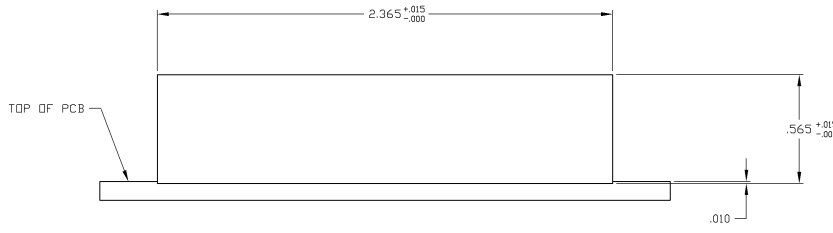
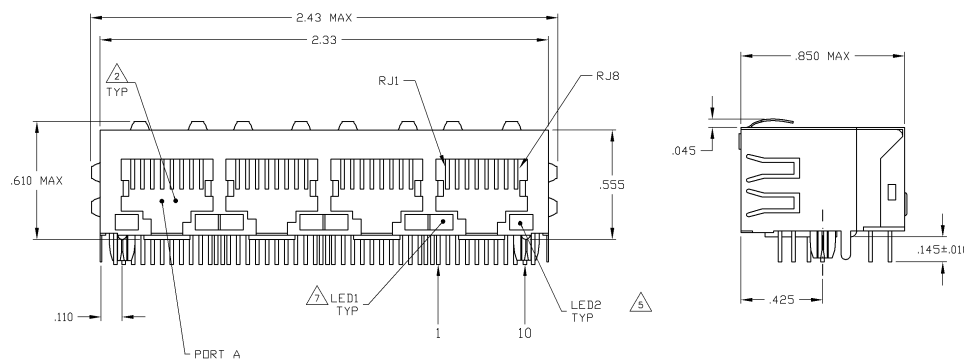
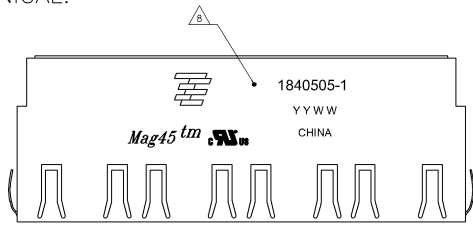


MECHANICAL:



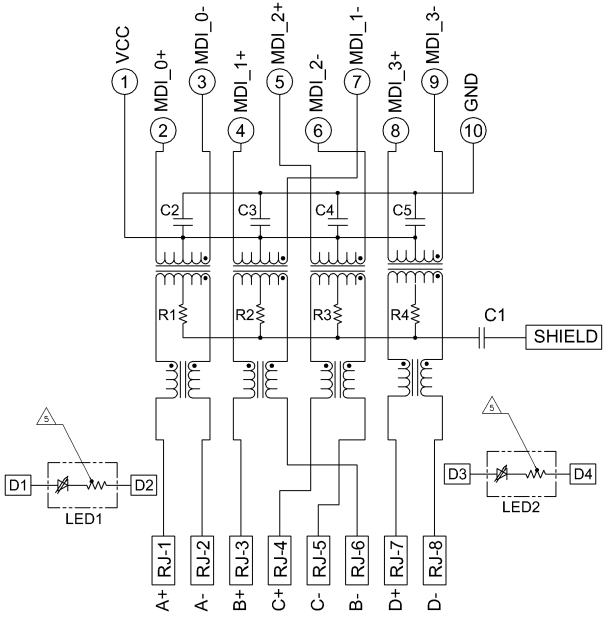
- △ MATERIALS:
HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 10μINCH MIN SAC SOLDER
MOD JACK CONTACTS - .0157" x .018", PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE, 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 PREPLATED 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 SOLDER DIP
- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- △ MAGNETICS
-APPLICATION: 10/100/1000 BASE-T, EXTENDED TEMPERATURE
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHP CABLE): 11 ALL FOUR PAIRS
-OPEN CIRCUIT INDUCTANCE (OCL): 350nH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO +85°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 4.0MHz
12 -20LOG|G|/|S|/|B| MIN FROM 4.0MHz TO 100MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 4.0MHz
33 -20LOG|G|/|S|/|B| MIN FROM 4.0MHz TO 100MHz
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE: 2200VDC MAX FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.
- △ ALL DIMENSIONS NOMINAL UNLESS OTHERWISE NOTED
- △ LEADS WITH BUILT-IN RESISTOR
LEADS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
LED COLOR/DOMINANT WAVELENGTH (nm): GREEN 568 nm TYP @ VF=5V
FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V
- △ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO ACCOMMODATE CONNECTIONS FOR EITHER NIC OR HUB CONFIGURATION, OR SUPPORT AUTO-MDIX/MDIX.
- 7. OPERATING TEMPERATURE: FROM -40°C TO +85°C
- △ TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 9. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

GREEN	GREEN	1840505-1
LED1	LED2	PART NUMBER

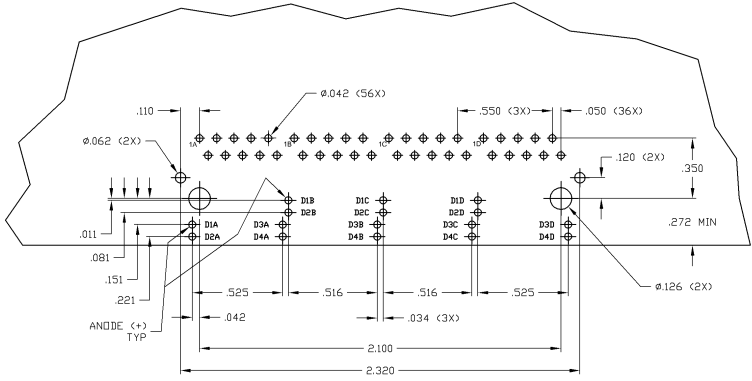
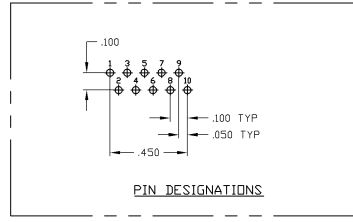
THIS DRAWING IS A CONTROLLED DOCUMENT		REVISED BY		DATE		APPROVED BY		DATE	
DESIGNER	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE
1840505-1	10/22/10								
CUSTOMER DRAWING		SCALE		SHEET		OF		TOTAL	
CUSTOMER DRAWING		SCALE 1:1		SHEET 1		OF 2		TOTAL	

ELECTRICAL:

Schematic 4G26ET \triangle \triangle



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



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT		REVISED	DATE	BY	DESCRIPTION
REVISED		DATE	BY	DESCRIPTION	
DESIGNED		DATE	BY	DESCRIPTION	
CHECKED		DATE	BY	DESCRIPTION	
APPROVED		DATE	BY	DESCRIPTION	
DRAWN		DATE	BY	DESCRIPTION	
MATERIAL		DATE	BY	DESCRIPTION	
CUSTOMER DRAWING		SCALE	1:1	SHEET	2 OF 2