



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

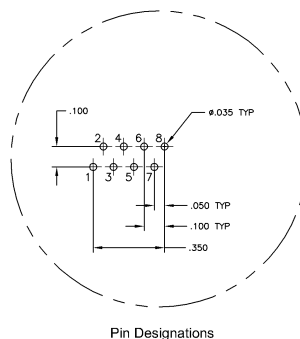
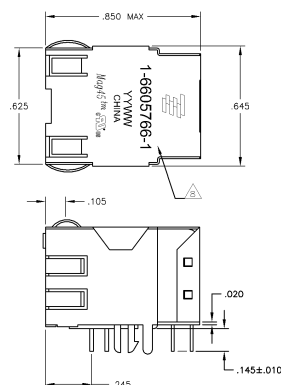
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MATERIALS



Pin Designations

-HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 -SHIELD - 010" THICK, (26800 GRAIN PRELATE WITH 30/100 INCH MIN SEMI-BRIGHT
 NICKEL, SOLDER TABS POST DIPPED WITH 100 INCH MIN SOLDER
 -MOD JACK CONTACTS - 0.053" x 0.018" PHOSPHOR BRONZE, 50 INCH MIN OVERALL
 NICKEL UNDERPLATE, WITH SELECT 50 INCH MIN HARD GOLD FINISH PLATE
 SOLDER TABS WITH 100 INCH MIN MATTE TIN AND/OR SOLDER DIP
 -LIGHT EMITTING DIODE(-) - DIFFUSED EPOXY SILVER, 020" x 020" CARBON STEEL
 WIREFRAME LEADS PRE-PLATED WITH 80 INCH SILVER OVER 40 INCH NICKEL
 UNDERPLATE OVER 40 INCH COPPER UNDERPLATE, POST-PLATED WITH
 100 INCH MIN MATTE TIN AND/OR 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 IV RMS, 8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
- PERFORMANCE @ 25°C

INSERTION LOSS (IL): 11dB 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 4.0MHz
 33-20*LOG(f/50)dB MIN FROM 4.01MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 -ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1, ITEM b

4 C1 IS AN OPTIONAL. IF NOT CAPACITOR, TRACE IS CONTINUOUS

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

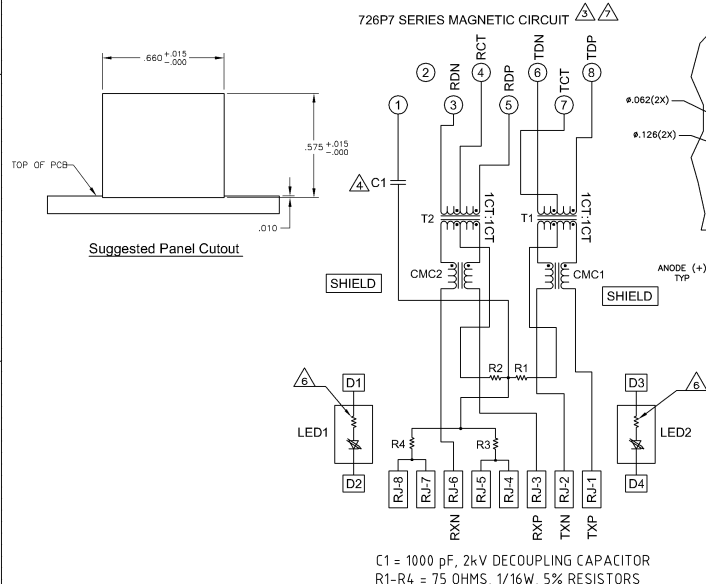
△ THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
LED COLOR: DOMINANT WAVELENGTH (nm): GREEN 568 nm TYP. @ IF=20mA

FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ If=20mA
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ If=20mA
 FORWARD VOLTAGE (VF): YELLOW 2.4V TYP. @ If=20mA
 DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. @ If=20mA
 FORWARD VOLTAGE (VF): ORANGE 2.05V TYP. @ If=20mA
 IF THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE
 MAX. CURRENT (IF) 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 TO SUPPORT AUTO-MDI/MDIX.

 TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN

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



Suggested PCB Layout
(COMPONENT SIDE)

NO	YES	YELLOW	GREEN	5-6605766-9
YES	YES	GREEN	GREEN	5-6605766-1
YES	NO	GREEN	GREEN	1-6605766-1
LED RESISTOR	DECOUPLING CAPACITOR	LED1	LED2	PART NUMBER

[illegible]