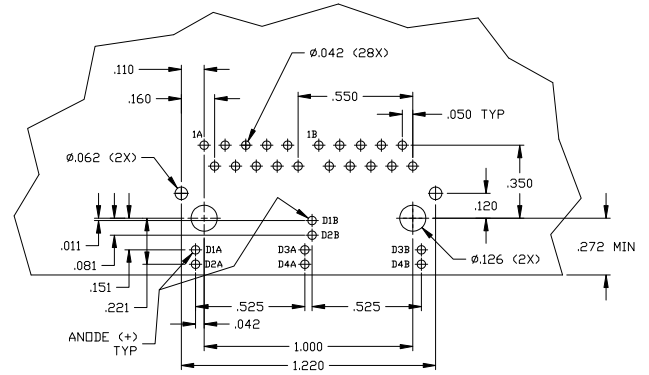
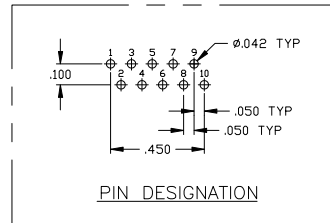
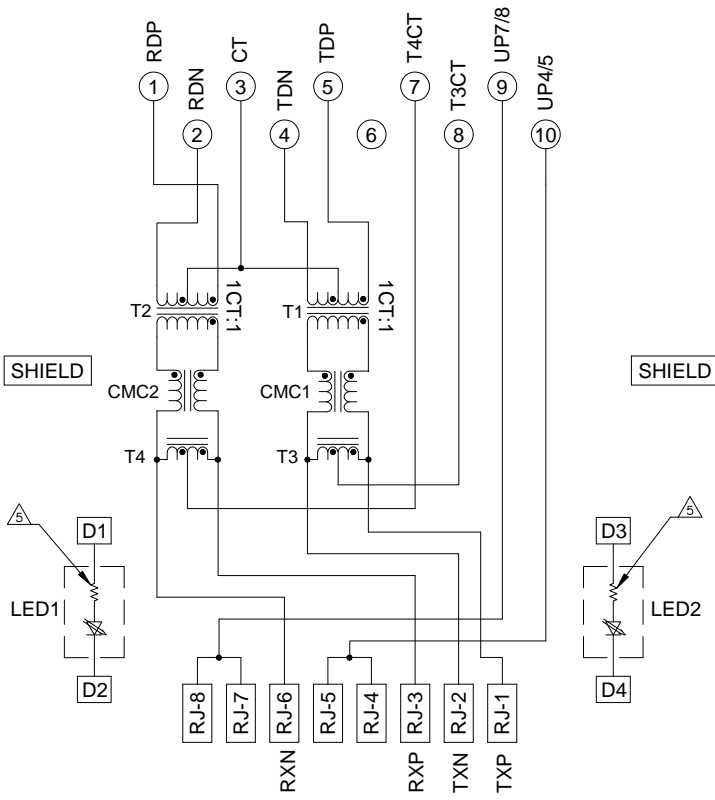


- 1. MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL 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.
- 2. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3. MAGNETICS
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHP-CABLE): TX = 11, RX = 11
 - OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, TX AND RX
 - POE CURRENT: 350mA DC MAX
 - PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 11dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
 - 18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
 - 12dB MIN FROM 60.1MHz TO 80MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20*LOG(f/50)dB MIN FROM 4.01MHz TO 100MHz
 - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 - ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3af 2003, PARA 33.4.1, ITEM a.
- 4. OPERATING TEMPERATURE: FROM 0°C TO -70°C.
- 5. LEDs WITH BUILT-IN RESISTOR
 - LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
 - LED COLOR : DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ VF=5V
 - FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
 - DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ VF=5V
 - FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V
- 6. INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION THE MAGNETICS ARE SYMMETRICAL AND ARE AUTO-MDI/MIX CAPABLE.
- 7. TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 8. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.

THIS DRAWING IS A CONTROLLED DOCUMENT	DATE	BY	REV	DESCRIPTION
GREEN	08/20/11	SH	1	LED1
GREEN	08/20/11	SH	2	LED2
1-6610128-1				PART NUMBER
TE Connectivity				
DESIGNER: J. FERNANDEZ				
DRAWN: J. FERNANDEZ				
CHECKED: J. FERNANDEZ				
APPROVED: J. FERNANDEZ				
MATERIAL: 1X2 MAG45(M) 10/100 PHE PAND SCHEMATIC (10 PIN FOOTPRINT), 7V15 MAGNETIC CIRCUIT, W/OP APPLICATION, SHIELDED, WITH LEDS				
CUSTOMER DRAWING				

7V15 MAGNETIC CIRCUIT



THIS DRAWING IS A CONTROLLED DOCUMENT		REV. AA 22		TE Connectivity	
DESIGNER	DATE	BY	DATE	REV. AA	DESCRIPTION
J. FERNANDEZ	10/10/10	J. FERNANDEZ	10/10/10	22	1/2 MAGNETIC 10/100 PINE PIN SCHEMATIC (10 PIN FOOTPRINT), 7V15 MAGNETIC CIRCUIT, W/OP APPLICATION, SHIELDED, WITH LEADS
1	1	1	1	1	1
CUSTOMER DRAWING		A100779		6610128	
PAGE 4:1		SHEET 2		REV. 0	