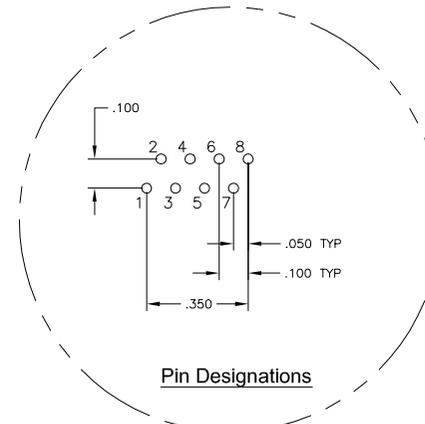
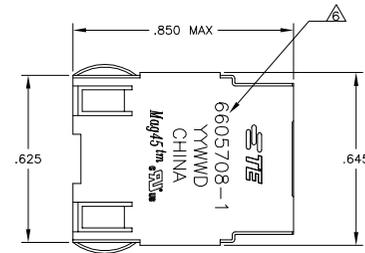
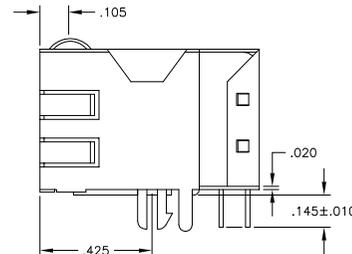
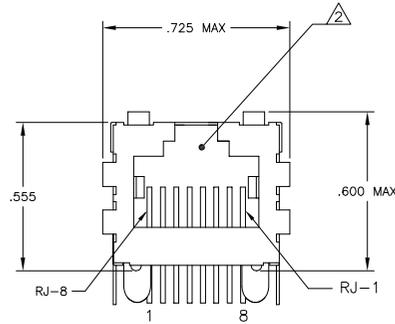


LOC	DATE	REVISIONS	DATE	BY	APP'D
AA	22				
B		REV PER ECO-08-021534	10APR2008	DC	TX
B1		REVISED PER ECO-09-024927	10NOV09	KK	AEG
C		ECO-11-015766	30MAY2011	EL	LR

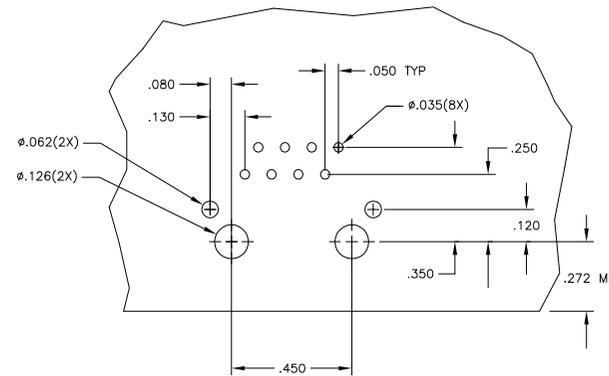
MECHANICAL:



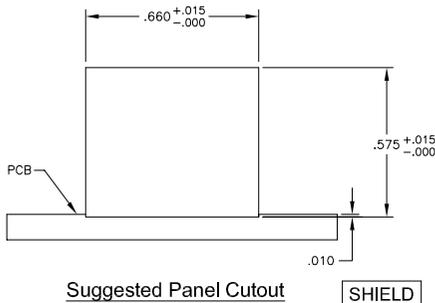
Pin Designations



714 SERIES MAGNETIC CIRCUIT

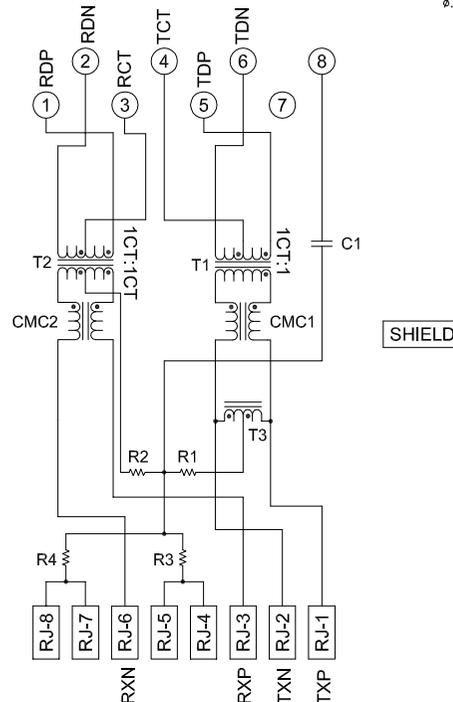


**Suggested PCB Layout
(Component Side)**



Suggested Panel Cutout

SHIELD



C1 = 1000 pF, 2kV CAPACITOR

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

- ⚠ **MATERIALS:**
HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30mINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100mINCH MIN SAC SOLDER.
MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50mINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50mINCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100mINCH 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): 350nH 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
 33-20xLOG(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° TO +70°C.
- ⚠ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRIC, AND ARE NOT AUTO-MDI/MDIX CAPABLE.
- ⚠ TE CONNECTIVITY LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 7. 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	NO	6605708-2
	YES	6605708-1
	2KV DECOUPLING CAPACITOR	PART NUMBER

DIMENSIONS:		DRAWING NO.		NAME	
INCHES	0.100 ± .005	100MAY2008	100MAY2008	TX1	TX1 M045(TM), MODULAR JACK, 714 SERIES SCHEMATIC, (10/100 ETHERNET), 714 SERIES CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, NO LEDS
0.100 ± .005	0.100 ± .005	100MAY2008	100MAY2008	TX1	TX1 M045(TM), MODULAR JACK, 714 SERIES SCHEMATIC, (10/100 ETHERNET), 714 SERIES CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, NO LEDS
0.100 ± .005	0.100 ± .005	100MAY2008	100MAY2008	TX1	TX1 M045(TM), MODULAR JACK, 714 SERIES SCHEMATIC, (10/100 ETHERNET), 714 SERIES CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, NO LEDS
0.100 ± .005	0.100 ± .005	100MAY2008	100MAY2008	TX1	TX1 M045(TM), MODULAR JACK, 714 SERIES SCHEMATIC, (10/100 ETHERNET), 714 SERIES CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, NO LEDS
MATERIAL	FINISH	WEIGHT	SCALE	SHEET	REV
			NTS	1	C