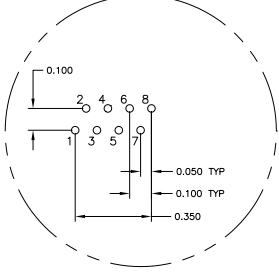
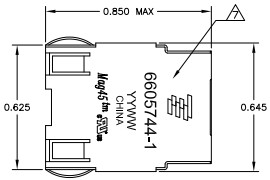
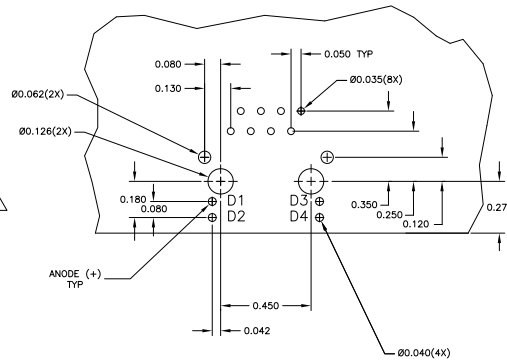
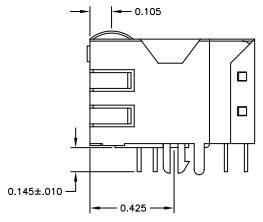
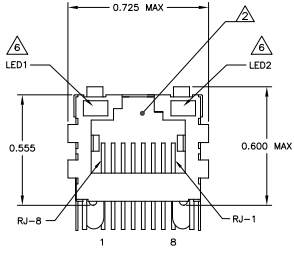


REV	DATE	DESCRIPTION	BY	CHK	APP
AA	22				
B		REV PER ECO-08-031031			10062008 VL LR
BT		REVISED PER ECO-08-024927			10060909 KK AEC

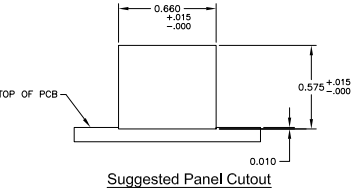
**MECHANICAL:**



Pin Designations

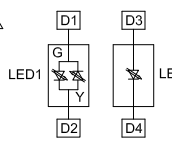
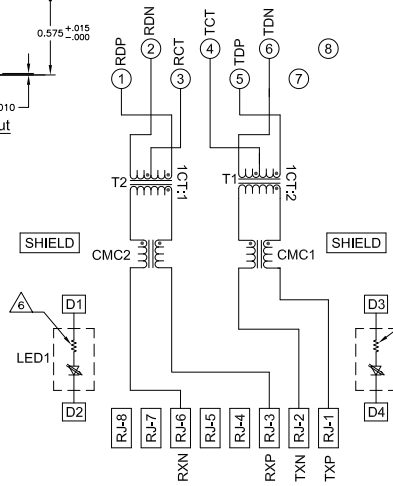


Suggested PCB Layout  
(Component Side)

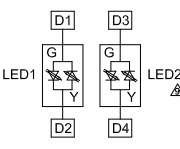


Suggested Panel Cutout

**720 SERIES MAGNETIC CIRCUIT**



LED CONFIGURATION  
FOR 6605744-5 ONLY



LED CONFIGURATION  
FOR 6605744-6 ONLY

- 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.  
 RJ45 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 (CHP-CABLE): TX = 12 RX = 11  
 -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 IEEE802.3 2002, PARA 15.3.4, ITEM b.
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION.
- THE 250 OHM RESISTOR IS OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS.  
 IF LEDS WITHOUT 250 OHM RESISTOR, LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA.  
 LED COLOR: DOMINANT WAVELENGTH (AD): GREEN 568 nm TYP @ IF=20 mA  
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20 mA  
 DOMINANT WAVELENGTH (AD): YELLOW 588 nm TYP @ IF=20 mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA  
 IF LEDS WITH BUILT-IN RESISTOR, LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.  
 LED COLOR: DOMINANT WAVELENGTH (AD): GREEN 568 nm TYP @ VF=5V  
 FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V  
 DOMINANT WAVELENGTH (AD): YELLOW 588 nm TYP @ VF=5V  
 FORWARD CURRENT (IF): YELLOW 15mA TYP @ VF=5V
- TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 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.
- OBsolete PARTS: OBsolete CIS STREAMLINING PER D.RENAUD/D.SINISI

OBsolete	GREEN	YES	GREEN	YES	1-6605744-1
	GREEN	NO	YELLOW	NO	6605744-6
	GREEN/YELLOW	NO	GREEN/YELLOW	NO	6605744-5
	OBsolete GREEN/YELLOW	NO	GREEN	NO	6605744-5
	OBsolete GREEN	YES	YELLOW	YES	6605744-1

LED1	250 OHM RESISTOR	LED2	250 OHM RESISTOR	PART NUMBER

DESCRIPTION	REV	DATE	BY	CHK	APP
1X1 MAG45(TM), 7N3 SCHEMATIC, 720 SERIES CIRCUIT, SHIELDED, NO OCCUPYING CAPACITOR, WITH LEDS					
DATE	108-2100				
SIZE	108-2100				
REV	1				
DATE	100779				
REV	1				
DATE	100779				
REV	1				
DATE	100779				