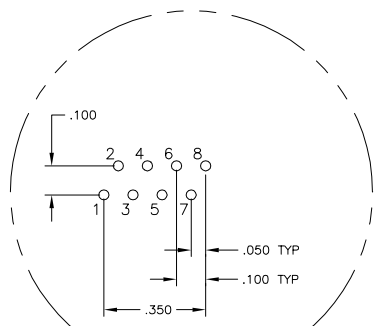
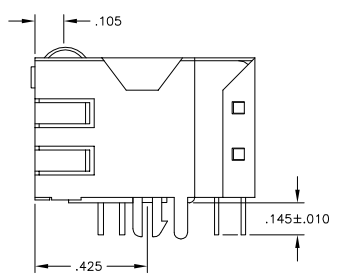
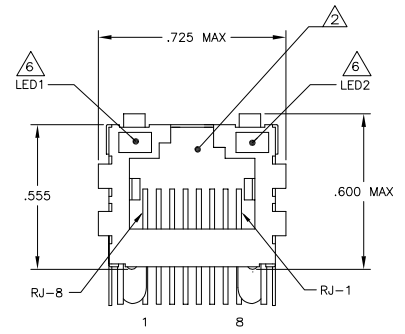
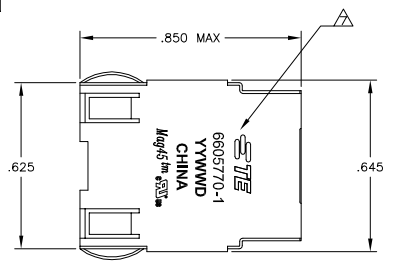
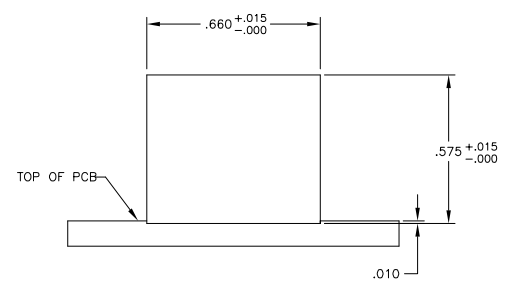


LOC	QTY	REV	PER	DESCRIPTION	DATE	BY	APP
AA	22	B	REV PER ECO-08-030026		14OCT2008	VL	TX
		B1	REVISED PER ECO-09-024827		10NOV09	KK	AEG
		C	ECO-11-015766		30MAY2011	EL	LR

MECHANICAL:

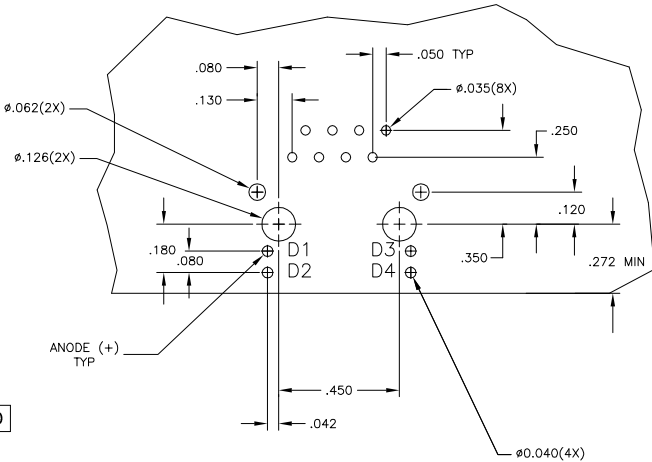
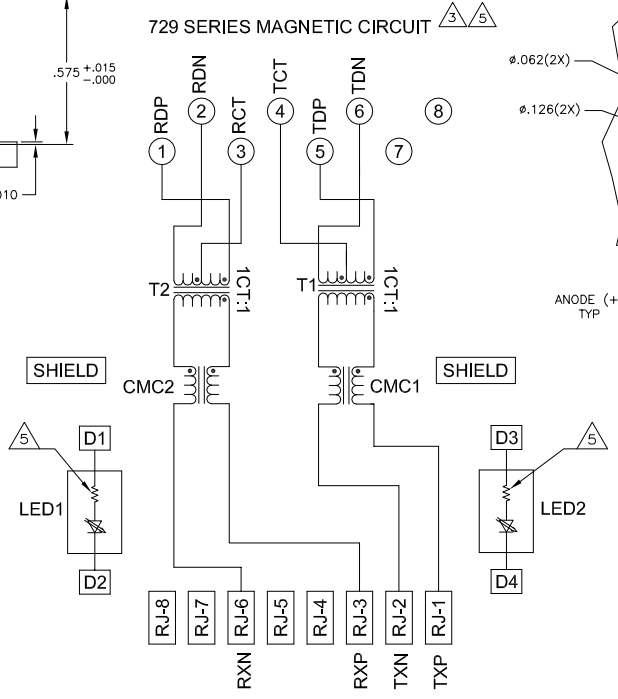


Pin Designations



Suggested Panel Cutout

729 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.
 - 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**
 - APPLICATION: 10 BASE-T
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHP.CABLE): TX = 1:1, RX = 1:1
 - TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL): 14.0μH MIN @ 100kHz, 0.1VRMS
 - LEAKAGE INDUCTANCE (ILL): 0.40μH MAX @ 100kHz, 0.1VRMS
 - INTERWINDING CAPACITANCE (CWW): 15pF MAX @ 100kHz, 0.1VRMS
 - 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 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 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF=5V
- ⚠️ 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.
- ⚠️ **OBSOLETE PARTS:** OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

OBsolete	GREEN	GREEN	6605770-1
	LED1	LED2	PART NUMBER

DIMENSIONS:		DRAWING SPEC:		APPROVAL:		REVISIONS:	
0 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
1 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
2 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
3 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
4 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
5 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
6 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
7 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
8 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
9 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
10 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
11 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
12 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
13 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
14 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
15 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
16 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
17 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
18 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
19 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
20 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
21 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1
22 P.C.	± .010	DATE	10/2008	NAME	TE Connectivity	REV	1