

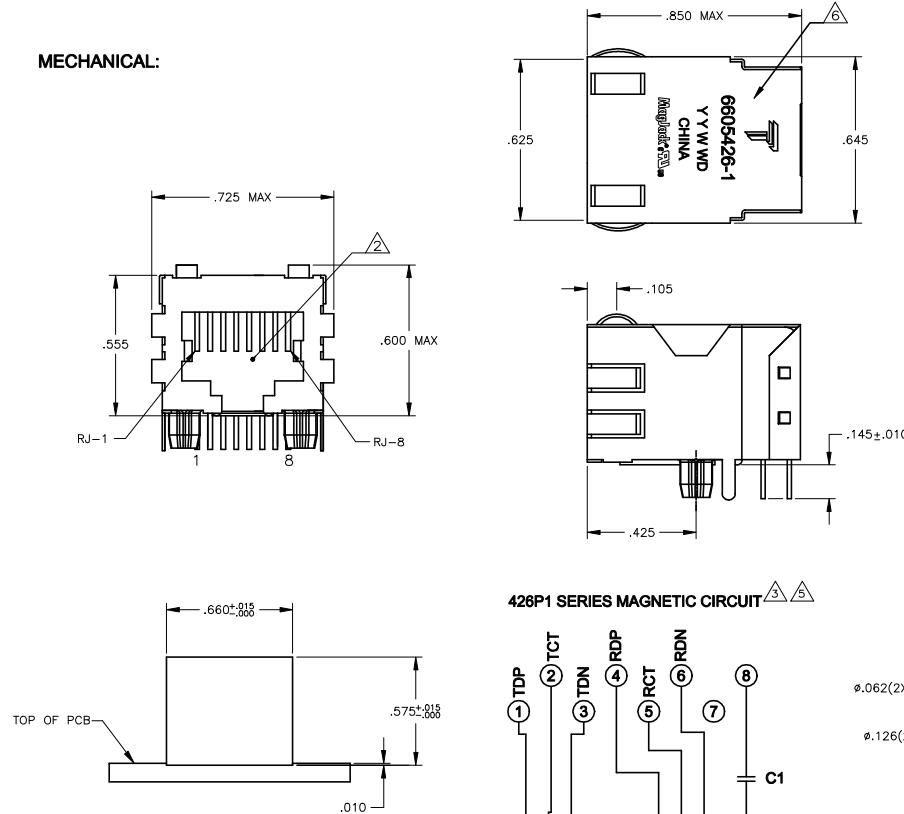
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5736910 5939955 6425781 6428361 6554638 6840817 7123117
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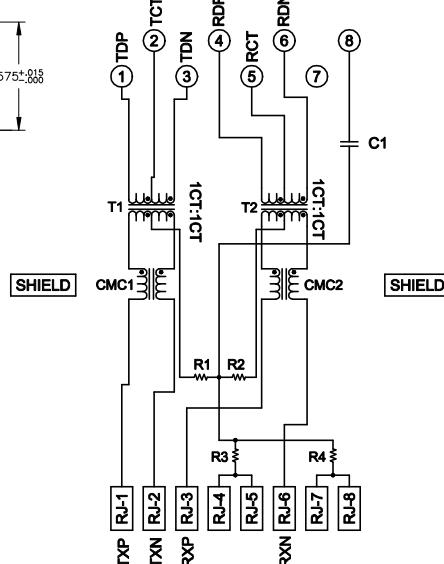
REVISIONS	
P	REV

G EC-1411035 COMPANY LOGO CHANGE 24DEC2014 ST TL

MECHANICAL:

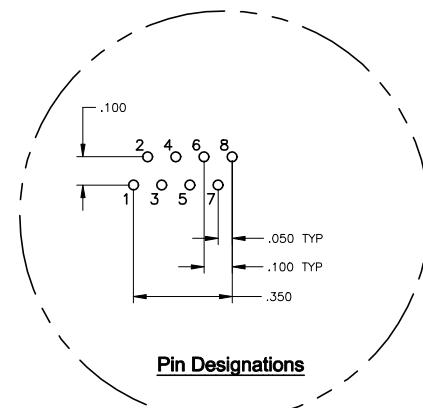


426P1 SERIES MAGNETIC CIRCUIT

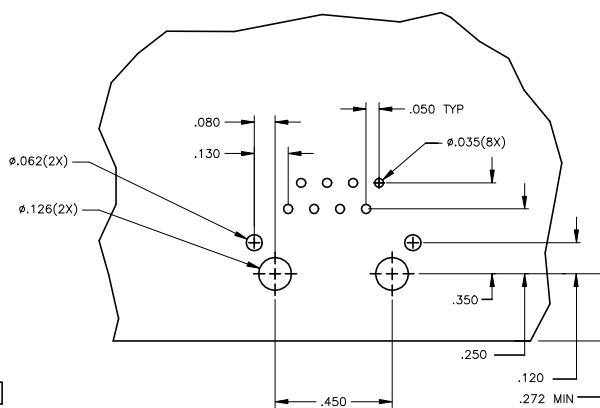


C1 = 1000 pF, 2kV CAPACITOR

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



Pin Designations



Suggested PCB Layout (Component Side)

1 MATERIALS:
HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30 μ INCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100 μ INCH MIN SAC SOLDER.
MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50 μ INCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50 μ INCH MIN HARD GOLD FINISH PLATE. SOLDERTAILS WITH 100 μ INCH MIN MATTE TIN AND/OR SAC SOLDER DIP.

△ RJ5 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.

△ MAGNETICS
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP CABLE): TX = 11, RX = 1:1
-OPEN CIRCUIT INDUCTANCE (OCL): 350 μ H MIN @100kHz, 0.1VRMS, 8mA 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
 18-20dB@f/30dB MIN FROM 30.1MHz TO 60MHz
 12dB MIN FROM 60.1MHz TO 80MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20 \times LOG(f/501dB 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 THEREFORE SUPPORT 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° TO 160°, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

THIS DRAWING IS A CONTROLLED DOCUMENT		REV G. ATTADA - DOCKS		DDONGUAN CHINA	
DIMENSIONS		TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVALS	
INCHES		MM		APPROVALS	
D PL2	—	—	—	D. FAROLE	1X1 426P1 10/100 TAB DOWN W/O LED
D PL3	—	—	—	D. FAROLE	MAGJACK
D PL4	—	—	—	—	SINGLE NON-POE
PRODUCT SPIC	180-2100	—	—	PRODUCT SPIC	A1 C-6605426
APPLICATION SPIC	—	—	—	APPLICATION SPIC	—
CUSTOMER DRAWING	—	—	—	CUSTOMER DRAWING	NTS
SCALE	1	MM	1	INCH	1
RESTRIC	—	—	—	RESTRIC	—

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