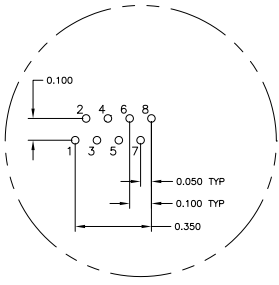
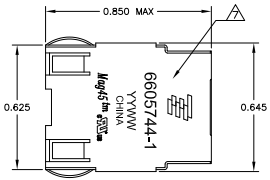
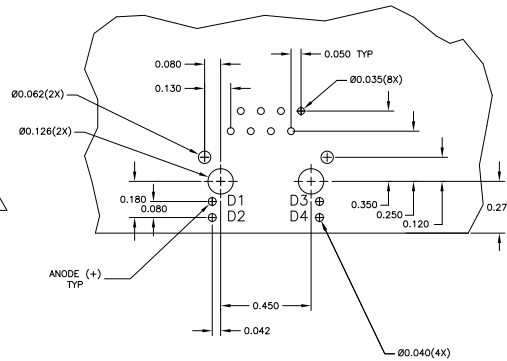
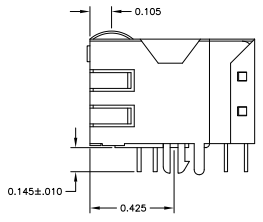
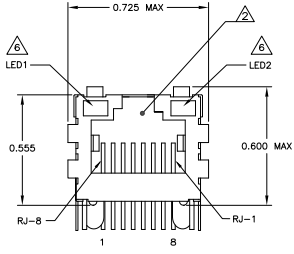


REV	DATE	DESCRIPTION	BY	CHK	APP
AA	22				
B		REV PER ECO-08-031031			10062008 VL LR
BT		REVISED PER ECO-08-024927			10NOV09 KK AEC

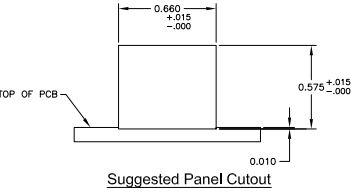
MECHANICAL:



Pin Designations

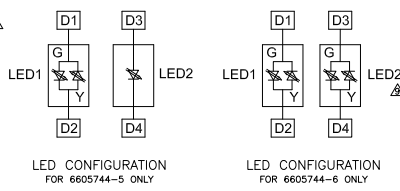
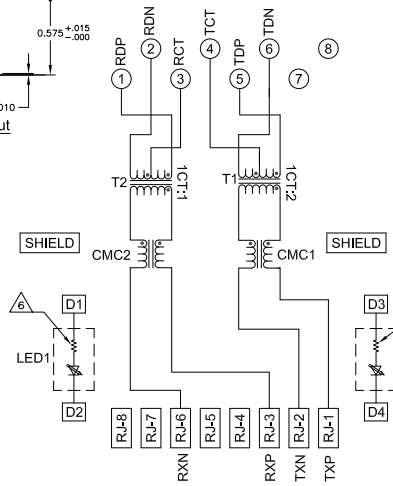


Suggested PCB Layout (Component Side)



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.
 MJD 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.**
- 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.**
- OBsolete PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI**

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

REVISIONS	DATE	DESCRIPTION
1	108-2100	1X1 MAG45(TM), 7N3 SCHEMATIC, 720 SERIES CIRCUIT, SHIELDED, NO OCCUPYING CAPACITOR, WITH LEDS

DATE: 10/07/09
 DRAWN BY: G-6605744
 CHECKED BY: NTS
 CUSTOMER DRAWING