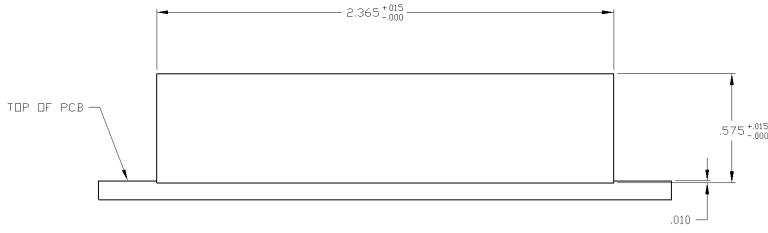
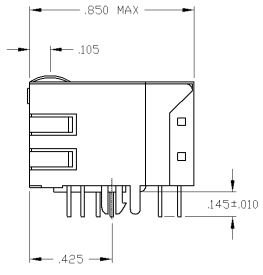
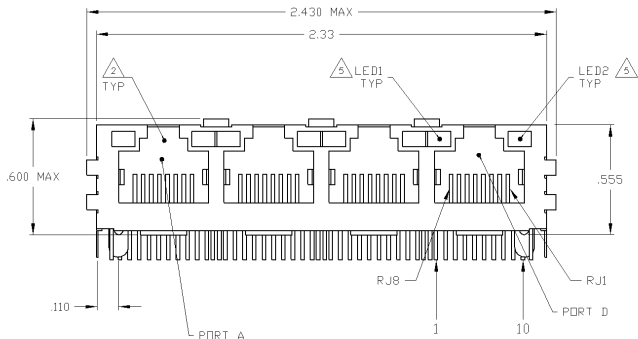
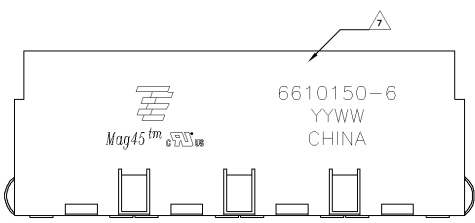


MECHANICAL:



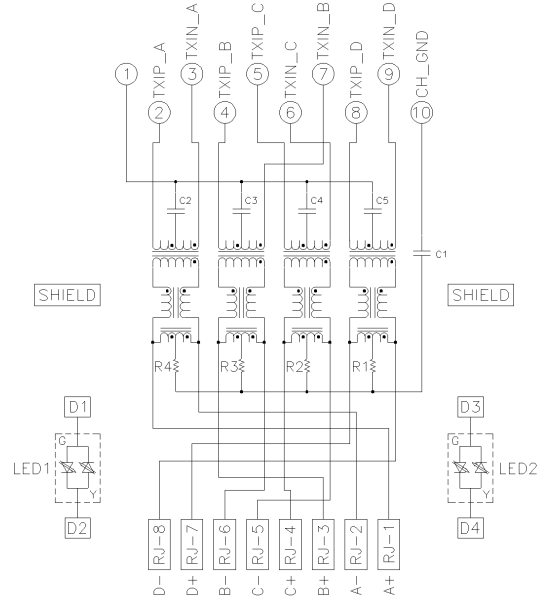
1X4 SUGGESTED PANEL CUTOUT

- △ MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 - SHIELD - 0.010" 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 55μINCH MIN HARD GOLD FINISH PLATE
 - SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP
 - LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, 0.020" X 0.020" 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
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 35μH MIN @ 100MHz, 0 IWRMS, 5mA DC BIAS FROM PFC TO 70°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @ 25°C
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 - 12-20LOG(F/80dB) MIN FROM 40 MHz TO 100MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20LOG(F/80dB) 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 40.6.1.1, ITEM b.
- 4. OPERATING TEMPERATURE: FROM 0°C TO -70°C.
- △ THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA
- LED COLOR (DOMINANT WAVELENGTH (d0)): GREEN 568 nm TYP. AT VF=5V
 FORWARD CURRENT (IF): GREEN 12 mA TYP. AT VF=5V
 DOMINANT WAVELENGTH (d0): YELLOW 588 nm TYP. AT VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP. AT VF=5V
- △ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-IND/INDX
- △ TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- △ THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.

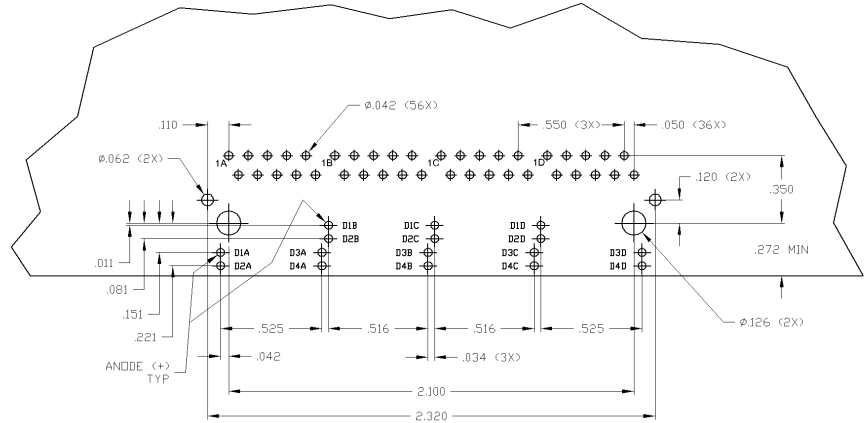
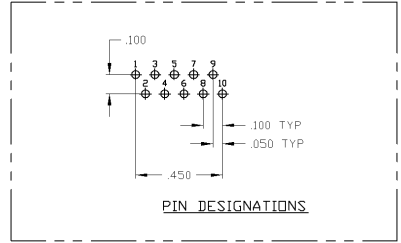
GREEN/YELLOW	GREEN/YELLOW	6610150-6
LED1 △	LED2 △	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT		REVISIONS		TYCO Electronics Corporation	
DATE	REV	DESCRIPTION	DATE	BY	APP
08/10/08	1	INITIAL RELEASE	08/10/08	AA	DC
08/10/08	2	REVISED TO ADD DIMENSIONS	08/10/08	AA	DC
08/10/08	3	REVISED TO ADD DIMENSIONS	08/10/08	AA	DC
08/10/08	4	REVISED TO ADD DIMENSIONS	08/10/08	AA	DC
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7G07 SERIES GIGABIT CIRCUIT $\Delta\Delta$



C1 = 1000pF, 2kV CAPACITOR
 R1-R4 = 75 OHMS, 1/16W RESISTORS
 C2-C5 = 0.1µF, 50V CAPACITORS



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	DATE	REVISIONS
DRAWING NO.		AA	22	1
TITLE		7G07 SERIES GIGABIT CIRCUIT		
PROJECT NO.		105-7100		
DRAWN BY		SEE SIZE DRAWING NO.		
CHECKED BY		A1 00779		
APPROVED BY		6610150		
CUSTOMER DRAWING		SHEET 2 OF 2		