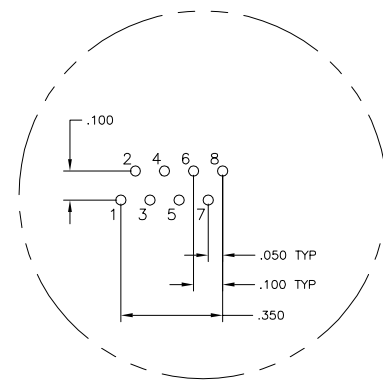
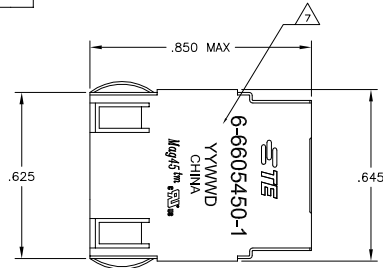
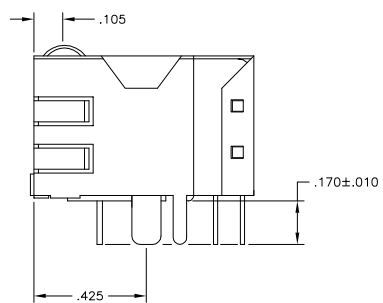
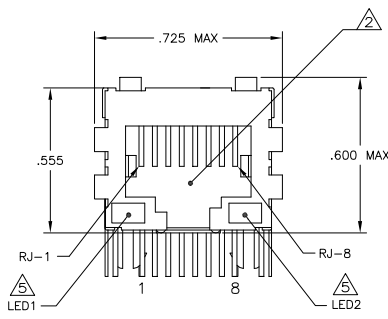


LOC	REV	DATE	BY	APP'D	
AA	22				
REV		DESCRIPTION	DATE	BY	APP'D
C	REV PER ECO-08-026508		28AUG2008	VL	TX
D	ECO-11-015766		30MAY2011	EL	LR

MECHANICAL:

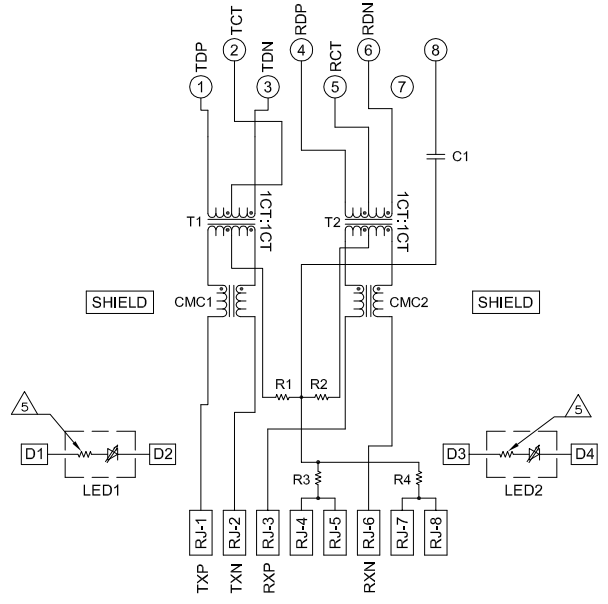


Pin Designations

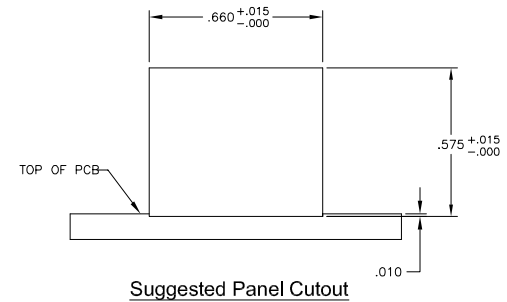


ELECTRICAL:

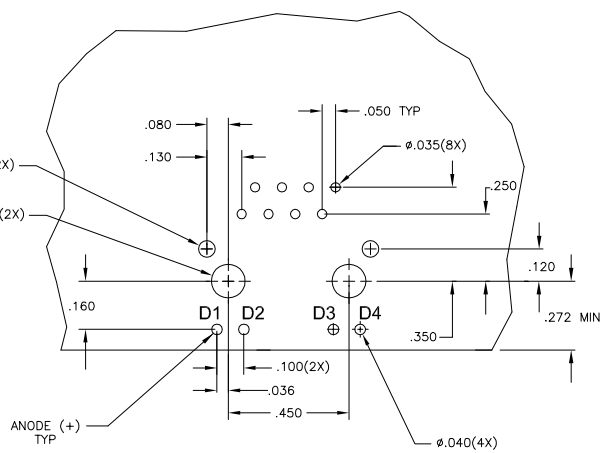
426P1 SERIES MAGNETIC CIRCUIT



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



Suggested Panel Cutout



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.
LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS. PRE-PLATED WITH 80µINCH SILVER OVER 4.0µINCH NICKEL UNDERPLATE OVER 4.0µINCH 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 (CHP-CABLE): TX = 11, RX = 1:1
-OPEN CIRCUIT INDUCTANCE (OCL): 350µH MIN @100kHz, 0 IVRMS, 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
 16-20LOG(I)/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(I)/50dB 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
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C
- THE 250 OHM LED RESISTORS ARE OPTIONAL. PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.**
LED COLOR: DOMINANT WAVELENGTH (D): GREEN 568 nm TYP. IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. IF=20mA
DOMINANT WAVELENGTH (D): YELLOW 588 nm TYP. IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. IF=20mA
IF THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
LED COLOR : DOMINANT WAVELENGTH (D): GREEN 568 nm TYP. VF=5V
FORWARD CURRENT (IF): GREEN 12 mA TYP. VF=5V
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.**
- TE CONNECTIVITY LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.**
8. THESE PARTS ARE 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.

GREEN	YES	GREEN	YES	6-6605450-1
YELLOW	NO	GREEN	NO	5-6605450-9
GREEN	NO	YELLOW	NO	5-6605450-8
GREEN	NO	GREEN	NO	5-6605450-7

LED1	250 OHMS RESISTOR	LED2	250 OHMS RESISTOR	PART NUMBER

DIMENSIONS:		DRAWING NO.		REV	
INCHES	MILLIMETERS	108-2100	108-2100	1	1
0.100 ± .005	2.54 ± 0.127	108-2100	108-2100	1	1
0.050 ± .005	1.27 ± 0.127	108-2100	108-2100	1	1
0.025 ± .005	0.635 ± 0.127	108-2100	108-2100	1	1
0.010 ± .005	0.254 ± 0.127	108-2100	108-2100	1	1
0.005 ± .005	0.127 ± 0.127	108-2100	108-2100	1	1
0.002 ± .005	0.050 ± 0.127	108-2100	108-2100	1	1
0.001 ± .005	0.025 ± 0.127	108-2100	108-2100	1	1
0.0005 ± .005	0.0127 ± 0.127	108-2100	108-2100	1	1
0.0002 ± .005	0.0050 ± 0.127	108-2100	108-2100	1	1
0.0001 ± .005	0.0025 ± 0.127	108-2100	108-2100	1	1
0.00005 ± .005	0.00127 ± 0.127	108-2100	108-2100	1	1
0.00002 ± .005	0.00050 ± 0.127	108-2100	108-2100	1	1
0.00001 ± .005	0.00025 ± 0.127	108-2100	108-2100	1	1
0.000005 ± .005	0.000127 ± 0.127	108-2100	108-2100	1	1
0.000002 ± .005	0.000050 ± 0.127	108-2100	108-2100	1	1
0.000001 ± .005	0.000025 ± 0.127	108-2100	108-2100	1	1
0.0000005 ± .005	0.0000127 ± 0.127	108-2100	108-2100	1	1
0.0000002 ± .005	0.0000050 ± 0.127	108-2100	108-2100	1	1
0.0000001 ± .005	0.0000025 ± 0.127	108-2100	108-2100	1	1
0.00000005 ± .005	0.00000127 ± 0.127	108-2100	108-2100	1	1
0.00000002 ± .005	0.00000050 ± 0.127	108-2100	108-2100	1	1
0.00000001 ± .005	0.00000025 ± 0.127	108-2100	108-2100	1	1
0.000000005 ± .005	0.000000127 ± 0.127	108-2100	108-2100	1	1
0.000000002 ± .005	0.000000050 ± 0.127	108-2100	108-2100	1	1
0.000000001 ± .005	0.000000025 ± 0.127	108-2100	108-2100	1	1
0.0000000005 ± .005	0.0000000127 ± 0.127	108-2100	108-2100	1	1
0.0000000002 ± .005	0.0000000050 ± 0.127	108-2100	108-2100	1	1
0.0000000001 ± .005	0.0000000025 ± 0.127	108-2100	108-2100	1	1
0.00000000005 ± .005	0.00000000127 ± 0.127	108-2100	108-2100	1	1
0.00000000002 ± .005	0.00000000050 ± 0.127	108-2100	108-2100	1	1
0.00000000001 ± .005	0.00000000025 ± 0.127	108-2100	108-2100	1	1
0.000000000005 ± .005	0.000000000127 ± 0.127	108-2100	108-2100	1	1
0.000000000002 ± .005	0.000000000050 ± 0.127	108-2100	108-2100	1	1
0.000000000001 ± .005	0.000000000025 ± 0.127	108-2100	108-2100	1	1
0.0000000000005 ± .005	0.0000000000127 ± 0.127	108-2100	108-2100	1	1
0.0000000000002 ± .005	0.0000000000050 ± 0.127	108-2100	108-2100	1	1
0.0000000000001 ± .005	0.0000000000025 ± 0.127	108-2100	108-2100	1	1
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0.000000000000001 ± .005	0.000000000000025 ± 0.127	108-2100	108-2100	1	1
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0.0000000000000002 ± .005	0.0000000000000050 ± 0.127	108-2100	108-2100	1	1
0.0000000000000001 ± .005	0.0000000000000025 ± 0.127	108-2100	108-2100	1	1
0.00000000000000005 ± .005	0.00000000000000127 ± 0.127	108-2100	108-2100	1	1
0.00000000000000002 ± .005	0.00000000000000050 ± 0.127	108-2100	108-2100	1	1
0.00000000000000001 ± .005	0.00000000000000025 ± 0.127	108-2100	108-2100	1	1
0.000000000000000005 ± .005	0.000000000000000127 ± 0.127	108-2100	108-2100	1	1
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0.0000000000					