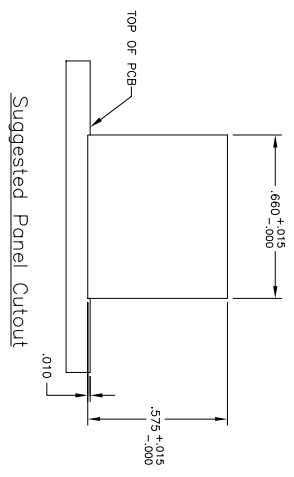
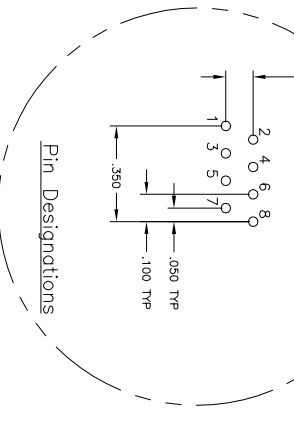
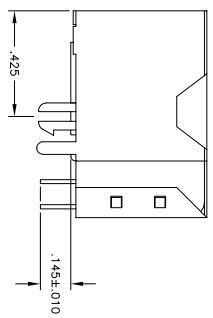
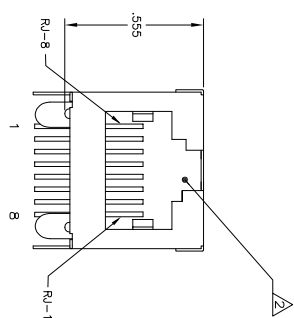
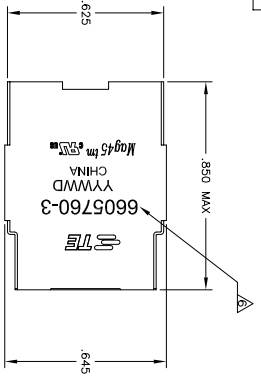
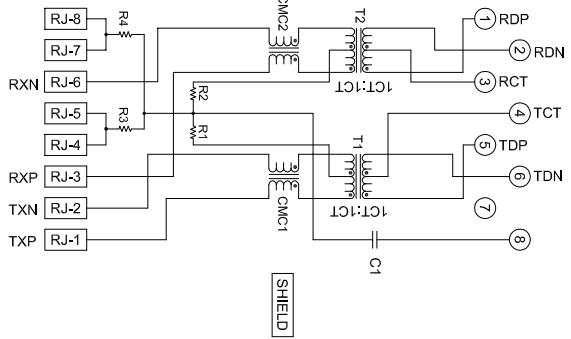


MECHANICAL:

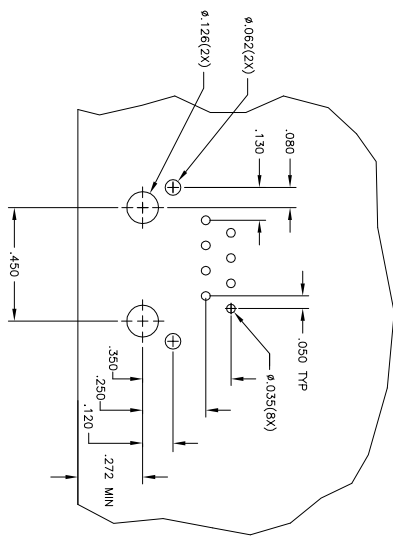


ELECTRICAL:



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

Suggested PCB Layout (Component Side)



MATERIALS

- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
- SHIELD - .010" THICK, C2680 BRASS PREPLATED WITH 30UMIN MIN SEMI-BRIGHT NICKEL, SOLDER TABS FOSI DIPPED WITH 30UMIN MIN SAC SOLDER
- MOD JACK CON ACTS - .0015" X .010" PHOSPHOR BRONZE 20UMIN MIN OVERALL NICKEL UNDERPLATE, WITH SELECT SOLDER WITH HARD GOLD FINISH PLATE.
- SOLDER TABS WITH 100UMIN MIN HAUTE TIN AND/OR SAC SOLDER DIP.

MAGNETICS

- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP CABLE): TX = 11, RX = 11
- OPEN CIRCUIT INDUCTANCE (OCL): 350UH MIN @ 100MHZ, 0 VDRMS, 80MA DC 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/50)DB MIN FROM 30.1MHZ TO 60MHZ
- 12DB MIN FROM 60.1MHZ TO 80MHZ
- CROSS TALK ATTENUATION: 35dB MIN FROM 0.5MHZ TO 4.0MHZ
- 33 - 20\*LOG(F/50)DB MIN FROM 4.01MHZ TO 100MHZ
- COMMON MODE REFLECTION RATIO (CMRR): 30dB MIN FROM 0.5MHZ TO 100MHZ
- ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC

- OPERATING TEMPERATURE: FROM 0° TO +70°C
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND ARE AUTO-MD/MDX CAPABLE.
- TE CONNECTIVITY LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROPRIATE LOCATION SHOWN.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 70°C TO 160°C, 120 SECONDS TO 180 SECONDS. PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

THIS DRAWING IS A CONTROLLED DOCUMENT		DATE		REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
10/21/08	AA	REV 22	11/01/08	AA	22
10/21/08	B	ECO-11-015765	11/01/08	B	ECO-11-015765
10/21/08	C	ECO-11-015765	11/01/08	C	ECO-11-015765



TE Connectivity

6605760-3  
 PART NUMBER

1X1 MAGNETIC MODULE JACK, THE SCHEMATIC, SHOWN IN THIS DOCUMENT IS FOR INFORMATION PURPOSES ONLY. THE ACTUAL PART MAY VARY FROM THE SCHEMATIC. CONTACT YOUR LOCAL SALES REPRESENTATIVE FOR MORE INFORMATION.

11/01/08  
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