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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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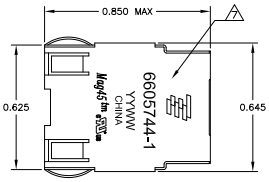
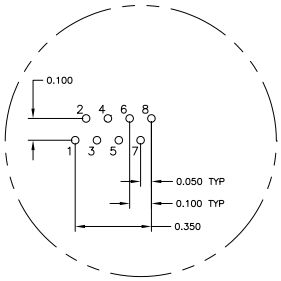
UOC	DIST
AA	22

REVISIONS

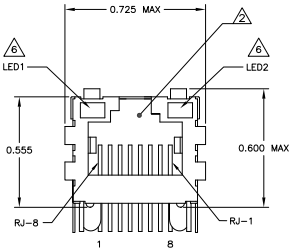
P	LTR	DESCRIPTION	DATE	DRN	APVD
	B	REV PER ECO-08-031931	10DEC2008	VL	LR
	B1	REVISED PER ECO-09-024927	10NOV09	KK	AEG

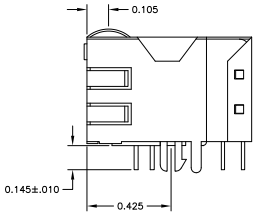
MECHANICAL:

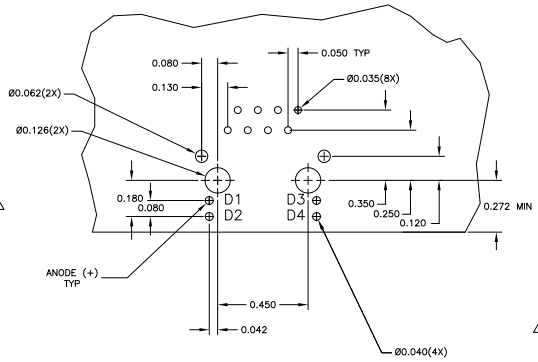




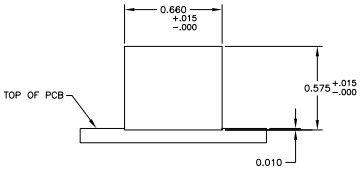
Pin Designations





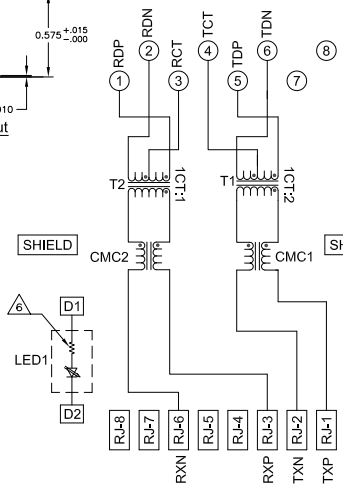


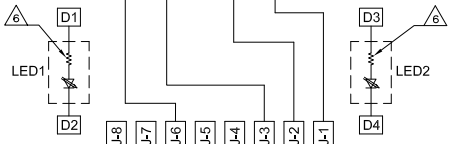
Suggested PCB Layout
(Component Side)



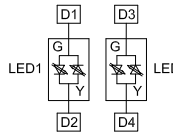
Suggested Panel Cutout

720 SERIES MAGNETIC CIRCUIT 3 5





LED CONFIGURATION
FOR 6605744-5 ONLY



LED CONFIGURATION
FOR 6605744-6 ONLY

1. 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.
SOLDERTAILS 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.

2. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.

3. MAGNETICS
-APPLICATION: 10 BASE-T
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP:CABLE): TX = 1:2 RX = 1:1
-TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL): 14.0µH MIN @ 100kHz, 0.1VRMS
-LEAKAGE INDUCTANCE (LL): 0.40µH MAX @ 100kHz, 0.1VRMS
-INTERWINDING CAPACITANCE (CWW): 12pF MAX @ 100kHz, 0.1VRMS
-ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 15.3.4, ITEM b.

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

5. INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION.

6. THE 250 OHM RESISTOR IS OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS.
IF LEDS WITHOUT 250 OHM RESISTOR, LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ IF=20 mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20 mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20 mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA
IF LEDS WITH BUILT-IN RESISTOR, LEDS ARE 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 12mA TYP @ VF=5V
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V
FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF=5V

7. TYCO ELECTRONICS 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 WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

9. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

OBSOLETE 9	GREEN	YES	GREEN	YES	~~1-6605744-1~~
	GREEN	NO	YELLOW	NO	~~6605744-8~~
	GREEN/YELLOW	NO	GREEN/YELLOW	NO	6605744-6
OBSOLETE 9	GREEN/YELLOW	NO	GREEN	NO	~~6605744-5~~
	GREEN	YES	YELLOW	YES	6605744-1
	LED1	250 OHM RESISTORS 6	LED2	250 OHM RESISTORS 6	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DRN: G. ATTADIA - DOCKET 108-2100 — DATE: 10MAR08
APVD: D. FAROLE — DATE: 10MAR08
PRODUCT SPEC: 108-2100
APPLICATION SPEC: –
WEIGHT: –
FINISH: 3

DIMENSIONS: INCHES
TOLERANCE UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± .1
2 PLC ± .02
3 PLC ± .005
4 PLC ± .0
ANGLES ± –
MATERIAL 3

Tyco Electronics Corporation
ChangPing, China

NAME: 1X1 MAG45(TM), 7N3 SCHEMATIC, 720 SERIES CIRCUIT, SHIELDED, NO DECOUPLING CAPACITOR, WITH LEDS

SIZE: A1 | CAGE CODE: 00779 | DRAWING NO: C-6605744 | RESTRICTED TO: –

CUSTOMER DRAWING | SCALE: NTS | SHEET 1 OF 1 | REV B1