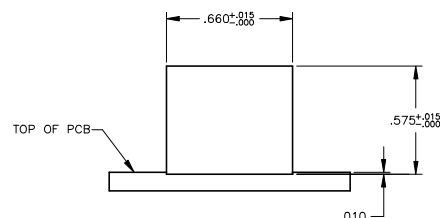
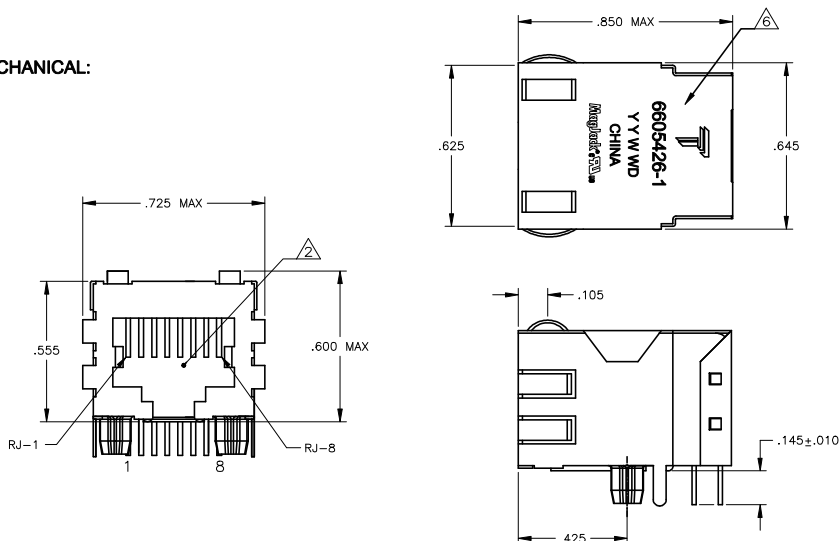


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

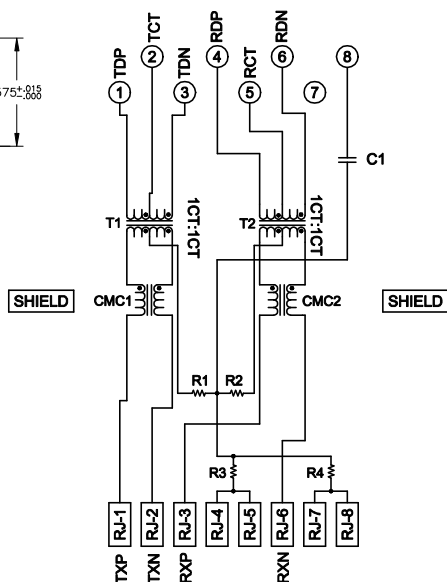
REVISIONS				
REV	DESCRIPTION	DATE	BY	APP
1	EC-1411035 COMPANY LOGO CHANGE	24DEC2014	ST	TL

MECHANICAL:



Suggested Panel Cutout

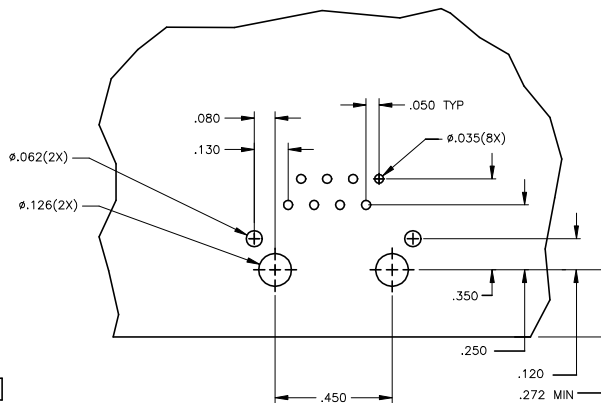
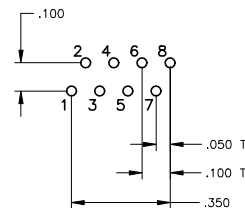
426P1 SERIES MAGNETIC CIRCUIT



C1 = 1000 pF, 2kV CAPACITOR

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

Pin Designations



**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 - .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 4.0MHz
33-20LOG(f/50)dB MIN FROM 4.0MHz 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.

- OPERATING TEMPERATURE: FROM 0° TO +70°C.

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

△ TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

- 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.

6605426-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		BY: G. ATTADIA OF: D. FARFALLE DATE: 10/10/10		DRAWN BY: D. FARFALLE CHECKED BY: D. FARFALLE DATE: 10/10/10	
DIMENSIONS: INCHES		DIMENSIONS: MILLIMETERS		DIMENSIONS: MILLIMETERS	
1.000		25.400		25.400	
0.001		0.025		0.025	
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	
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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	
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