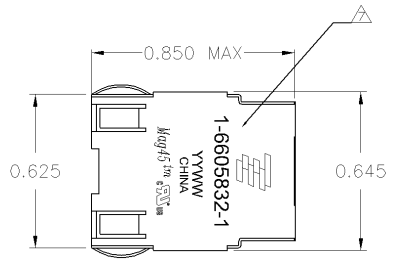


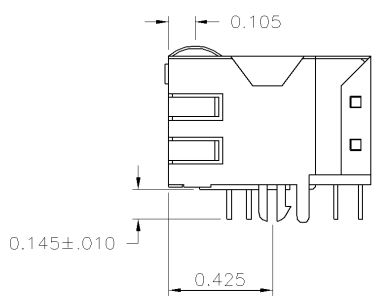
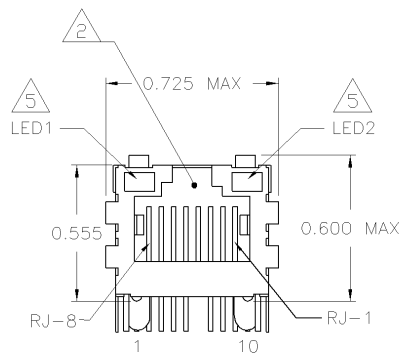
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MECHANICAL:

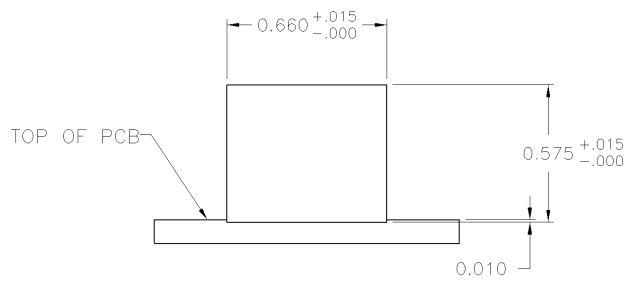
LOC		REV		REVISIONS			
AA	22	P	DR	DESCRIPTION	DATE	QTY	APPROV
		B	REV PER	ECO-08-D15465	03JUN2008	QL	TX



- ⚠ MATERIALS:
  - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
  - SHIELD - 0.010" 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.
- ⚠ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- ⚠ MAGNETICS
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP: CABLE): TX = 1:1, RX = 1:1
  - OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
  - POE CURRENT: 350mA DC MAX
  - 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(f/30dB) 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/50dB) MIN FROM 40.1MHz 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° - +70°



- ⚠ 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
- ⚠ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRIC TO SUPPORT AUTO-MDIX.
- ⚠ TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- B. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS. PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.



GREEN		GREEN		1-6605832-1	
LED1		LED2		PART NUMBER	
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DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPROVALS:	
0 P/C	# -	0 P/C	# -	DESIGNED BY	DATE
1 P/C	# -	1 P/C	# -	DRAWN BY	DATE
2 P/C	# .01	2 P/C	# .01	CHECKED BY	DATE
3 P/C	# .005	3 P/C	# .005	APPROVED BY	DATE
4 P/C	# -	4 P/C	# -		
MATERIAL		FINISH		RESTRICTED TO	
A2		A2		A2	
CUSTOMER DRAWING		SCALE		SHEET 1 OF 2	

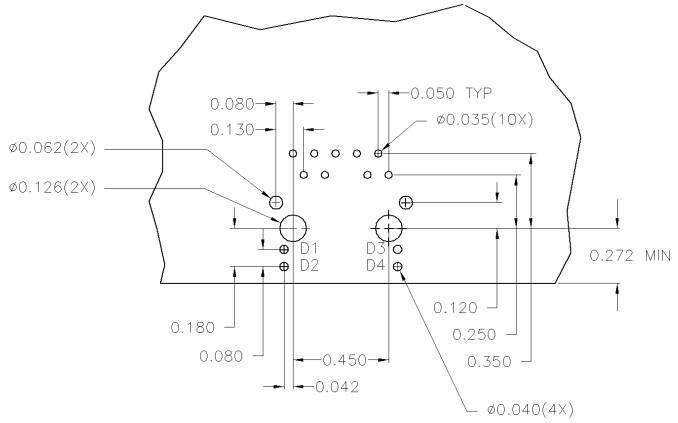
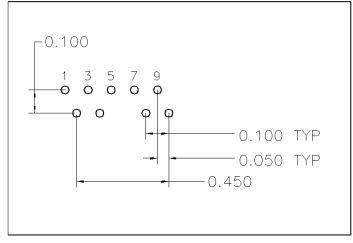
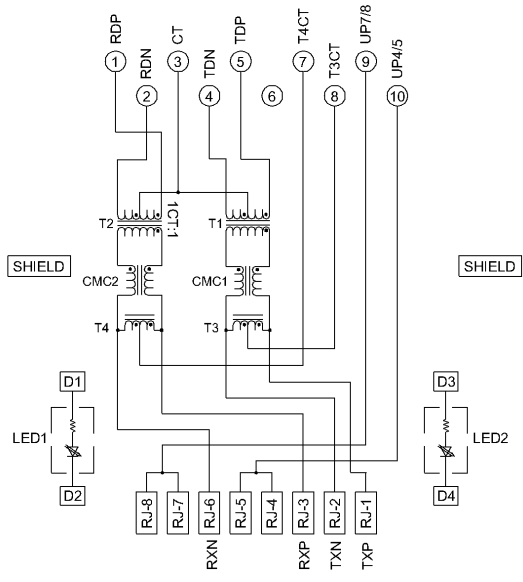
6605832

A

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REV. NO.		DATE		DESCRIPTION	
AA	22	-	-	SEE SHEET 1	-

7V15 Magnetic CIRCUIT ⚠⚠



Suggested Footprint

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV. NO.	DATE	DESCRIPTION
DIMENSIONS IN INCHES		AA	22	SEE SHEET 1
TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWING NO. 6605832		
0 PLC # -		CASE CODE 00779		
1 PLC # -		DRAWING NO. 6605832		
2 PLC # .01		SCALE NTS		
3 PLC # .005		SHEET 2 OF 2		
4 PLC # -		REV B		
FINISH		CUSTOMER DRAWING		
MATERIAL		1x1, MAG45(TM), 10/100, 7V15 CIRCUIT, TAB UP, W RESISTOR LED, NO CAPACITOR		
WEIGHT		RESTRICTED TO		

6605832