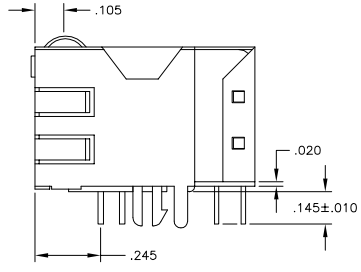
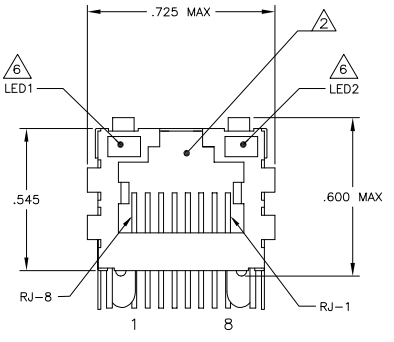
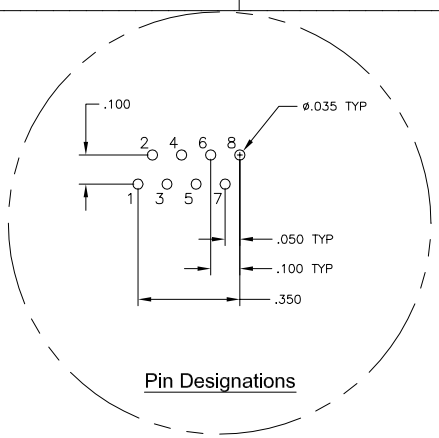
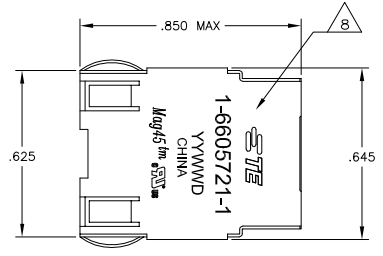


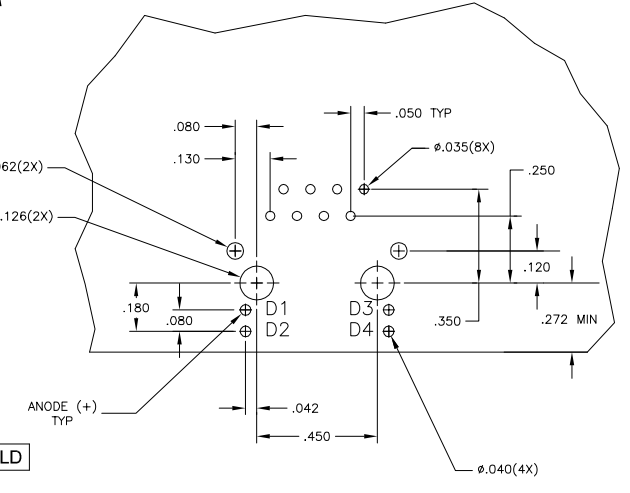
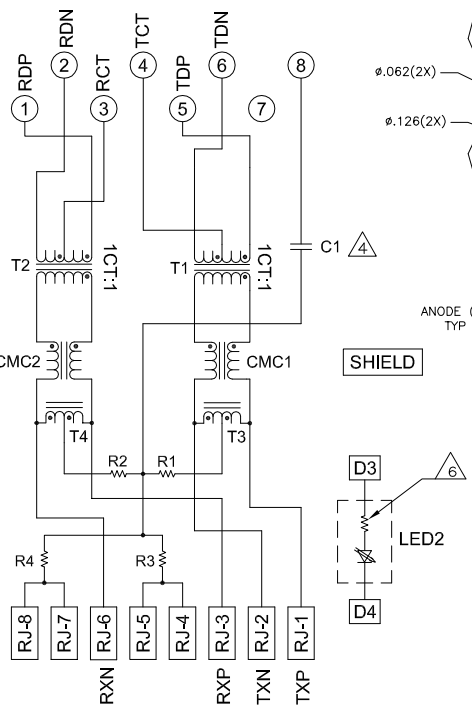
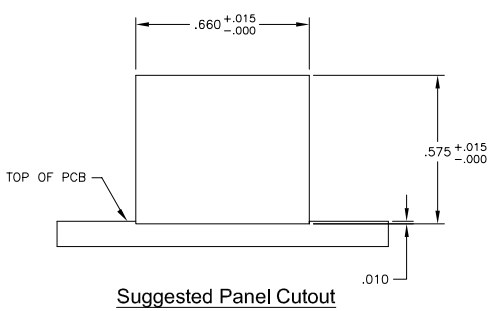
**MECHANICAL:**



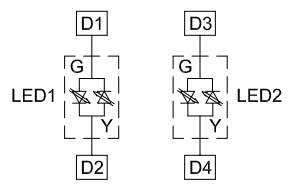
- REVISIONS**
- | REV | PER     | ECO           | DESCRIPTION | DATE      | BY | APP |
|-----|---------|---------------|-------------|-----------|----|-----|
| B   | REV PER | ECO-08-017726 |             | 03JUL2008 | QL | TX  |
| B1  | REV PER | ECO-10-000444 |             | 20JAN2010 | KK | HMR |
| C   | ECO     | -11-015766    |             | 30MAY2011 | EL | LR  |
- 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.
  - SOLDERTAILS 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**
- 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 0°C TO 70°C, TX AND RX
  - PERFORMANCE @ 25°C:
  - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
  - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
  - 18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
  - 12dB MIN FROM 60.1MHz TO 80MHz
  - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
  - 33-20\*LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
  - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
  - ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.

- C1 IS AN OPTIONAL. IF NO CAPACITOR, TRACE IS CONTINUOUS.**
- 5. OPERATING TEMPERATURE: FROM 0° - +70°C**
- THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.**
- LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ IF=20mA**  
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA  
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ IF=20mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA  
 DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. @ IF=20mA  
 FORWARD VOLTAGE (VF): ORANGE 2.05V TYP. @ IF=20mA
- 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

**715 SERIES MAGNETIC CIRCUIT**



**Suggested PCB Layout (Component Side)**



**LED Configuration FOR 6605721-6 ONLY**

C1 = 1000 pF, 2kV DECOUPLING CAPACITOR  
 R1-R4 = 75 OHMS, 1/16W, 5% RESISTORS

NO	YES	GREEN	YELLOW	5-6605721-8
YES	YES	YELLOW	GREEN	5-6605721-2
YES	YES	GREEN	YELLOW	5-6605721-1
NO	NO	GREEN/YELLOW	GREEN/YELLOW	6605721-6

**LED RESISTOR** (6) **DECOUPLING CAPACITOR** (A) **LED1** (A) **LED2** (A) **PART NUMBER**

THIS DRAWING IS A CONTROLLED DOCUMENT. DATE: 11MAR01. DRAWN BY: ATTADIA - 11MAR01. CHECKED BY: FAROLE - 11MAR01. NAME: D. FAROLE.

DIMENSIONS: INCHES. DIMENSIONS: MILLIMETERS. PRODUCT SPEC: 108-2100. APPLICATION SPEC: 108-2100. MATERIAL: FINISH: NTS. WEIGHT: -. SCALE: NTS. SHEET: 1 OF 1. REV: C.