
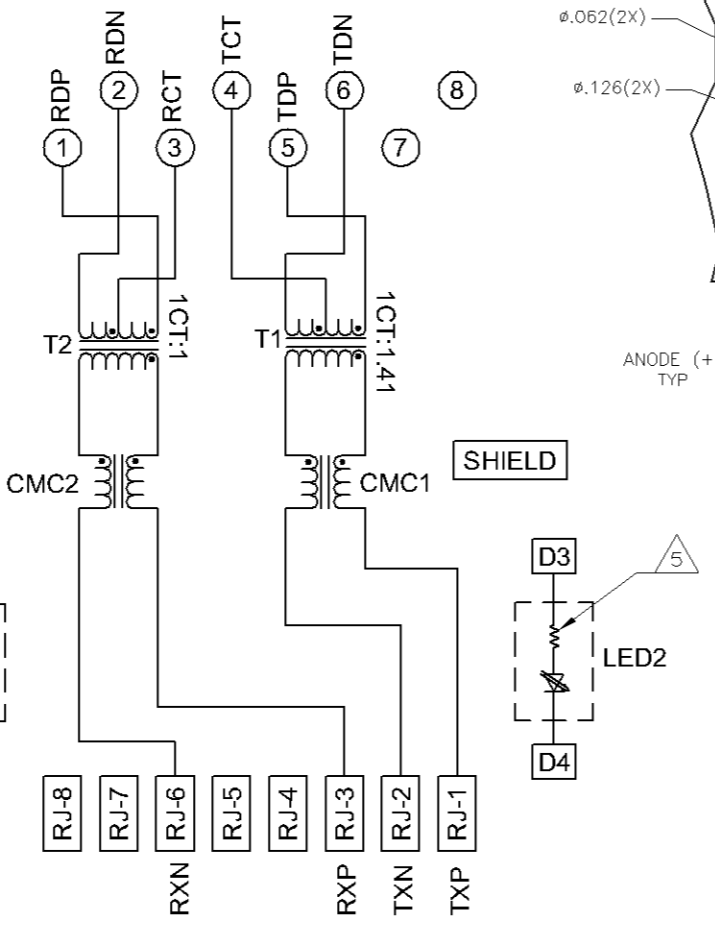
MECHANICAL:



- 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 - 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.
 - LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE, POST-PLATED WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.**
- MAGNETICS**
- APPLICATION: 10 BASE-T
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP: CABLE): TX = 1.141 RX = 1.1
 - TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL): 14.0μH MIN @ 100kHz, 0.1VRMS
 - LEAKAGE INDUCTANCE (LL): 0.40μH MAX @ 100kHz, 0.1VRMS
 - INTERWINDING CAPACITANCE (CWW): 12pF MAX @ 100kHz, 0.1VRMS
 - ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3of 2003, PARA 33.4.1, ITEM 0.
4. OPERATING TEMPERATURE: FROM 0° TO +70°C.
- IF THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
- LED COLOR : DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ VF=5V
 FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V



ELECTRICAL:
 725 SERIES MAGNETIC CIRCUIT



Suggested PCB Layout
 (Component Side)

- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION.
- TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
8. THESE PARTS ARE 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.

GREEN	GREEN	1-6605755-1
GREEN	YELLOW	6605755-1
LED1/5	LED2/5	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DESIGNED BY: L. VARELA - DOCKS	DATE: 01MAY2008	NAME: Tyco Electronics Corporation
CHK: D. FAROLE	DATE: 01MAY2008	ChangPing, China
PRODUCT SPEC: 108-2100	APPLICATION SPEC: -	SIZE: A1
SCALE: NTS	SHEET: 1 of 1	REV: B

1X1 MAG45(TM), MODULAR JACK, 7N3 (10BASE-T) SCHEMATIC, 725 SERIES CIRCUIT, SHIELDED, WITH RESISTOR LEDS

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