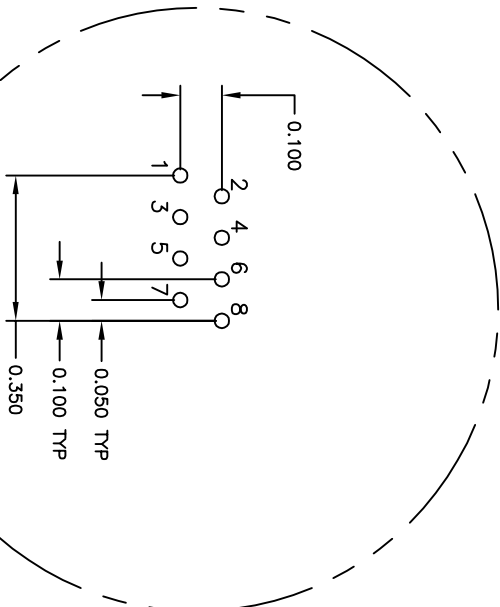
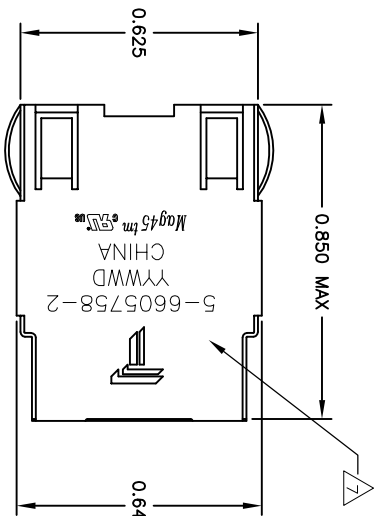
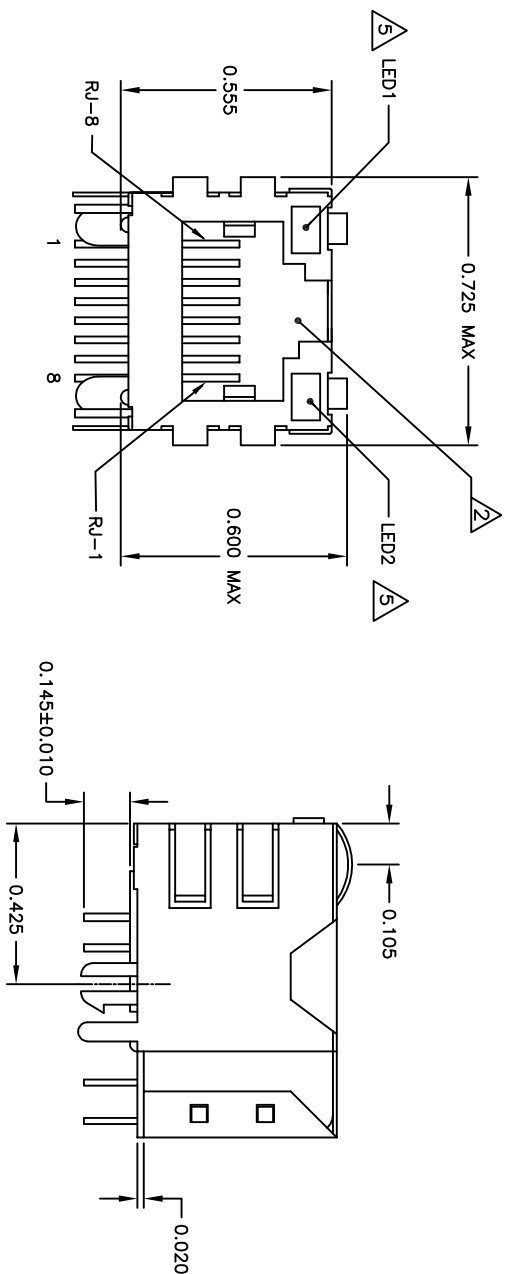


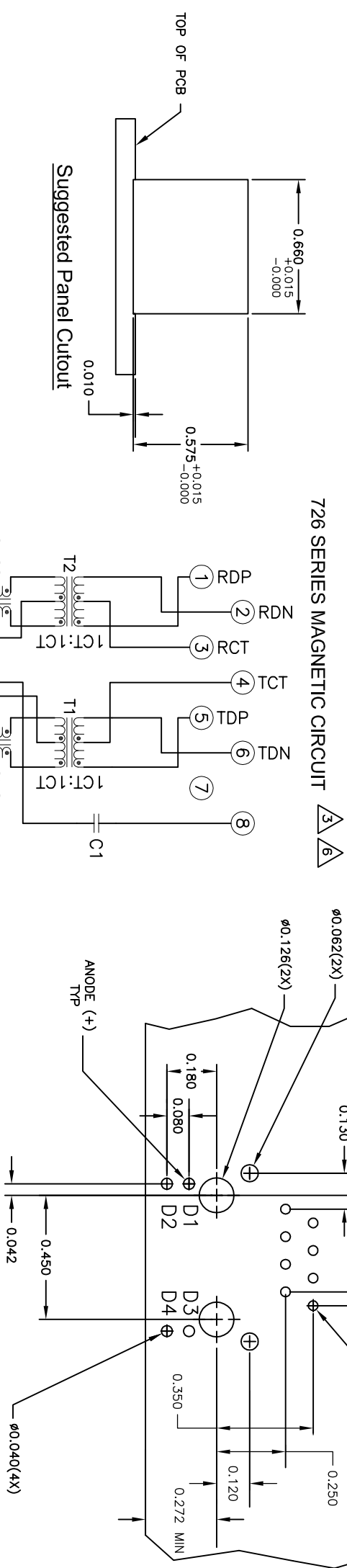
MECHANICAL:



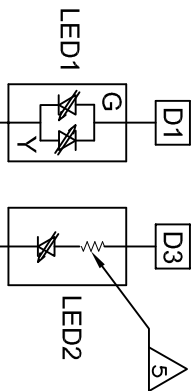
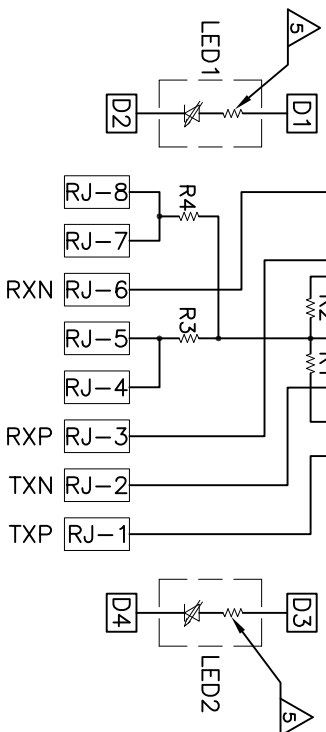
Pin Designations



726 SERIES MAGNETIC CIRCUIT



Suggested PCB Layout



2KV DECOUPLING CAPACITOR	LED1	250 OHMS RESISTOR 	LED2	250 OHMS RESISTOR 	PART NUMBER
YES	GREEN	YES	GREEN	YES	6-6605758-1
YES	YELLOW	NO	GREEN	NO	5-6605758-9
YES	GREEN	NO	YELLOW	NO	5-6605758-8
YES	GREEN	NO	GREEN	NO	5-6605758-7
YES	GREEN/YELLOW	YES	GREEN	YES	5-6605758-4
YES	YELLOW	YES	GREEN	YES	5-6605758-2
YES	GREEN	YES	YELLOW	YES	5-6605758-1
NO	GREEN	YES	GREEN	YES	1-6605758-1

1 MATERIALS

HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
-SHIELD .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TAPS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
-MID 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.
-LIGHT EMITTING DIODE(L) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREBOND LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE, POST-PLATED WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.

2 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): 350nH MIN @100kHz, 0.1VRRMS, 8mADC BIAS FROM 0°C TO 70°C, TX AND RX
- PERFORMANCE @ 25°C
- RETURN LOSS (RL): 11dB MAX FROM 0.5MHz TO 100MHz
- 18-20LOGf/30dB MIN FROM 30.1MHz TO 60MHz
- 12dB MIN FROM 60.1MHz TO 80MHz
- CROSS TALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 4.0MHz
- 33-20LOGf/50dB MIN FROM 4.0.1MHz 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 100V/SEC.

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

⚠ THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.

LED COLOR : DOMINANT WAVELENGTH (NM) : GREEN 568 nm TYP. at IF=20mA
 FORWARD VOLTAGE (VF) : GREEN 2.2V TYP. at IF=20mA
 DOMINANT WAVELENGTH (NM) : YELLOW 588 nm TYP. at IF=20mA
 FORWARD VOLTAGE (VF) : YELLOW 2.1V TYP. at IF=20mA.
 IF THE LED WITH 250 OHM RESISTORS,LED IS DRIVEN WITH 5V VOLTAGE AND THE
 MAX OPERATING CURRENT IS 20mA.
 LED COLOR : DOMINANT WAVELENGTH (NM) : GREEN 568 nm TYP. at VF=5V
 FORWARD CURRENT (IF) : GREEN 12 mA TYP. at VF=5V
 DOMINANT WAVELENGTH (NM) : YELLOW 588 nm TYP. at VF=5V

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

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

8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.