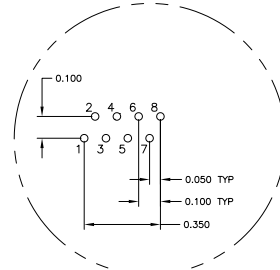
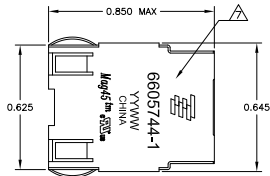


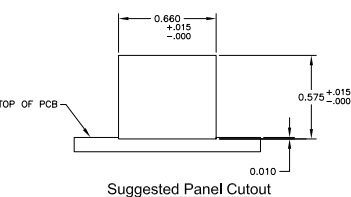
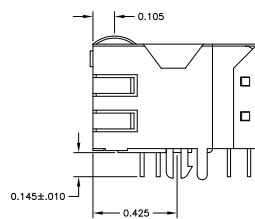
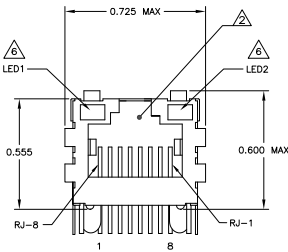
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REV	DATE	REVISIONS	BY	CHK	APP
AA	2/2				
B	REV PER ECO-08-031031				
BT	REVISED PER ECO-08-024927				

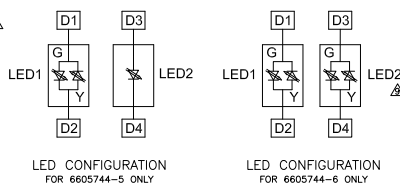
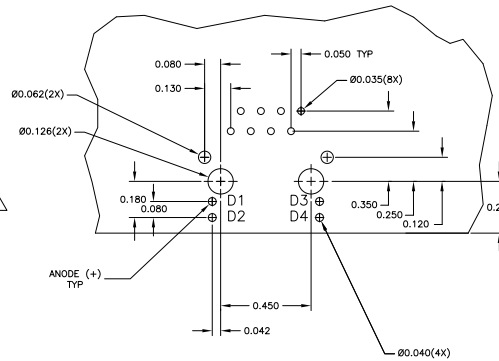
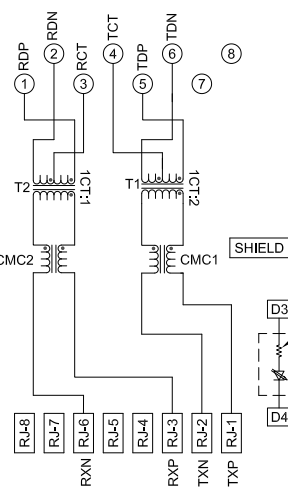
MECHANICAL:



Pin Designations



720 SERIES MAGNETIC CIRCUIT



MATERIALS:
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30µ INCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100µ INCH MIN SAC SOLDER.
 MTD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50µ INCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50µ INCH MIN HARD GOLD FINISH PLATE.
 SOLDER TAILS WITH 100µ INCH 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 80µ INCH SILVER OVER 40µ INCH NICKEL UNDERPLATE OVER 40µ INCH COPPER UNDERPLATE. POST-PLATED WITH 100µ INCH 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): 14.0µ H MIN @ 100kHz, 0.1VRMS
 - LEAKAGE INDUCTANCE (LL): 0.40µ H 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	YELLOW	GREEN	YELLOW	GREEN	YELLOW
YES	YES	NO	NO	NO	NO	NO
NO	NO	YES	YES	YES	YES	YES
YES	YES	NO	NO	NO	NO	NO
NO	NO	YES	YES	YES	YES	YES
NO	NO	NO	NO	NO	NO	NO

LED1	250 OHM RESISTOR	LED2	250 OHM RESISTOR	PART NUMBER
D1	RES	D2	RES	

THIS DRAWING IS A CONTROLLED DOCUMENT.		ATTACH - DO NOT REMOVE	
DATE	REV	DATE	REV
108-2100	1	108-2100	1
DATE	REV	DATE	REV
108-2100	1	108-2100	1
DATE	REV	DATE	REV
108-2100	1	108-2100	1
DATE	REV	DATE	REV
108-2100	1	108-2100	1

1X1 MAG45(TM), 7N3 SCHEMATIC, 720 SERIES CIRCUIT, SHIELDED, NO OCCUPANCY CAPACITOR, WITH LEDS

DATE 07/29/08 BY A100779/C-6605744

CUSTOMER DRAWING