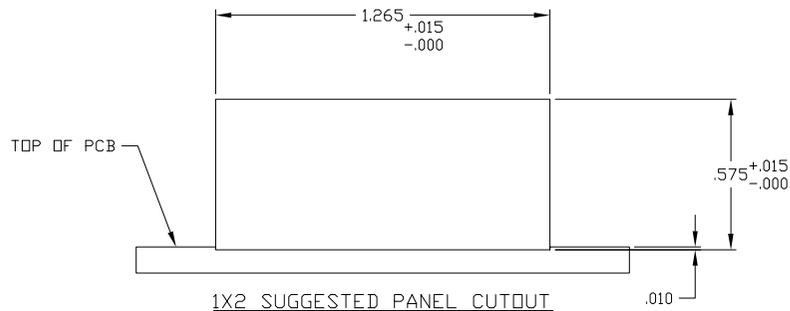
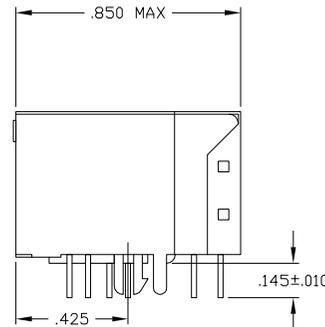
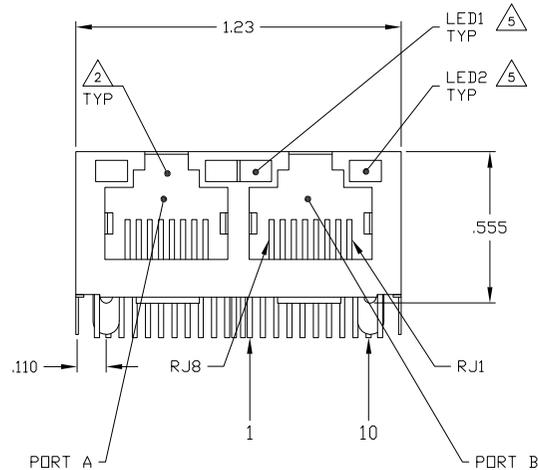
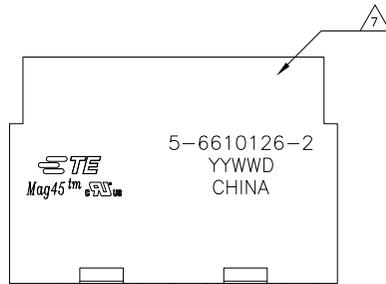


LOC	DIST	REVISIONS	DATE	BY	APP'D
AA	22				
B		REV PER ECO-08-012990	14APR2008	DC	TX
C		ECO-11-013359	20MAY2011	EL	LR

MECHANICAL:

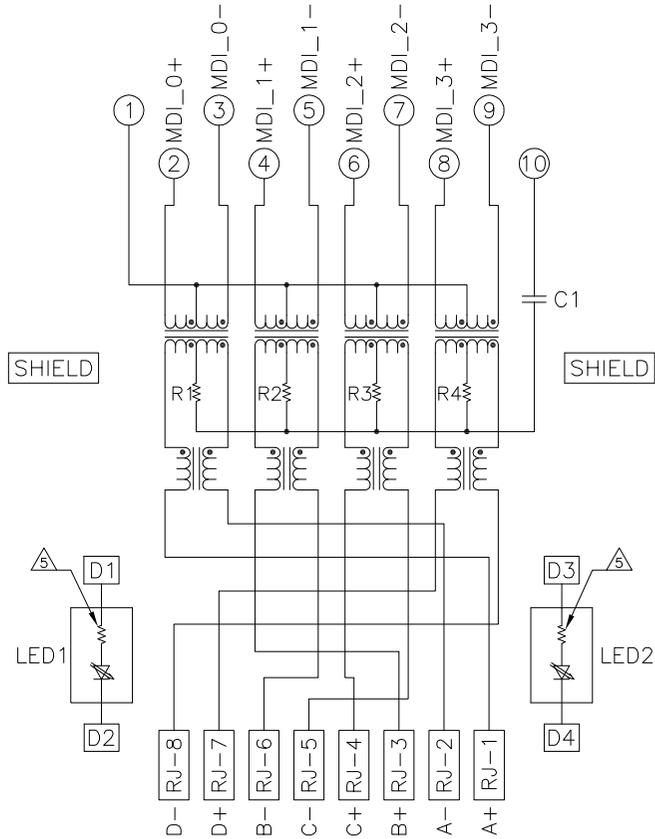


1. MATERIALS:
  - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94-V-0.
  - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
  - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL 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 (CHIP-CABLE): 1:1 ALL FOUR PAIRS
  - OPEN CIRCUIT INDUCTANCE (OCL): 350mH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°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 40MHZ
    - 12-20LOG(f/80)dB MIN FROM 4.0.1MHZ TO 100MHZ
    - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHZ TO 4.0MHZ
    - 33-20\*LOG(f/50)dB MIN FROM 4.0.1MHZ TO 100MHZ
    - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHZ TO 100MHZ
  - ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.
4. OPERATING TEMPERATURE FROM 0°C TO +70°C.
5. THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA. LED COLOR:
  - DOMINANT WAVELENGTH(AD): GREEN 568nm TYP. @ VF=5V
  - FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
  - DOMINANT WAVELENGTH (AD): YELLOW 588 nm TYP. @ VF=5V
  - FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V
6. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
7. TE CONNECTIVITY 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.

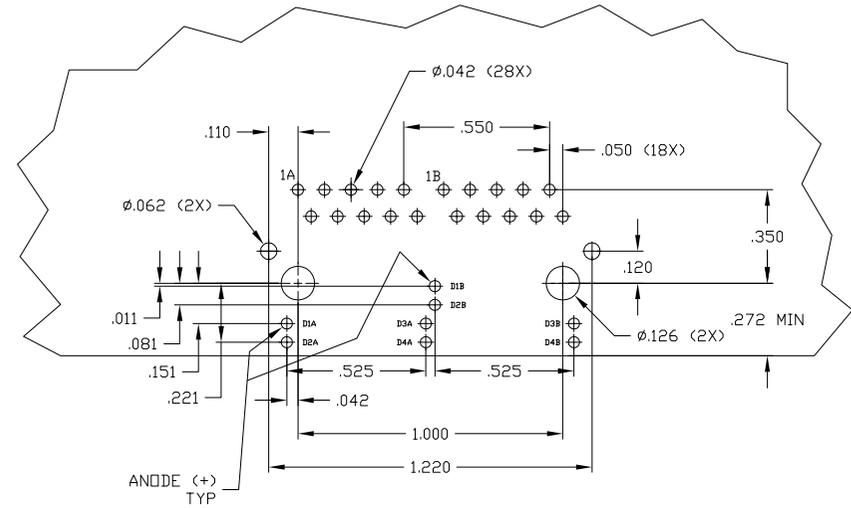
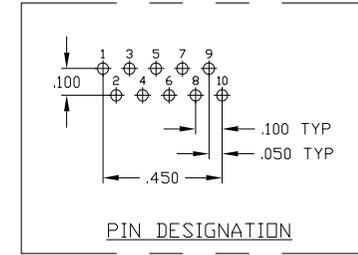
YES	YELLOW	GREEN	5-6610126-2
2KV DECOUPLING CAPACITOR	LED1	LED2	PART NUMBER

DIMENSIONS:		DRAWING NO.		DATE		REV	
0	P.L.C.	1	00779	11	00779	1	00779
1	P.L.C.	2	00779	11	00779	2	00779
2	P.L.C.	3	00779	11	00779	3	00779
3	P.L.C.	4	00779	11	00779	4	00779
4	P.L.C.	5	00779	11	00779	5	00779
5	P.L.C.	6	00779	11	00779	6	00779
6	P.L.C.	7	00779	11	00779	7	00779
7	P.L.C.	8	00779	11	00779	8	00779
8	P.L.C.	9	00779	11	00779	9	00779
9	P.L.C.	10	00779	11	00779	10	00779
10	P.L.C.	11	00779	11	00779	11	00779
11	P.L.C.	12	00779	11	00779	12	00779
12	P.L.C.	13	00779	11	00779	13	00779
13	P.L.C.	14	00779	11	00779	14	00779
14	P.L.C.	15	00779	11	00779	15	00779
15	P.L.C.	16	00779	11	00779	16	00779
16	P.L.C.	17	00779	11	00779	17	00779
17	P.L.C.	18	00779	11	00779	18	00779
18	P.L.C.	19	00779	11	00779	19	00779
19	P.L.C.	20	00779	11	00779	20	00779
20	P.L.C.	21	00779	11	00779	21	00779
21	P.L.C.	22	00779	11	00779	22	00779
22	P.L.C.	23	00779	11	00779	23	00779
23	P.L.C.	24	00779	11	00779	24	00779
24	P.L.C.	25	00779	11	00779	25	00779
25	P.L.C.	26	00779	11	00779	26	00779
26	P.L.C.	27	00779	11	00779	27	00779
27	P.L.C.	28	00779	11	00779	28	00779
28	P.L.C.	29	00779	11	00779	29	00779
29	P.L.C.	30	00779	11	00779	30	00779
30	P.L.C.	31	00779	11	00779	31	00779
31	P.L.C.	32	00779	11	00779	32	00779
32	P.L.C.	33	00779	11	00779	33	00779
33	P.L.C.	34	00779	11	00779	34	00779
34	P.L.C.	35	00779	11	00779	35	00779
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36	P.L.C.	37	00779	11	00779	37	00779
37	P.L.C.	38	00779	11	00779	38	00779
38	P.L.C.	39	00779	11	00779	39	00779
39	P.L.C.	40	00779	11	00779	40	00779
40	P.L.C.	41	00779	11	00779	41	00779
41	P.L.C.	42	00779	11	00779	42	00779
42	P.L.C.	43	00779	11	00779	43	00779
43	P.L.C.	44	00779	11	00779	44	00779
44	P.L.C.	45	00779	11	00779	45	00779
45	P.L.C.	46	00779	11	00779	46	00779
46	P.L.C.	47	00779	11	00779	47	00779
47	P.L.C.	48	00779	11	00779	48	00779
48	P.L.C.	49	00779	11	00779	49	00779
49	P.L.C.	50	00779	11	00779	50	00779
50	P.L.C.	51	00779	11	00779	51	00779
51	P.L.C.	52	00779	11	00779	52	00779
52	P.L.C.	53	00779	11	00779	53	00779
53	P.L.C.	54	00779	11	00779	54	00779
54	P.L.C.	55	00779	11	00779	55	00779
55	P.L.C.	56	00779	11	00779	56	00779
56	P.L.C.	57	00779	11	00779	57	00779
57	P.L.C.	58	00779	11	00779	58	00779
58	P.L.C.	59	00779	11	00779	59	00779
59	P.L.C.	60	00779	11	00779	60	00779
60	P.L.C.	61	00779	11	00779	61	00779
61	P.L.C.	62	00779	11	00779	62	00779
62	P.L.C.	63	00779	11	00779	63	00779
63	P.L.C.	64	00779	11	00779	64	00779
64	P.L.C.	65	00779	11	00779	65	00779
65	P.L.C.	66	00779	11	00779	66	00779
66	P.L.C.	67	00779	11	00779	67	00779
67	P.L.C.	68	00779	11	00779	68	00779
68	P.L.C.	69	00779	11	00779	69	00779
69	P.L.C.	70	00779	11	00779	70	00779
70	P.L.C.	71	00779	11	00779	71	00779
71	P.L.C.	72	00779	11	00779	72	00779
72	P.L.C.	73	00779	11	00779	73	00779
73	P.L.C.	74	00779	11	00779	74	00779
74	P.L.C.	75	00779	11	00779	75	00779
75	P.L.C.	76	00779	11	00779	76	00779
76	P.L.C.	77	00779	11	00779	77	00779
77	P.L.C.	78	00779	11	00779	78	00779
78	P.L.C.	79	00779	11	00779	79	00779
79	P.L.C.	80	00779	11	00779	80	00779
80	P.L.C.	81	00779	11	00779	81	00779
81	P.L.C.	82	00779	11	00779	82	00779
82	P.L.C.	83	00779	11	00779	83	00779
83	P.L.C.	84	00779	11	00779	84	00779
84	P.L.C.	85	00779	11	00779	85	00779
85	P.L.C.	86	00779	11	00779	86	00779
86	P.L.C.	87	00779	11	00779	87	00779
87	P.L.C.	88	00779	11	00779	88	00779
88	P.L.C.	89	00779	11	00779	89	00779
89	P.L.C.	90	00779	11	00779	90	00779
90	P.L.C.	91	00779	11	00779	91	00779
91	P.L.C.	92	00779	11	00779	92	00779
92	P.L.C.	93	00779	11	00779	93	00779
93	P.L.C.	94	00779	11	00779	94	00779
94	P.L.C.	95	00779	11	00779	95	00779
95	P.L.C.	96	00779	11	00779	96	00779
96	P.L.C.	97	00779	11	00779	97	00779
97	P.L.C.	98	00779	11	00779	98	00779
98	P.L.C.	99	00779	11	00779	99	00779
99	P.L.C.	100	00779	11	00779	100	00779

7G01P1 SERIES GIGABIT CIRCUIT  $\triangle$  $\triangle$



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



SUGGESTED PCB LAYOUT  
 (Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	A	DATE	17MAR2003
DRAWN BY		DESIGNED BY	D. FAROLE	DATE	17MAR2003
CHECKED BY		APPROVED BY	D. FAROLE	DATE	17MAR2003
DIMENSIONS:		INCHES		NAME	
0	P.L.C.	±		PRODUCT SPEC	1X2 MA645(TW) MODULAR JACK, 7G1 SCHEMATIC, 01P1 SERIES CIRCUIT (10 PIN HORIZONTAL), SHIELDED, WITH RESISTOR LEADS, NO TABS
1	P.L.C.	±		APPLICATION SPEC	
2	P.L.C.	±	.010	SIZE	A1
3	P.L.C.	±	.005	DWG CODE	00779
4	P.L.C.	±	*	DRAWING NO	C=6610126
MATERIAL		FINISH	WEIGHT	SCALE	4:1
				SHEET	2 of 2
				REV	C