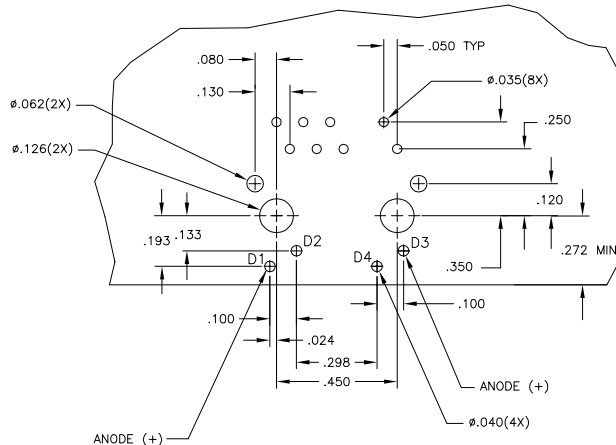
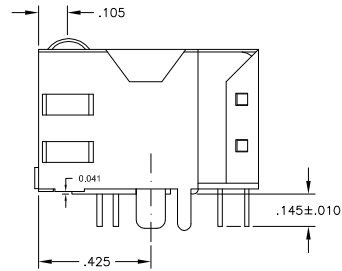
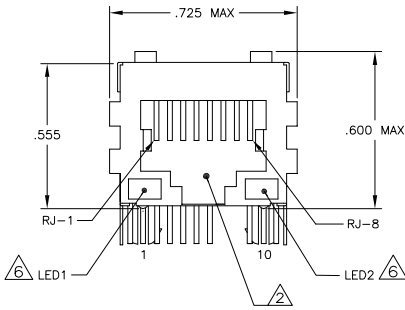
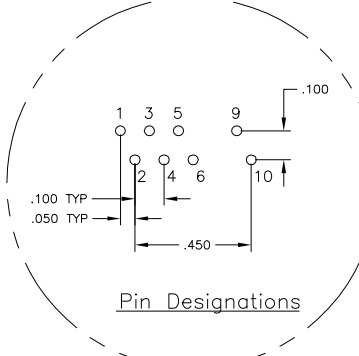
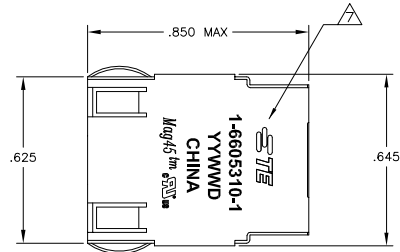


LOC	DATE	REVISIONS			
AA	22				
#	DATE	DESCRIPTION	BY	CHK	APP'D
C2	28MAY11	REVISED PER ECO-11-010839	RK	HMR	
D	30OCT2011	ECO-11-015773	EL	LR	

**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 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 100μINCH 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 = 1:1, RX = 1:1  
-OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, TX AND RX  
-POE CURRENT: 350mADC 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/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 40.1MHZ TO 100MHZ  
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHZ TO 100MHZ  
ISOLATION VOLTAGE: 1500VAC (MAX) AT 60Hz FOR 60 SECS.

- 4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.

- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRIC, AND SUPPORT AUTO-MDI/MIDX.

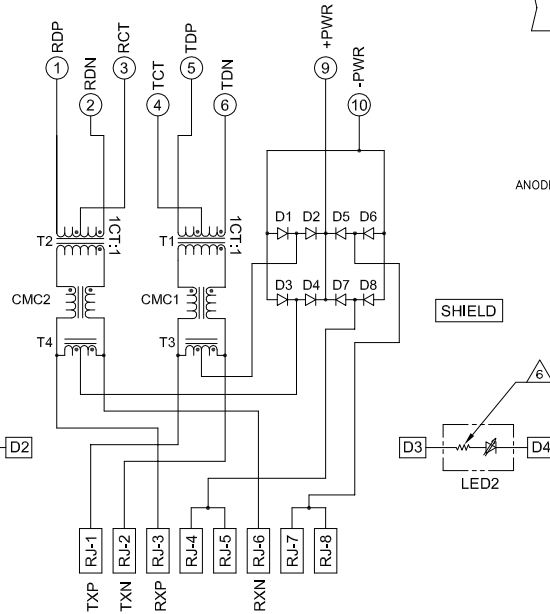
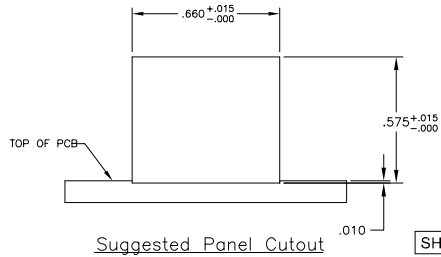
- THE 250 OHM RESISTOR IS INCLUDED IN THE LEDS. LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA. LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ VF=5V  
FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V

- 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, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

**ELECTRICAL:**

**3D15 SERIES PoE MAGNETIC CIRCUIT**



D1-D8 = RECTIFIER DIODES  
FORWARD VOLTAGE, Vf = 1.2V MAX @ If=0.5A  
FORWARD CURRENT, If = 0.5A MAX  
REVERSE VOLTAGE, Vr = 80V MAX

DIMENSIONS:		DRAWING NO.		REV	
0	INCHES	100779	100779	1	1
1	INCHES	100779	100779	2	1
2	INCHES	100779	100779	3	1
3	INCHES	100779	100779	4	1
4	INCHES	100779	100779	5	1
5	INCHES	100779	100779	6	1
6	INCHES	100779	100779	7	1
7	INCHES	100779	100779	8	1
8	INCHES	100779	100779	9	1
9	INCHES	100779	100779	10	1
10	INCHES	100779	100779	11	1
11	INCHES	100779	100779	12	1
12	INCHES	100779	100779	13	1
13	INCHES	100779	100779	14	1
14	INCHES	100779	100779	15	1
15	INCHES	100779	100779	16	1
16	INCHES	100779	100779	17	1
17	INCHES	100779	100779	18	1
18	INCHES	100779	100779	19	1
19	INCHES	100779	100779	20	1
20	INCHES	100779	100779	21	1
21	INCHES	100779	100779	22	1
22	INCHES	100779	100779	23	1
23	INCHES	100779	100779	24	1
24	INCHES	100779	100779	25	1
25	INCHES	100779	100779	26	1
26	INCHES	100779	100779	27	1
27	INCHES	100779	100779	28	1
28	INCHES	100779	100779	29	1
29	INCHES	100779	100779	30	1
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31	INCHES	100779	100779	32	1
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40	INCHES	100779	100779	41	1
41	INCHES	100779	100779	42	1
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94	INCHES	100779	100779	95	1
95	INCHES	100779	100779	96	1
96	INCHES	100779	100779	97	1
97	INCHES	100779	100779	98	1
98	INCHES	100779	100779	99	1
99	INCHES	100779	100779	100	1