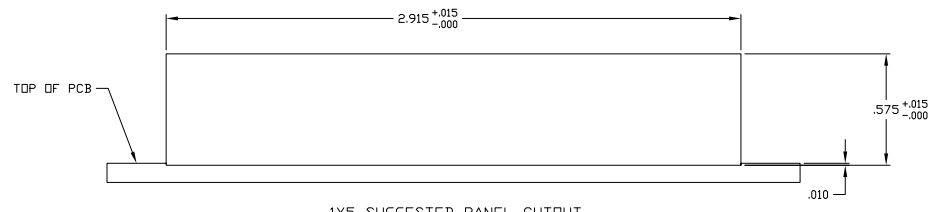
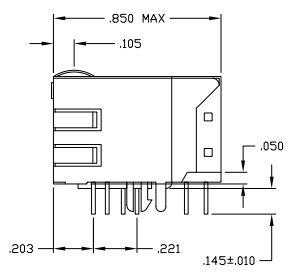
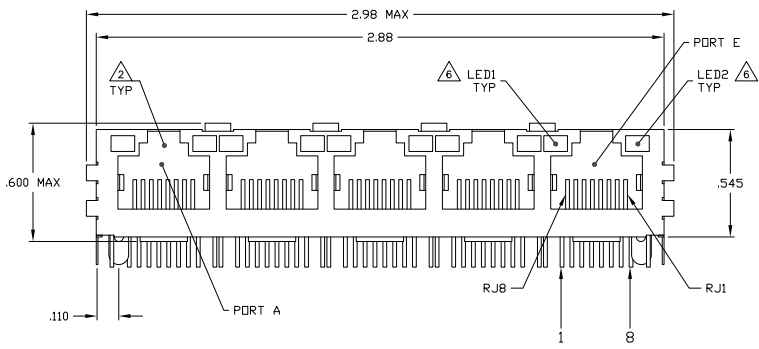
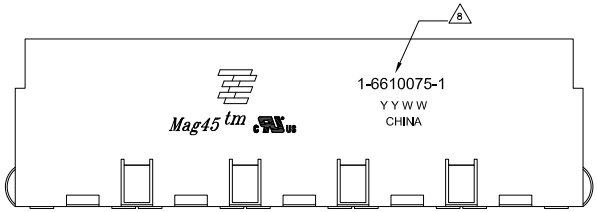


REV	DATE	DESCRIPTION	BY	CHK	APP
AA	22				
B		REV PER ECO-08-016861			27/AN2008 QL TX
B1		REVISED PER ECO-09-024927			11/06/09 KK AEG

MECHANICAL:



1X5 SUGGESTED PANEL CUTOUT

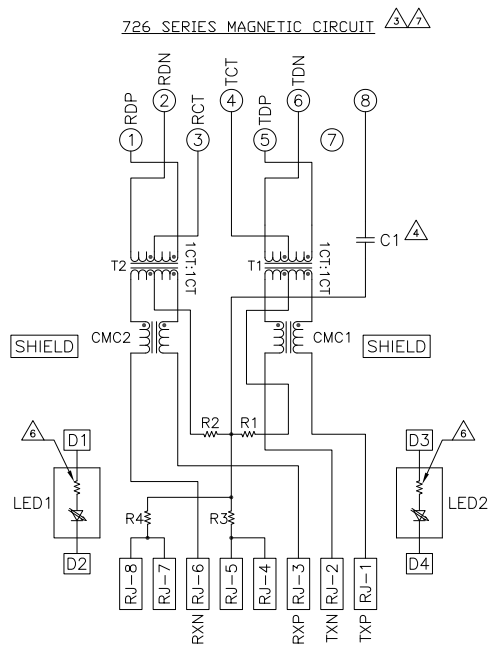
- MATERIALS:**
 -HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 -SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30µINCH MIN SEMI-BRIGHT NICKEL.
 -SOLDER TABS POST DIPPED WITH 100µINCH MIN SAC SOLDER.
 -MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50µINCH MIN OVERALL NICKEL 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 100µIN 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): TX = 11, RX = 11
 -OPEN CIRCUIT INDUCTANCE (OCL): 350µH MIN @100MHz, 0.1VRMS.
 -BIAS 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(I/F30dB) MIN FROM 30.1MHz TO 60MHz
 12dB MIN FROM 60.1MHz TO 80MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20+LOG(I/F50dB) MIN FROM 40.1MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 -ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM b.
- C1 IS AN OPTIONAL CAPACITOR. IF NO CAPACITOR, TRACE IS CONTINUOUS. SEE TABLE FOR PRESENCE OF CAPACITOR IN DIFFERENT CONFIGURATIONS.**
- 5. OPERATING TEMPERATURE: FROM 0° TO +70°C.**
- LEDs WITH BUILT-IN RESISTOR**
 LEADS 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 12 mA TYP. @ VF=5V
 DOMINANT WAVELENGTH (AD): YELLOW 588 nm TYP. @ VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND SUPPORT AUTO-MDI/MDIX.**
- TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.**
- 9. THESE PARTS IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.**
- 10. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINIS**

OBsolete	YES	GREEN	GREEN	6-6610075-1
	YES	GREEN	YELLOW	5-6610075-1
	NO	GREEN	GREEN	1-6610075-1
				PART NUMBER

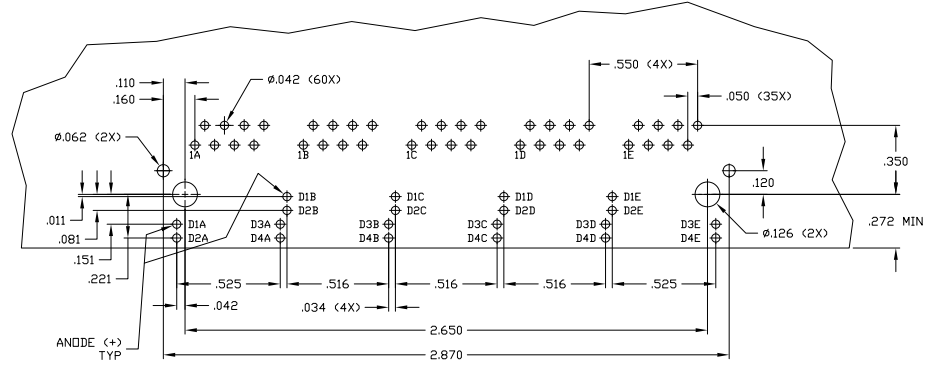
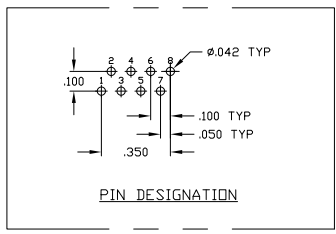
FUNCTIONS	DESCRIPTIONS	REVISIONS	DATE
1X5	1X5 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 726 SERIES MAGNETIC CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, WITH RESISTOR LEADS	108-2100	
REV	DATE	BY	CHK
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REV	DATE	DESCRIPTION	BY	APP'D
AA	22	SEE SHEET 1		



C1 = 1000 pF, 2kV DECOUPLING CAPACITOR
 R1-R4 = 75 OHMS, 1/16W, 5% RESISTORS



SUGGESTED PCB LAYOUT
 (Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	DATE	DESCRIPTION	BY	APP'D
DRAWING NO. 108-2100		AA	22	SEE SHEET 1		
CUSTOMER DRAWING		TYS ELECTRONICS CORPORATION Harrisburg, PA 17105-3608				
PART NO. 108-2100		1X5 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 726 SERIES MAGNETIC CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, WITH RESISTOR LEADS				
REV		A1 00779 (G) 6610075				
DATE		NTS 2 2 B1				