



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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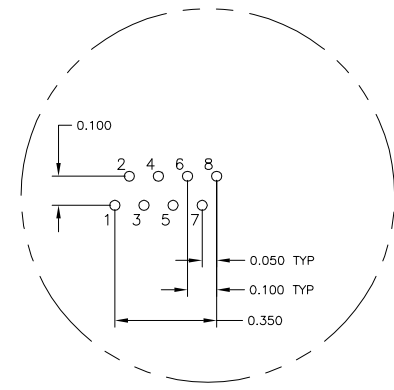
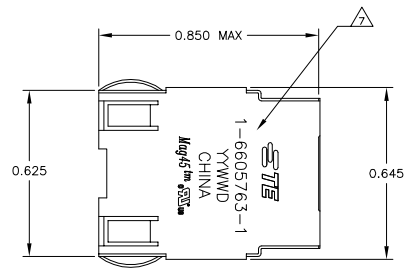
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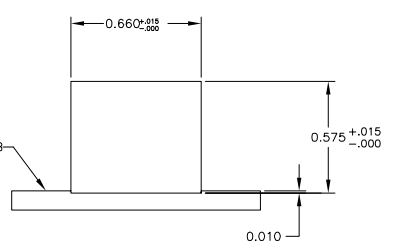
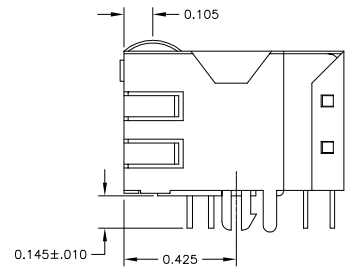
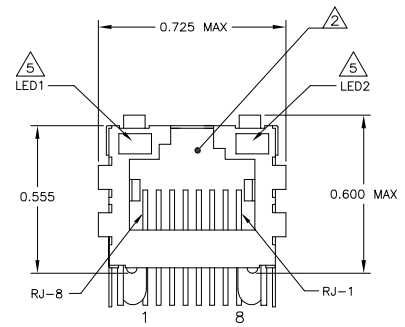


LOC	DATE	REVISIONS
AA	22	
B		REV PER ECO-08-026213
C		ECO-11-015766

MECHANICAL:

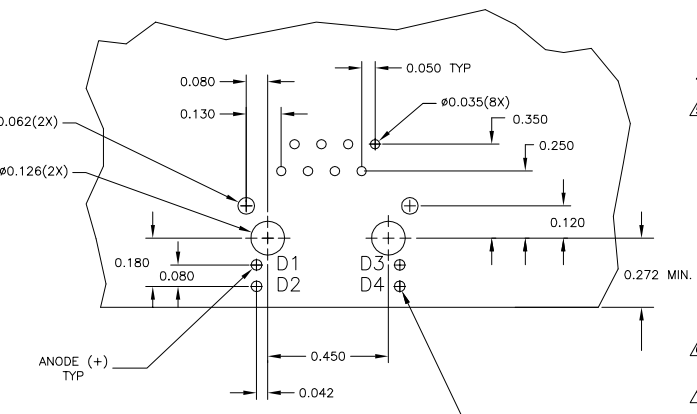
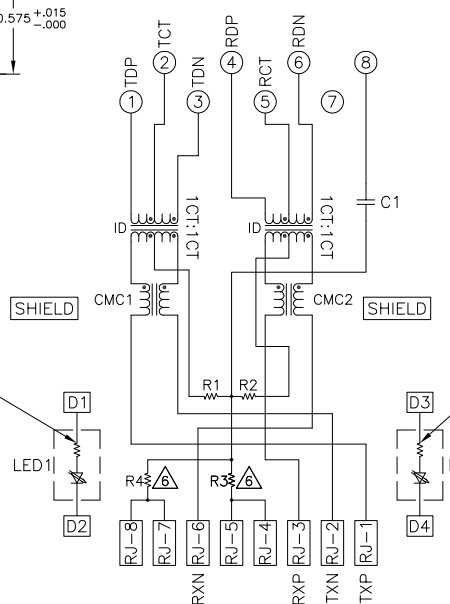


Pin Designations

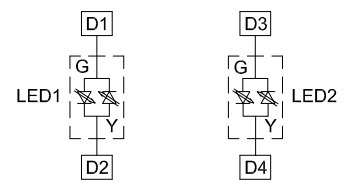


Suggested Panel Cutout

726P1 SERIES MAGNETIC CIRCUIT



Suggested PCB Layout (Component Side)



LED CONFIGURATION FOR 5-6605763-6 ONLY

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

- 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.
  - 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 = 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
  - 18-20LOG(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.
- 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 (AD): GREEN 568 nm TYP @ IF=20mA**  
**FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20mA**  
**DOMINANT WAVELENGTH (AD): 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 (AD): GREEN 568 nm TYP @ VF=5V**  
**FORWARD CURRENT (IF): GREEN 12 mA TYP @ VF=5V**  
**DOMINANT WAVELENGTH (AD): 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-MDI/MDIX CAPABLE.**
- TE CONNECTIVITY 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, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.**

GREEN	NO	GREEN	NO	5-6605763-7
GREEN/YELLOW	NO	GREEN/YELLOW	NO	5-6605763-6
GREEN	YES	GREEN	YES	1-6605763-1

THIS DRAWING IS A CONTROLLED DOCUMENT. **STE** TE Connectivity

DESIGNED BY: J. VARELA	DATE: 04SEP2008	REV: RQ
CHKD BY: D. FAROLE	DATE: 30MAY2011	REV: LR
APP'D BY: D. FAROLE		
PRODUCT SPEC: 108-2100		
APPLICATION SPEC: 108-2100		

1X1 MAG45(TM), 726P1 SCHEMATIC, 726 SERIES CIRCUIT, SHIELDED, DECOUPLING CAPACITOR, WITH LEDs

SIZE: A1    QAGE CODE: C=6605763    DRAWING NO: 00779    SCALE: NTS    SHEET: 1 of 1    REV: C

CUSTOMER DRAWING