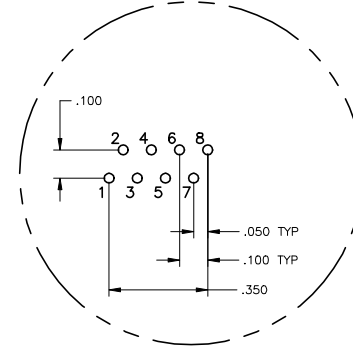
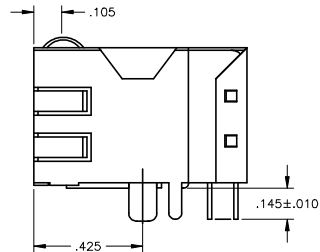
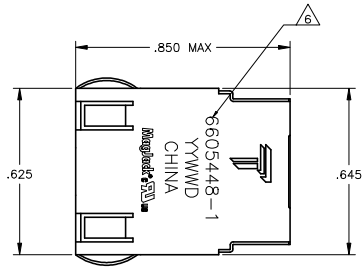
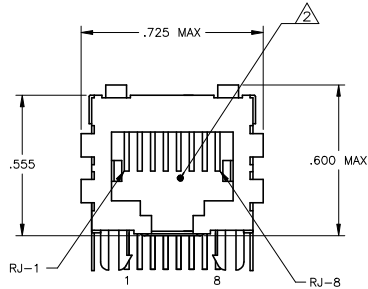


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS			
REV	DESCRIPTION	DATE	APP'D
F	EC-1411035 COMPANY LOGO CHANGE	28DEC2014	ST TL

MECHANICAL:



Pin Designations

- 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. 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 = 1:1, RX = 1:1
 -OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO +85°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
 18-20LOGf/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+LOGf/50dB 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.

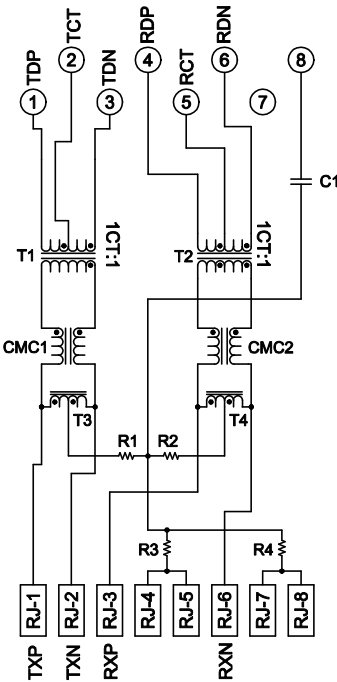
4. OPERATING TEMPERATURE: FROM -40°C TO +85°C.

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

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

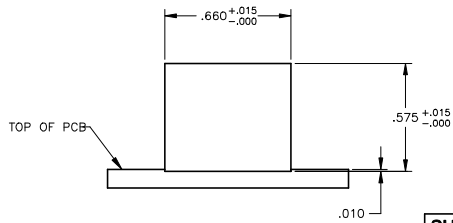
7. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.

415ETP1 SERIES MAGNETIC CIRCUIT

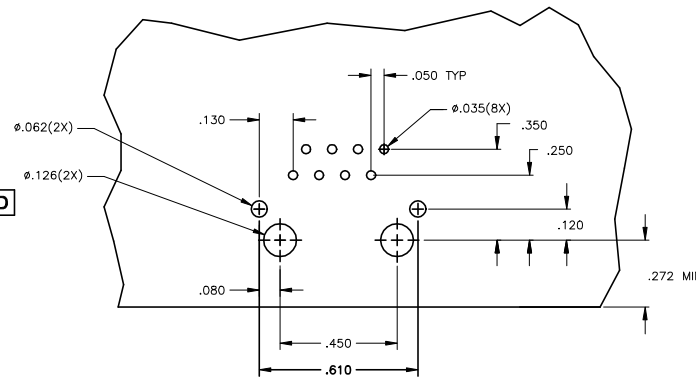


C1=1000pF,2kV CAPACITOR

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



Suggested Panel Cutout



Suggested PCB Layout (Component Side)

6605448-1
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		APPROVED BY: A. FERNANDEZ-DOCKES	DESIGNED BY: A. FERNANDEZ-DOCKES
DRAWN BY: D. FAROLE		CHECKED BY: D. FAROLE	DATE: 11/10/14
DIMENSIONS: INCHES		UNLESS OTHERWISE SPECIFIED	
1/16		1/32	
1/8		1/16	
3/16		1/8	
1/2		3/16	
1		3/8	
2		1/2	
3		5/8	
4		3/4	
5		7/8	
6		1	
7		1 1/8	
8		1 1/4	
9		1 1/2	
10		1 3/4	
11		2	
12		2 1/2	
13		3	
14		3 1/2	
15		4	
16		4 1/2	
17		5	
18		5 1/2	
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100		46 1/2	