

## Excellent Integrated System Limited

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[Bel Fuse Inc.](#)  
[5-6605763-7](#)

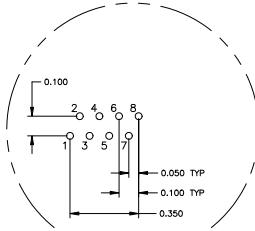
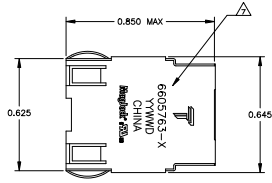
For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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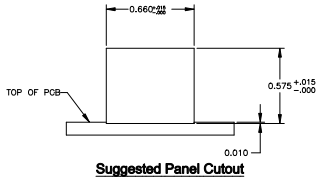
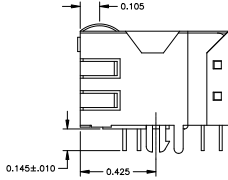
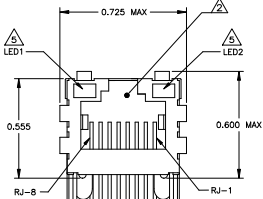
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
 6736910-5939966-6426781-6428361-6564638-6840817-7123117  
 7429195-7717749-7808751-6217391-6149050-7924130

REV	DESCRIPTION	DATE	BY	APP
E	EC-1411535 COMPANY LOGO CHANGE	04/20/2016	HY	KZ

**MECHANICAL:**

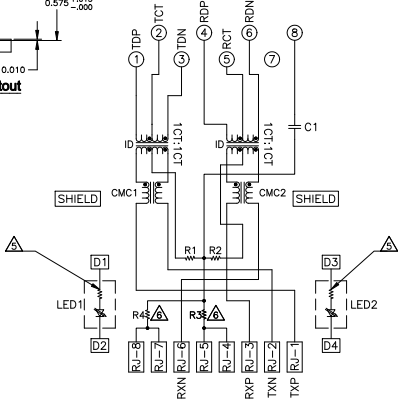


**Pin Designations**

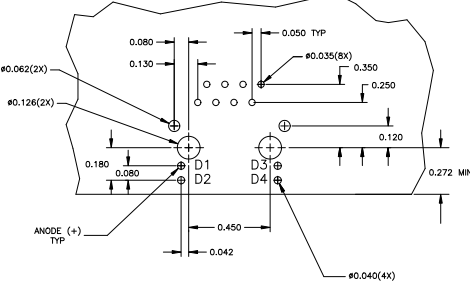


**Suggested Panel Cutout**

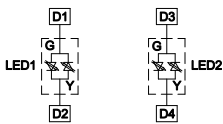
**726P1 SERIES MAGNETIC CIRCUIT**



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



**Suggested PCB Layout (Component Side)**



**LED CONFIGURATION FOR 5-6605763-6 ONLY**

- △ **MATERIALS:**
  - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
  - SHIELD - .015" THICK (2486) BRASS PREPLATED WITH 50µINCH 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
  - LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREFRAME 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
- △ **RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.**
- △ **MAGNETICS**
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP CABLE): TX = 51, RX = 11
  - OPEN CIRCUIT INDUCTANCE (OCIL): 350nH MIN @ 100MHz, 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)/30dB MIN FROM 30MHz TO 60MHz
    - 12dB MIN FROM 60MHz TO 80MHz
    - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
    - 33-20LOG(f)/50dB 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.
- 4. OPERATING TEMPERATURE FROM 0°C - +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 (λD): GREEN 568 nm TYP @ IF=20mA  
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20mA  
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ 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 (λD): GREEN 568 nm TYP @ VF=5V  
 FORWARD CURRENT (IF): GREEN 12 mA TYP @ VF=5V  
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V  
 FORWARD CURRENT (IF): YELLOW 13 mA TYP @ VF=5V
- △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND THEREFORE ARE AUTO-IND/MODX CAPABLE.
- △ 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, PREHEAT TEMPERATURE IS 120°C TO 160°C, 100 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 240°C MAX, 10 SECONDS MAX.

GREEN	NO	GREEN	NO	5-6605763-7
GREEN/YELLOW	NO	GREEN/YELLOW	NO	5-6605763-6
OBsolete	YES	GREEN	YES	5-6605763-1
LED1	250 OHMS RESISTOR	LED2	250 OHMS RESISTOR	PART NUMBER

REVISIONS	DATE	BY	APP	DESCRIPTION
1	10/10/10	HY	KZ	1X1 726P1 10/100 TAB UP W/ LED

5-6605763	REV A	DATE	10/10/10	BY	HY	APP	KZ
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