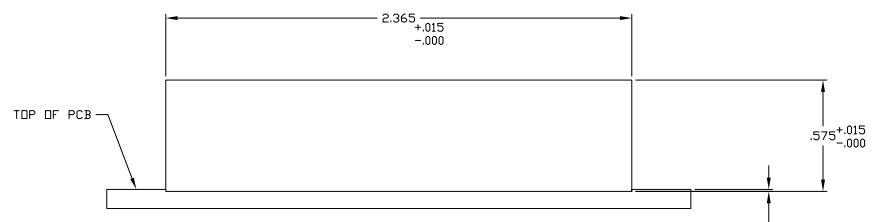
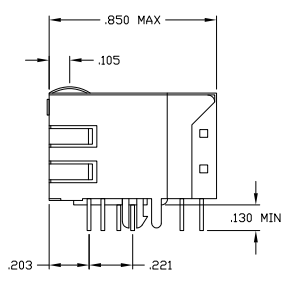
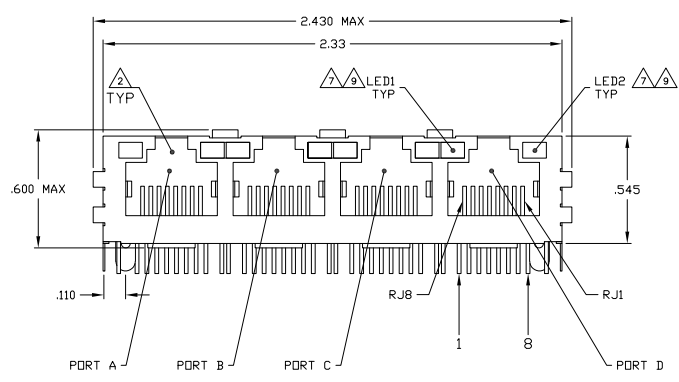
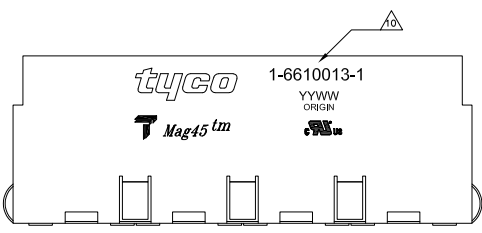


REV	DATE	DESCRIPTION	BY	CHK	APP
AA	22				
A		REV PER EC 0513-0650-04			

MECHANICAL:



1X4 SUGGESTED PANEL CUTOUT

- 1 MATERIALS:
  - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
  - SHIELD - .018" THICK C26800 BRASS PREPLATED WITH 50μ INCH MIN SEMI-BRIGHT NICKEL
  - SOLDER TABS POST DIPPED WITH 100μ INCH MIN SAC SOLDER
  - MOD 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 MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- 2 R/J5 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3 MAGNETICS
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP CABLE): TX = 11, RX = 11
  - OPEN CIRCUIT INDUCTANCE (OCL): 350μ H MIN @100MHz, 0.1V RMS
  - 8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
  - PERFORMANCE @ 25°C
    - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
    - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
    - 18-20LOG(1/30)dB MIN FROM 30.1MHz TO 60MHz
    - 12dB MIN FROM 60.1MHz TO 80MHz
    - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
    - 33-29\*LOG(1/50)dB MIN FROM 40.1MHz TO 100MHz
    - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
    - ISOLATION VOLTAGE: COMPLES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM a or b.
- 4 C1 IS AN OPTIONAL 1000 pF, 2KV DECOUPLING CAPACITOR. IF NO CAPACITOR, TRACE IS CONTINUOUS. SEE TABLE FOR PRESENCE OF CAPACITOR IN DIFFERENT CONFIGURATIONS.
- 5 OPERATING TEMPERATURE FROM 0° TO +70°C.
- 6 R1-R4 = 75 OHMS, 1/16 W, 5%.  
 7 LED COMPLIANT WITH IEC64825-1 SAFETY OF LASER PRODUCTS. WHEN OPERATED AT 20 mA, THE 250 μS IS INCLUDED.
- 8 INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL.
- 9 LED PEAK WAVELENGTH: GREEN (L) = 565nm, YELLOW (L) = 585nm.
- 10 TRADEMARK, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

YES	GREEN	GREEN	6-6610013-1
YES	YELLOW	GREEN	5-6610013-2
YES	GREEN	YELLOW	5-6610013-1
NO	GREEN	GREEN	1-6610013-1
DECOUPLING CAPACITOR	LED1	LED2	PART NUMBER

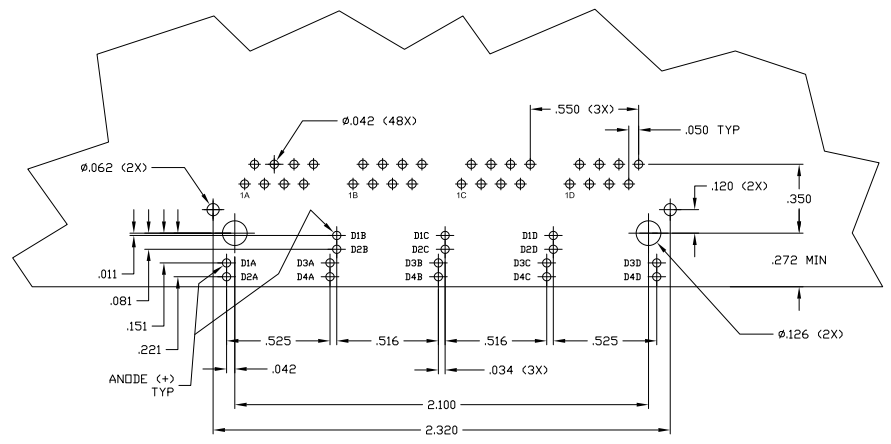
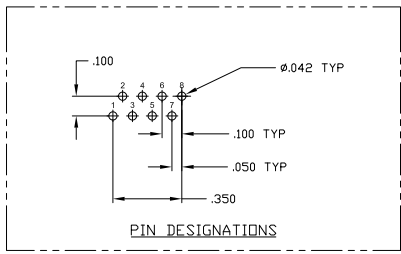
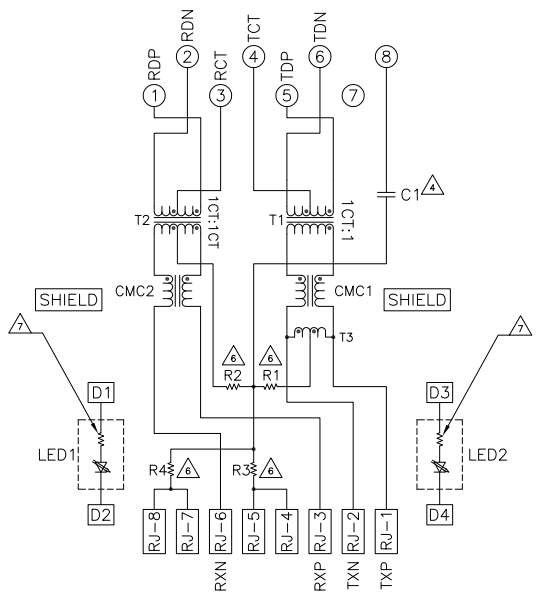
THIS DRAWING IS A CONTROLLED DOCUMENT. ANY UNAUTHORIZED REVISIONS WILL BE IDENTIFIED BY DATE AND BY THE ELECTRONICS CORPORATION.

REVISION	DATE	DESCRIPTION	BY	CHK	APP
1		1X4 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 14 SERIES CIRCUIT, SHIELDED, WITH RESISTOR LEADS			
2		108-2100			
3		100779(G)=6610013			

CUSTOMER DRAWING

REV	DATE	DESCRIPTION	BY	CHK	APP
AA	22				
		SEE SHEET 1			

714 SERIES MAGNETIC CIRCUIT



SUGGESTED PCB LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	DATE	DESCRIPTION	BY	CHK	APP
DRAWING NO.		AA	22				
REVISED BY							
DATE							
DRAWN BY							
CHECKED BY							
APPROVED BY							
TITLE		714 MAG45(TM) MODULAR JACK, 7/2 SCHEMATIC, 14 SERIES CIRCUIT, SHIELDED, WITH RESISTOR LEADS					
PART NO.		108-2100					
REV		A					
CUST. DRAWING		A100779(G)=6610013					
SHEET		4					
OF		2					
REV		A					