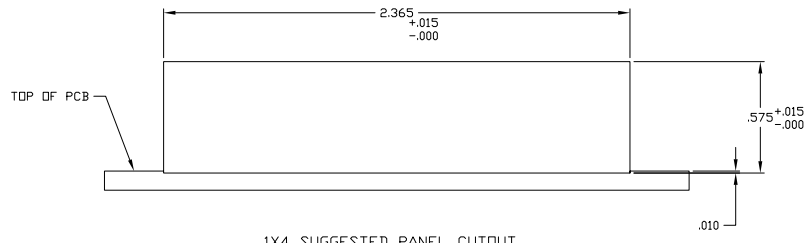
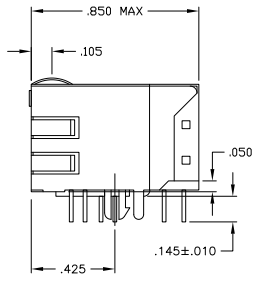
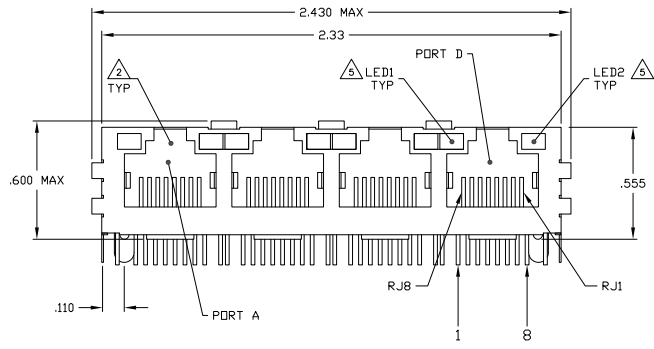
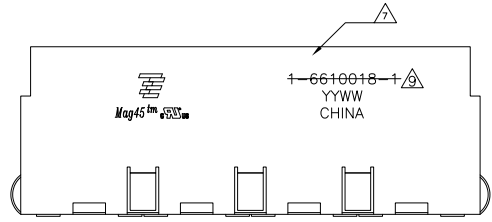


REV	DATE	DESCRIPTION	BY	CHK
AA	22			
B		REV PER ECO-34-42822	DMP2306	DC TX
B1		REVISED PER ECO-09-024927	11NOV09	KK AEG

MECHANICAL:



1X4 SUGGESTED PANEL CUTOUT

- △ MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .010" THICK, C26890 BRASS PREPLATED WITH 30UNCH MIN SEMI-BRIGHT NICKEL.
 - SOLDER TABS POST DIPPED WITH 100UNCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, .50UNCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT .50UNCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100UNCH 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 80UNCH SILVER OVER .40UNCH NICKEL UNDERPLATE OVER .40UNCH COPPER UNDERPLATE. POST-PLATED WITH 100UN 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 (CHP CABLE): TX = 11, RX = 11
 - OPEN CIRCUIT INDUCTANCE (OCL): 350nH MIN @100MHz, 0.1Vrms
 - 8nADC 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
 - 30dB MIN FROM 60 MHz TO 80MHz
 - 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 23.5.1.1, ITEM b.
- 4. TEMPERATURE: FROM 0° TO +70°C
- △ 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(GREEN 568nm TYP. AT IF=20mA
 - LED COLOR/DOMINANT WAVELENGTH(YELLOW 588nm TYP. AT IF=20mA
 - FORWARD VOLTAGE (VF): GREEN 2.2V TYP. AT IF=20mA
 - DOMINANT WAVELENGTH(YELLOW 588nm 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(GREEN 568nm TYP. AT VF=5V
 - FORWARD CURRENT (IF): GREEN 12 mA TYP. AT VF=5V
 - DOMINANT WAVELENGTH (YEL): YELLOW 588nm TYP. AT VF=5V
 - FORWARD CURRENT (IF): YELLOW 13 mA TYP. AT VF=5V
- △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL AND DO NOT SUPPORT AUTO-IND/INDX.
- △ TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IS APPROXIMATE LOCATION SHOWN.
- 8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120°C TO 160°C, 100 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.
- △ OBSOLETE PARTS: OBSOLETE (IS STREAMLINING PER D.BENAUD/D.SINISI)

OBSOLETE

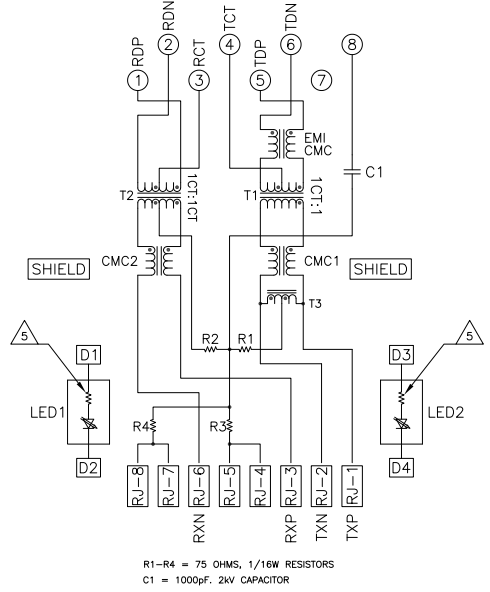
NO	NO	YES	GREEN	GREEN	5-6610018-7
NO	NO	YES	GREEN/YELLOW	GREEN/YELLOW	5-6610018-6
YES	YES	YES	GREEN	YELLOW	5-6610018-4
YES	YES	NO	GREEN	GREEN	4-6610018-1
NO	NO	NO	GREEN/YELLOW	GREEN	6610018-5

LED1 RESISTOR LED2 RESISTOR LED1 LED2 PART NUMBER

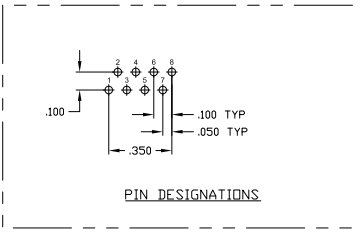
THIS DRAWING IS A CONTROLLED DOCUMENT. SEE THE DRAWING FOR THE DATE CODE AND PART NUMBER.

DATE: 06/11/09
 DRAWN BY: A1
 CHECKED BY: 00779
 PART NUMBER: 6610018

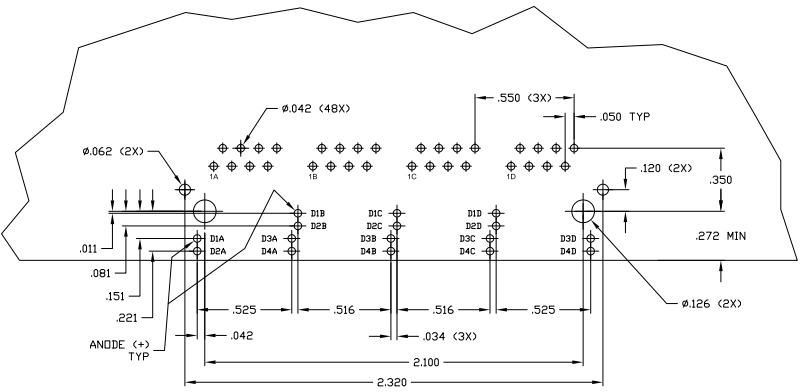
717 SERIES MAGNETIC CIRCUIT



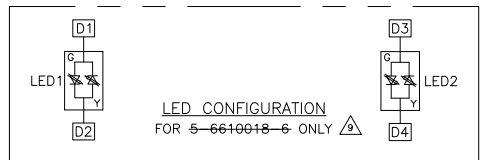
R1-R4 = 75 OHMS, 1/16W RESISTORS
 C1 = 1000pF, 2KV CAPACITOR



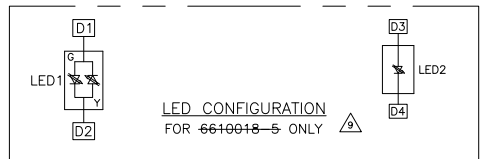
PIN DESIGNATIONS



SUGGESTED PCB LAYOUT



LED CONFIGURATION
 FOR 5-6610018-6 ONLY



LED CONFIGURATION
 FOR 6610018-5 ONLY

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	DATE	DESCRIPTION	BY	CHK	APP
DRAWING NO.		AA	22	SEE SHEET 1			
DRAWING TITLE		1X4 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 17 SERIES CIRCUIT, SHIELDED, WITH LEADS					
DRAWING SCALE		1:1					
DRAWING SHEET		1 OF 2					
DRAWING DATE		10/20/08					
DRAWING BY		A100779					
DRAWING CHECKED		G6610018					
DRAWING APPROVED							
CUSTOMER DRAWING							