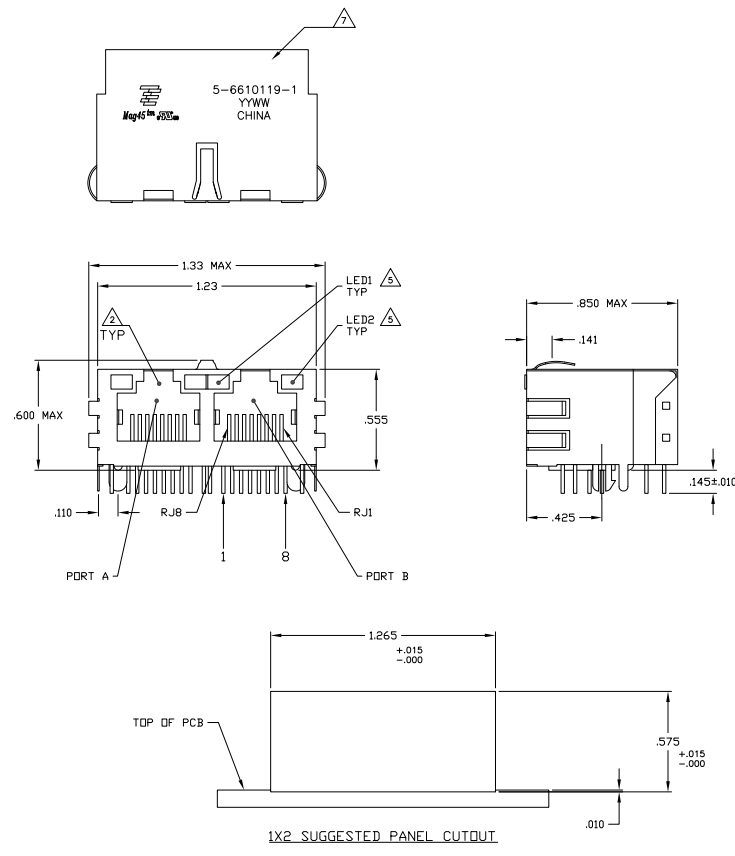


REV	DATE	DESCRIPTION	BY	CHK	APP
AA	22				
C		REV PER ECO-09-021794			2009P2009 VL LR
C1		REVISED PER ECO-09-024927			11NOV09 KK AEG

MECHANICAL:

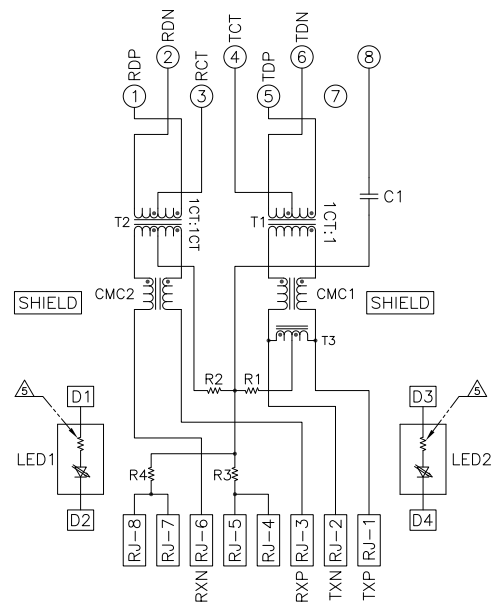


- 1. MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - 0.010" THICK, C26800 BRASS PREPLATED WITH 30 INCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100 INCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157" X 0.018" PHOSPHOR BRONZE, 50 INCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50 INCH MIN HARD GOLD FINISH PLATE.
 - SOLDER TABS WITH 100 INCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
 - LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .028" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80 INCH SILVER OVER 40 INCH NICKEL UNDERPLATE OVER 40 INCH COPPER UNDERPLATE. POST-PLATED WITH 100 INCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- 2. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3. MAGNETICS
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHP: CABLE): TX = 13, RX = 11
 - OPEN CIRCUIT INDUCTANCE (OCL): 350 nH MIN @100MHz, 0.1VRMS, 8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
 - PERFORMANCE @ 25°C
 - INSERTION LOSS (IL): 1.5dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
 - 18-20LOG(F/30dB) MIN FROM 30 MHz TO 60MHz
 - 15dB MIN FROM 60 MHz TO 100MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20-LOG(F/50dB) MIN FROM 40 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, ITEM b.
- 4. OPERATING TEMPERATURE: FROM 0°C TO +70°C
- 5. 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 (M): GREEN 568 nm TYP. at IF=20mA
 - FORWARD VOLTAGE (VF) GREEN 2.2V TYP. at IF=20mA
 - DOMINANT WAVELENGTH (M): YELLOW 588 nm TYP. at IF=20mA
 - FORWARD VOLTAGE (VF) YELLOW 2.1V TYP. at 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 (M): GREEN 568 nm TYP. at VF=5V
 - FORWARD CURRENT (IF) GREEN 12 mA TYP. at VF=5V
 - DOMINANT WAVELENGTH (M): YELLOW 588 nm TYP. at VF=5V
 - FORWARD CURRENT (IF) YELLOW 13 mA TYP. at VF=5V
- 6. INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL AND DO NOT SUPPORT AUTO-NOV/NOVX.
- 7. TYS 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, PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.
- 9. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

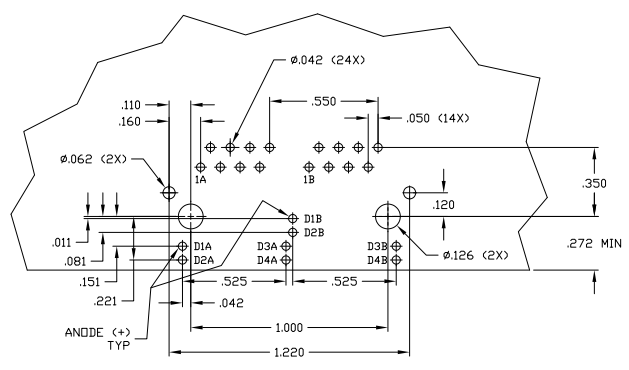
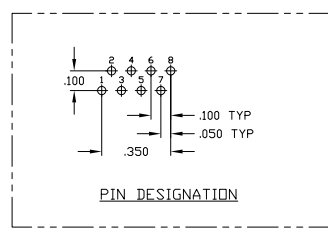
OBsolete	NO	GREEN/YELLOW	GREEN/YELLOW	5-6610119-6
	YES	GREEN	YELLOW	5-6610119-1
		LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		TYS ELECTRONICS CORPORATION	
REVISED	DATE	BY	CHK
108-2100			
DATE	ISSUE	ISSUED TO	REVISIONS
A1	00779	G-6610119	
CUSTOMER DRAWING		DATE	REV
		4-1	1-2

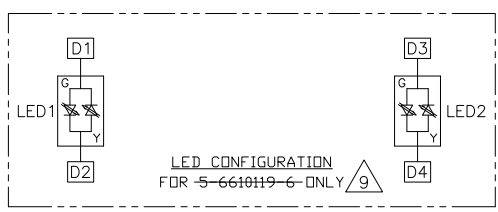
14 SERIES MAGNETIC CIRCUIT



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



SUGGESTED PCB LAYOUT
 (Component Side)



LED CONFIGURATION
 FOR 5-6610H19-6 ONLY

THIS DRAWING IS A CONTROLLED DOCUMENT.		Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DESIGNED BY	APPROVED BY	DATE	REV
108-2100	108-2100		
CUSTOMER DRAWING		DATE	REV
		00779	6610119