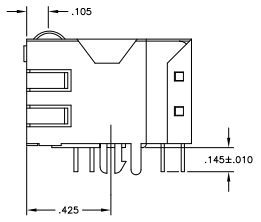
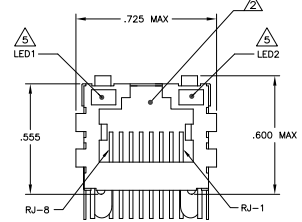
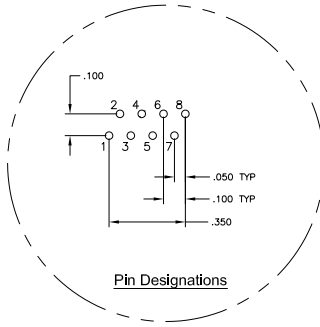
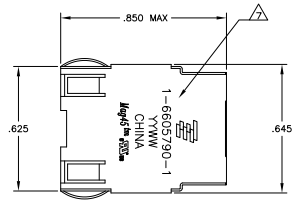
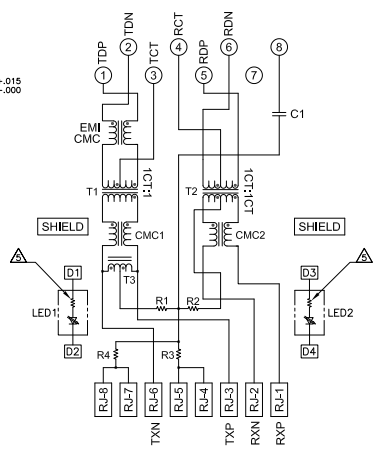


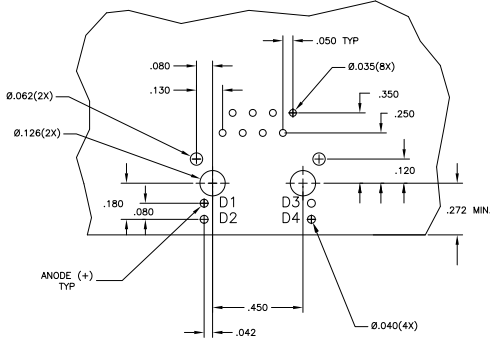
MECHANICAL:



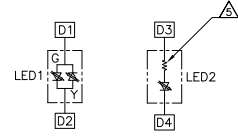
757 SERIES MAGNETIC CIRCUIT



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



Suggested PCB Layout (Component Side)



LED Configuration FOR 5-6605790-4 ONLY

- REVISIONS**
- | REV | DATE | DESCRIPTION | BY | CHKD |
|-----|------|---------------------------|----|----------------|
| AA | 22 | | | |
| E | | REV PER ECO-08-026230 | | CHRP2008 RQ TX |
| E1 | | REVISED PER ECO-09-024927 | | TONGY09 KK AEG |
- 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 E.**
- MAGNETICS**
- IMPEDANCE: 100 OHMS
 - TURNS RATIO (CMP CABLE): TX = 1:1, RX = 1:1
 - OPEN CIRCUIT INDUCTANCE (OCL): 350µH MIN @100kHz, 0.1VRMS, 8mA DC 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/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 4.0 MHz 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 0°C - -70°C.**

- 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
- INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL, AND ARE NOT AUTO-MIDI/MDIX CAPABLE.**
- 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 SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.**
- OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI**

OBsolete	YES	GREEN/YELLOW	GREEN	5-6605790-4
	YES	YELLOW	GREEN	5-6605790-2
	YES	GREEN	YELLOW	5-6605790-1
	NO	GREEN	GREEN	1-6605790-1

THIS DRAWING IS A CONTROLLED DOCUMENT:	REV	DATE	DESCRIPTION	BY	CHKD
	AA	22			
	E		REV PER ECO-08-026230		CHRP2008 RQ TX
	E1		REVISED PER ECO-09-024927		TONGY09 KK AEG

DESCRIPTION	REVISIONS	DATE
1X1 MAG45(TM) MODULAR JACK, 7H2, 10/100 HUB SCHEMATIC, 757 MAGNETIC CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, WITH LEADS		
SIZE	DATE	ISSUED BY
A1	00779	G-6605790