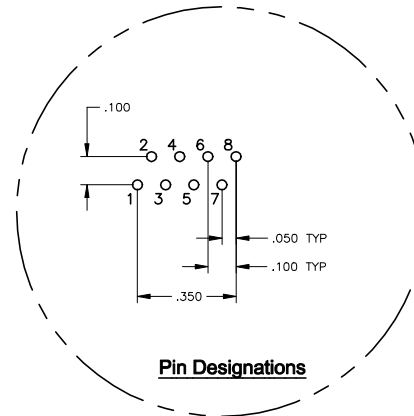
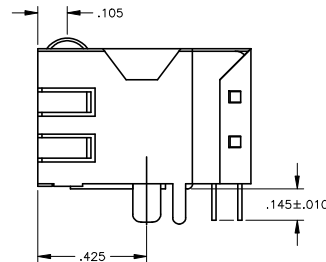
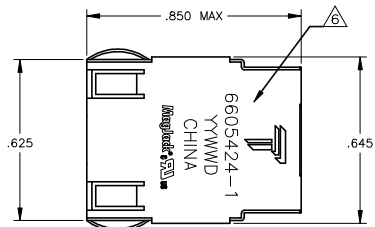
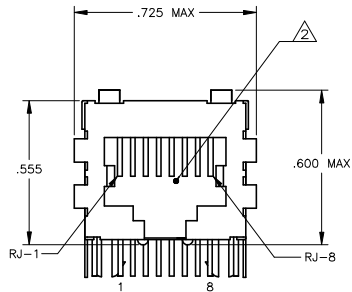


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

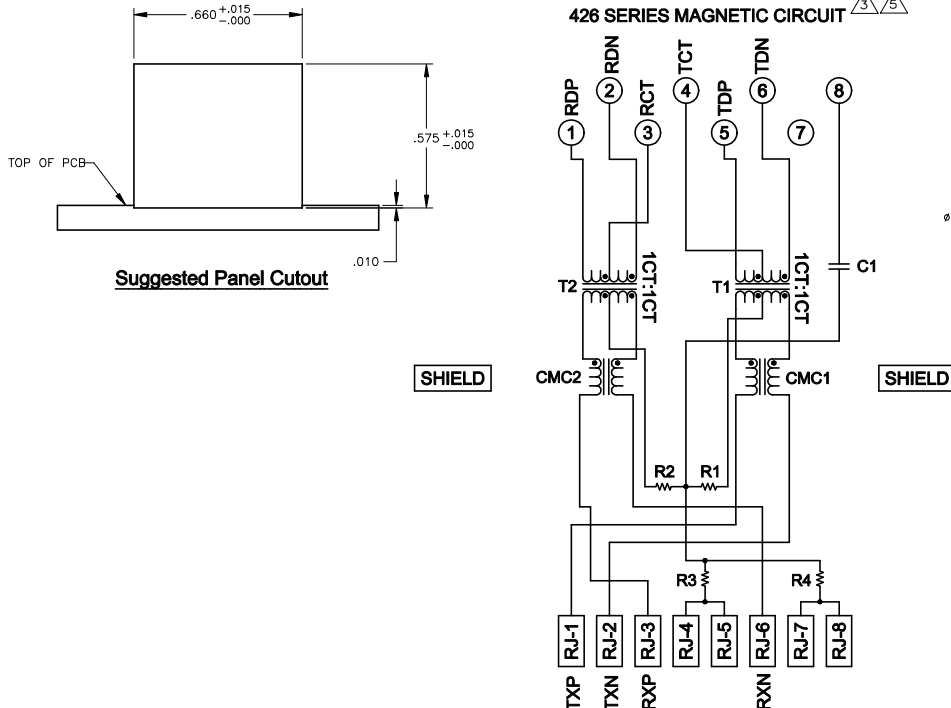
REVISIONS				
REV	DESCRIPTION	DATE	BY	APP
1	EC-1411035 COMPANY LOGO CHANGE	24DEC2014	ST	TL

MECHANICAL:



ELECTRICAL:

426 SERIES MAGNETIC CIRCUIT



C1 = 1000 pF, 2kV CAPACITOR

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

- 1 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.
SOLDERTAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.

- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.

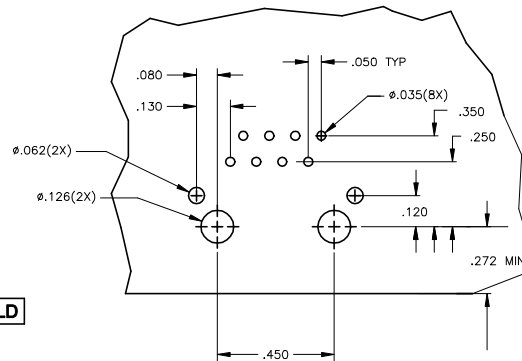
- △ MAGNETICS
- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP CABLE): TX = 1:1, RX = 1:1
- OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @ 100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, TX AND RX
- PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 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°C TO +70°C

- △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND SUPPORTS AUTO-MDI/MDIX.

- △ TRP CONNECTOR 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 SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.



Suggested PCB Layout
(Component Side)

6605424-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		REVISED BY: G. LATTADA-DOCKES		DATE: 24DEC2014	
DIMENSIONS: INCHES		DIMENSIONS: MILLIMETERS		DIMENSIONS: MILLIMETERS	
1.000		25.400		25.400	
0.005		0.127		0.127	
0.010		0.254		0.254	
0.020		0.508		0.508	
0.050		1.270		1.270	
0.100		2.540		2.540	
0.200		5.080		5.080	
0.500		12.700		12.700	
1.000		25.400		25.400	
2.000		50.800		50.800	
5.000		127.000		127.000	
10.000		254.000		254.000	
20.000		508.000		508.000	
50.000		1270.000		1270.000	
100.000		2540.000		2540.000	
250.000		6350.000		6350.000	
500.000		12700.000		12700.000	
1000.000		25400.000		25400.000	
2500.000		63500.000		63500.000	
5000.000		127000.000		127000.000	
10000.000		254000.000		254000.000	
25000.000		635000.000		635000.000	
50000.000		1270000.000		1270000.000	
100000.000		2540000.000		2540000.000	
250000.000		6350000.000		6350000.000	
500000.000		12700000.000		12700000.000	
1000000.000		25400000.000		25400000.000	
2500000.000		63500000.000		63500000.000	
5000000.000		127000000.000		127000000.000	
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