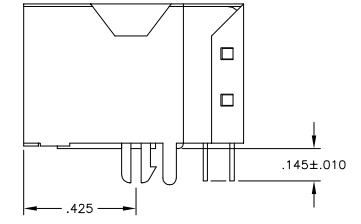
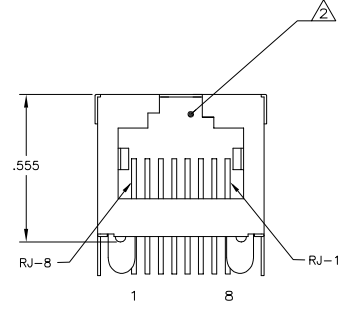
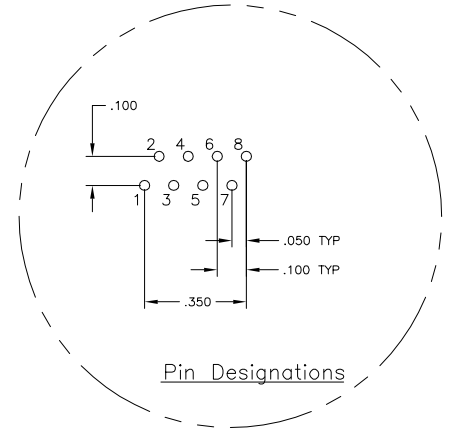
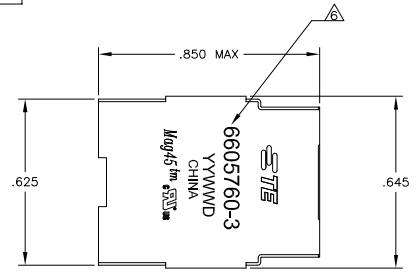


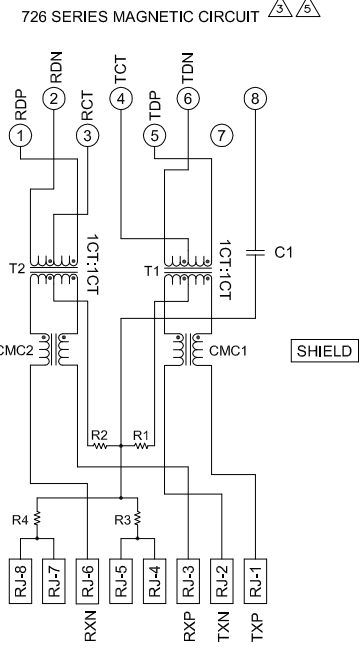
LOC	DATE	REVISIONS	DATE	BY	APP'D
AA	22				
B		REV PER ECO-08-032095	10MAR2008	VL	LR
C		ECO-11-015766	30MAY2011	EL	LR

MECHANICAL:

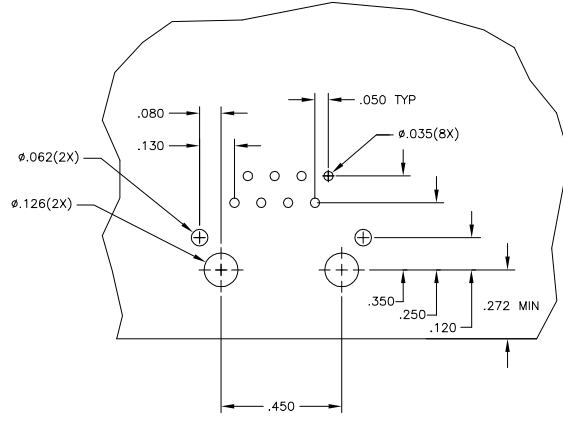


- MATERIALS:**
- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL, SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 - MOD JACK CONTACTS - 0.0157" x 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL 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 = 11, RX = 11
 - 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° TO +70°C.
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND ARE AUTO-MDI/MDIX CAPABLE.
- 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 WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

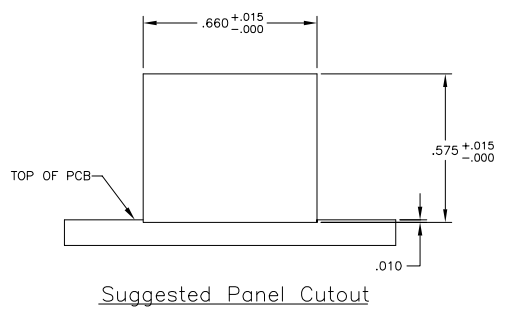
ELECTRICAL:



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



Suggested PCB Layout
 (Component Side)



Suggested Panel Cutout

6605760-3
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV. 1 - VARELA - 01MAR2008	NAME	1X1 M4x45(TM) MODULAR JACK, 7N2 SCHEMATIC, 726 MAGNETIC CIRCUIT, DECOUPLING CAPACITOR, SHIELDED, NO LEADS, AND NO PANEL GROUND TABS
DIMENSIONS:		DES. FAROLE - 01MAR2008	APPRO. D. FAROLE - 01MAR2008	SIZE
INCHES		PRODUCT SPEC		108-2100
0 P.C. ± -		APPLICATION SPEC		
1 P.C. ± .010				
2 P.C. ± .010				
3 P.C. ± .005				
4 P.C. ± .005				
MATERIAL		WEIGHT		
FINISH		SCALE		
		CUSTOMER DRAWING		