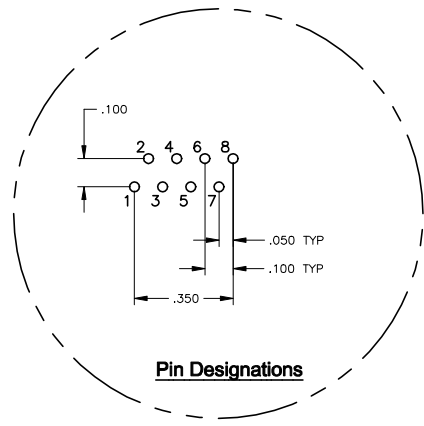
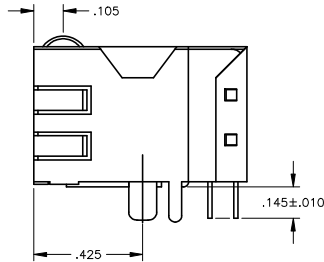
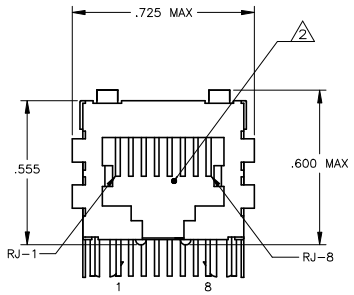
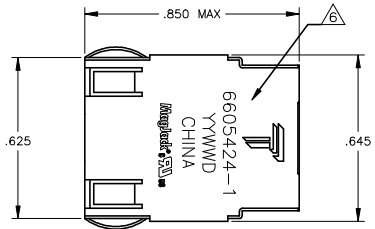


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 6217391 6149050 7924130

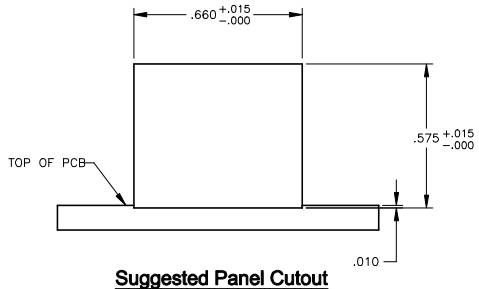
REVISIONS				
REV	DATE	DESCRIPTION	BY	APP'D
E	24DEC2014	COMPANY LOGO CHANGE	ST	TL

MECHANICAL:

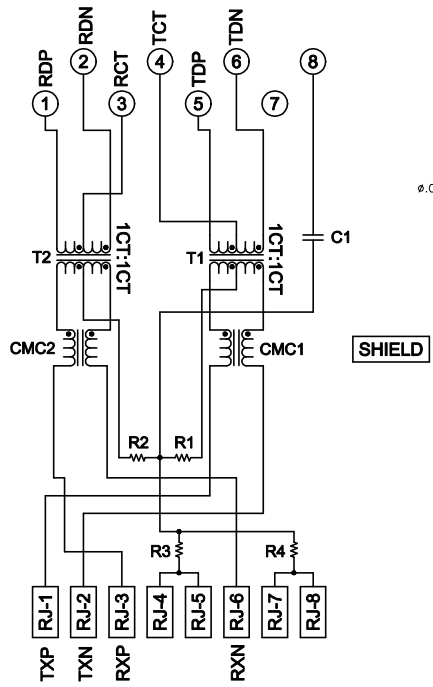


ELECTRICAL:

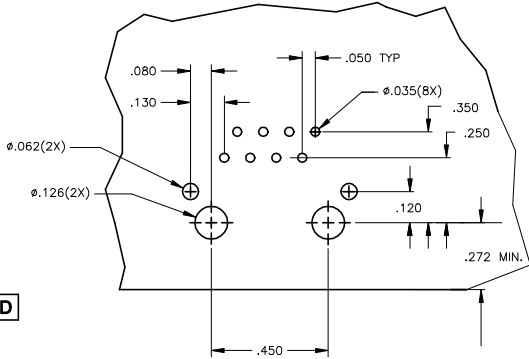
426 SERIES MAGNETIC CIRCUIT



SHIELD



SHIELD



**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 - 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 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
 18-20*LOG(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.
- 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.
- 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.

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

6605424-1
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT:		REV: GATTADA-D0063		DESIGNER:	
DIMENSIONS:		DIP		DIP	
INCHES:		DIP		DIP	
MAGNETIC:		MAGNETIC		MAGNETIC	
PRODUCT SPEC:		108-2100		CUSTOMER DRAWING	
SCALE:		1X1 426 10/100 TAB DOWN W/O LED		DATE: 24DEC2014	
DRAWING NO:		C-6605424		REV: 1	
RESTRICTED TO:		-		E	