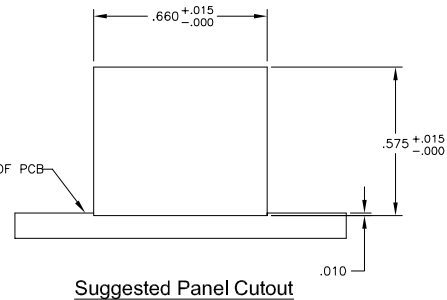
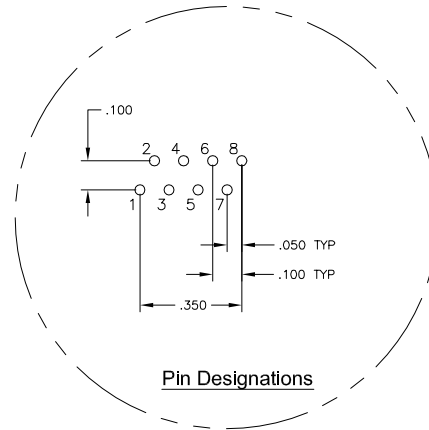
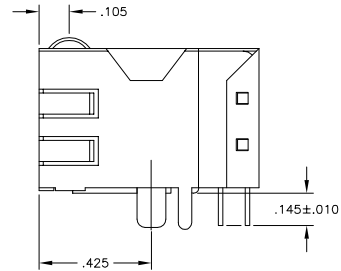
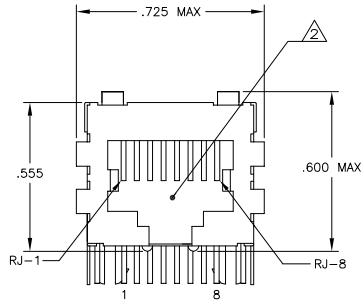
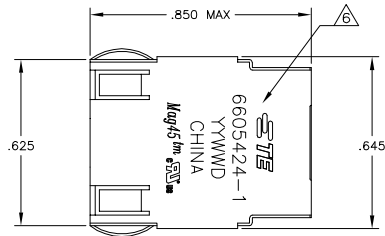


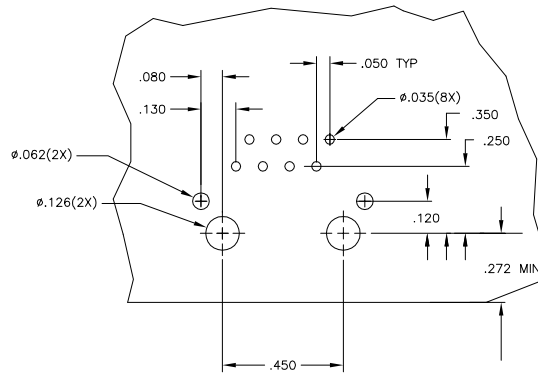
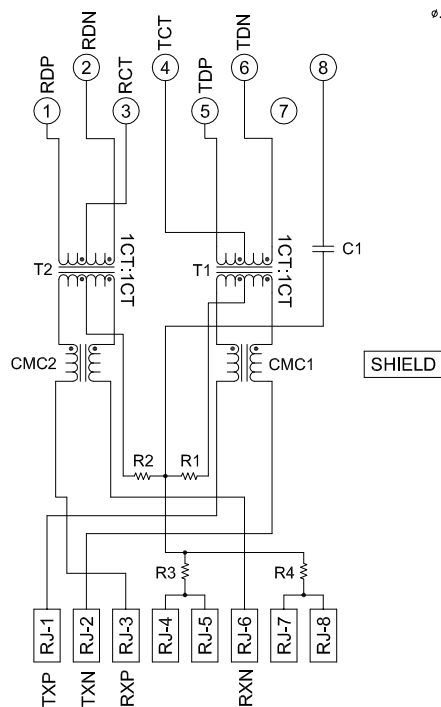
LOC	DATE	REVISIONS	DATE	BY	APP'D
AA	22				
B1		REVISED PER ECO-11-005140	25MAR11	RK	HMR
C		ECO-11-015766	30MAY2011	EL	LR

MECHANICAL:



ELECTRICAL:

426 SERIES MAGNETIC CIRCUIT



**Suggested PCB Layout
(Component Side)**

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.

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
 - 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: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.

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

INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND SUPPORTS AUTO-MDI/MDIX.

TE CONNECTIVITY LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

7. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.

C1 = 1000 pF, 2kV CAPACITOR

R1-R4 = 75 OHMS, 1/16 W RESISTORS

6605424-1
PART NUMBER

DIMENSIONS:		DRAWING SPECIFICATIONS:		DRAWING INFORMATION:	
INCHES:	0.001	UNLESS OTHERWISE SPECIFIED:	UNLESS OTHERWISE SPECIFIED:	DATE:	25MAR11
1.0	± .005	1.0	± .005	BY:	RK
2.0	± .010	2.0	± .010	APP'D:	HMR
3.0	± .015	3.0	± .015	SCALE:	1:1
4.0	± .020	4.0	± .020	RESTRICTED TO:	
5.0	± .025	5.0	± .025		
6.0	± .030	6.0	± .030		
7.0	± .035	7.0	± .035		
8.0	± .040	8.0	± .040		
9.0	± .045	9.0	± .045		
10.0	± .050	10.0	± .050		
11.0	± .055	11.0	± .055		
12.0	± .060	12.0	± .060		
13.0	± .065	13.0	± .065		
14.0	± .070	14.0	± .070		
15.0	± .075	15.0	± .075		
16.0	± .080	16.0	± .080		
17.0	± .085	17.0	± .085		
18.0	± .090	18.0	± .090		
19.0	± .095	19.0	± .095		
20.0	± .100	20.0	± .100		
21.0	± .105	21.0	± .105		
22.0	± .110	22.0	± .110		
23.0	± .115	23.0	± .115		
24.0	± .120	24.0	± .120		
25.0	± .125	25.0	± .125		
26.0	± .130	26.0	± .130		
27.0	± .135	27.0	± .135		
28.0	± .140	28.0	± .140		
29.0	± .145	29.0	± .145		
30.0	± .150	30.0	± .150		
31.0	± .155	31.0	± .155		
32.0	± .160	32.0	± .160		
33.0	± .165	33.0	± .165		
34.0	± .170	34.0	± .170		
35.0	± .175	35.0	± .175		
36.0	± .180	36.0	± .180		
37.0	± .185	37.0	± .185		
38.0	± .190	38.0	± .190		
39.0	± .195	39.0	± .195		
40.0	± .200	40.0	± .200		
41.0	± .205	41.0	± .205		
42.0	± .210	42.0	± .210		
43.0	± .215	43.0	± .215		
44.0	± .220	44.0	± .220		
45.0	± .225	45.0	± .225		
46.0	± .230	46.0	± .230		
47.0	± .235	47.0	± .235		
48.0	± .240	48.0	± .240		
49.0	± .245	49.0	± .245		
50.0	± .250	50.0	± .250		
51.0	± .255	51.0	± .255		
52.0	± .260	52.0	± .260		
53.0	± .265	53.0	± .265		
54.0	± .270	54.0	± .270		
55.0	± .275	55.0	± .275		
56.0	± .280	56.0	± .280		
57.0	± .285	57.0	± .285		
58.0	± .290	58.0	± .290		
59.0	± .295	59.0	± .295		
60.0	± .300	60.0	± .300		
61.0	± .305	61.0	± .305		
62.0	± .310	62.0	± .310		
63.0	± .315	63.0	± .315		
64.0	± .320	64.0	± .320		
65.0	± .325	65.0	± .325		
66.0	± .330	66.0	± .330		
67.0	± .335	67.0	± .335		
68.0	± .340	68.0	± .340		
69.0	± .345	69.0	± .345		
70.0	± .350	70.0	± .350		
71.0	± .355	71.0	± .355		
72.0	± .360	72.0	± .360		
73.0	± .365	73.0	± .365		
74.0	± .370	74.0	± .370		
75.0	± .375	75.0	± .375		
76.0	± .380	76.0	± .380		
77.0	± .385	77.0	± .385		
78.0	± .390	78.0	± .390		
79.0	± .395	79.0	± .395		
80.0	± .400	80.0	± .400		
81.0	± .405	81.0	± .405		
82.0	± .410	82.0	± .410		
83.0	± .415	83.0	± .415		
84.0	± .420	84.0	± .420		
85.0	± .425	85.0	± .425		
86.0	± .430	86.0	± .430		
87.0	± .435	87.0	± .435		
88.0	± .440	88.0	± .440		
89.0	± .445	89.0	± .445		
90.0	± .450	90.0	± .450		
91.0	± .455	91.0	± .455		
92.0	± .460	92.0	± .460		
93.0	± .465	93.0	± .465		
94.0	± .470	94.0	± .470		
95.0	± .475	95.0	± .475		
96.0	± .480	96.0	± .480		
97.0	± .485	97.0	± .485		
98.0	± .490	98.0	± .490		
99.0	± .495	99.0	± .495		
100.0	± .500	100.0	± .500		