



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!



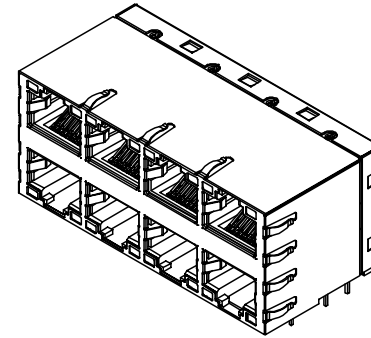
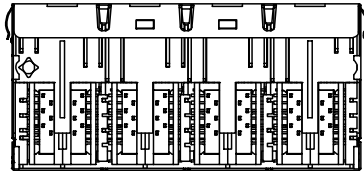
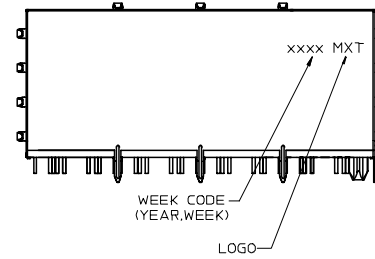
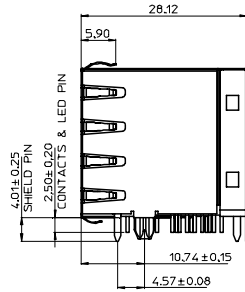
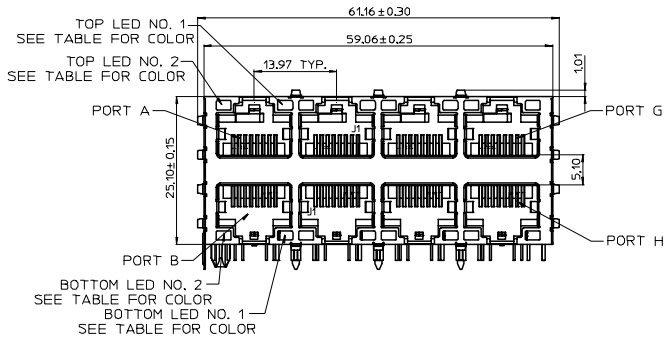
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





- NOTES:
- MATERIAL:
 - PLASTIC HOUSING: POLYAMIDE, GLASS FIBER FILLED, UL94V-0, COLOR: BLACK
 - SHIELD: BRASS
 - BACK SHIELD: BRASS
 - CONTACTS: PHOSPHOR BRONZE
 - LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME
 - PLATING:
 - SHIELD: SOLDER TAIL: TIN(Sn), THICKNESS=100 MICRONCH MINIMUM UNDER PLATE: NICKEL(Ni) PLATED (SOLDERING AVAILABLE) OVERALL.
 - TERMINAL CONTACT AREA: GOLD(Au), THICKNESS=50 MICRONCH/1.27 MICROMETER SOLDER TAIL: TIN(Sn), THICKNESS=100 MICRONCH MINIMUM UNDER PLATE: NICKEL(Ni) PLATED OVERALL.
 - LED: TIN/SILVER/NICKEL/COPPER PLATING
 - MAGNETICS:
 - IMPEDANCE: 100 OHMS
 - TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL): 350uH (MIN) @ 100KHZ, 0.1 VRMS WITH 8 mA DC BIAS
 - TURNS RATIO (CHIP: CABLE): TX: 1, RX: 1:1
 - PERFORMANCE:
 - TRANSMIT BIDIRECTIONAL J3 AND J6
 - RECEIVE BIDIRECTIONAL J1 AND J2

LED ELECTRICAL SPECIFICATION

PARAMETER	YELLOW (TYP.)	GREEN (TYP.)	UNITS	TEST CONDITIONS
POWER DISSIPATION	100	100	mW	
REVERSE VOLTAGE	5	5	V	
PEAK WAVELENGTH	585	565	nm	IF=20mA
FORWARD VOLTAGE	2.1 MAX.=2.5	2.1 MAX.=2.5	V	IF=20mA

FREQUENCY	INSERTION LOSS	RETURN LOSS	CROSSTALK ATTENUATION	COMMON MODE REJECTION RATIO TX	RX
1.0MHZ-15.0MHZ	0.3dB(MAX)	18.0dB(MIN)	35.0dB(MIN)	46.0dB(MIN)	35.0dB(MIN)
15.1MHZ-60.0MHZ	0.6dB(MAX)	16.0dB(MIN)	26.0dB(MIN)	46.0dB(MIN)	35.0dB(MIN)
60.1MHZ-80.0MHZ	1.1dB(MAX)	15.0dB(MIN)	24.0dB(MIN)	42.0dB(MIN)	33.0dB(MIN)
80.1MHZ-100.0MHZ	1.1dB(MAX)	12.0dB(MIN)	24.0dB(MIN)	42.0dB(MIN)	33.0dB(MIN)

- DIELECTRIC (ISOLATION VOLTAGE): 2250 VDC (1mA CUTOFF CURRENT) FOR 60 SECONDS DURATION WITH DECOUPLING CAP
- ALL BRIDGED ON EITHER SIDE OF MAGNETICS PACKAGE FOR RJ-45 CONTACT
- RECOMMENDED PCB THICKNESS 2.00mm(.079")
- SUGGESTED OPERATING CURRENT FOR THE LED IS 20mA
- PRODUCT SPECIFICATION REFER TO PS-48033-002
- TEST SUMMARY REFER TO TS-48033-004
- PACKAGING SPECIFICATION REFER TO PK-48033-004
- LEAD FREE AND ROHS COMPLIANT PRODUCT

ROHS FOR 48033-2000
 EC NO: SH2007-0131
 DRWN: ALLIN 2006/10/04
 CHKD: 2006/10/04
 APPR: WMSCHANG 2006/10/04

QUALITY SYMBOLS

 DESCRIPTION
 REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3°		

DRAFT WHERE APPLICABLE
 MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
 MM ONLY

DRAWN BY DATE
 LINDA 2006/08/08

CHECKED BY DATE
 ALLEN LIN 2006/08/10

APPROVED BY DATE
 ERICK LAN 2006/08/10

MATERIAL NO.
 48033-2900

SIZE
 A3

SCALE
 DESIGN UNITS
 METRIC

THIRD ANGLE PROJECTION

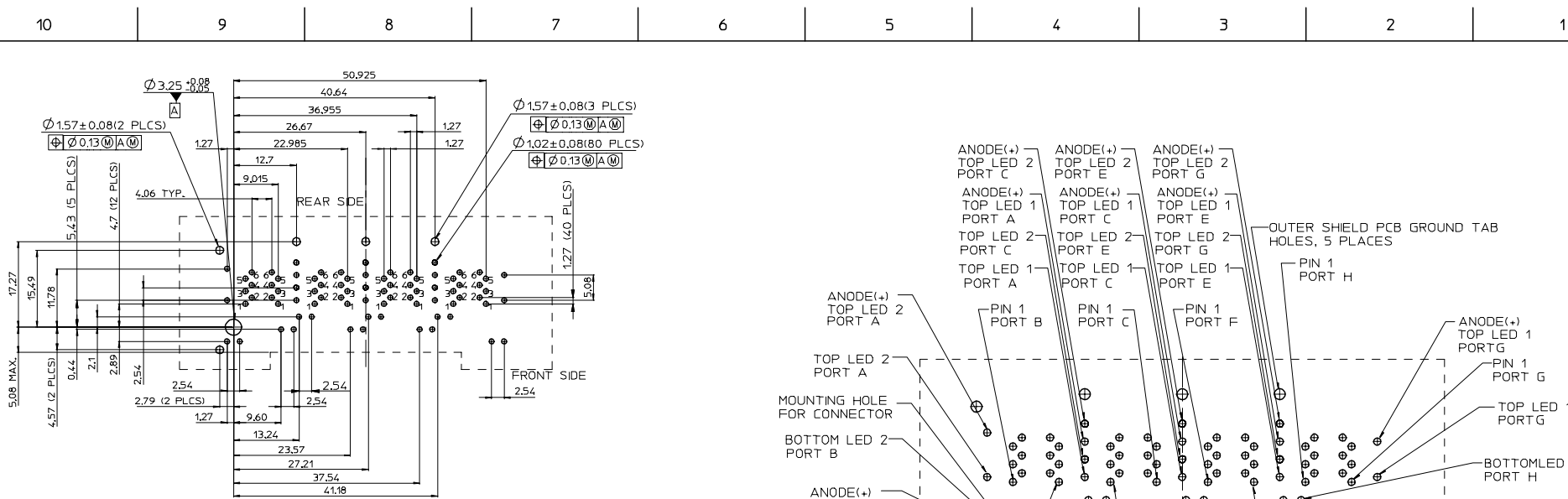
TITLE
 MODULAR JACK STACKED 2X4
 RA, 10/100 ETHERNET
 W/ LEDS, MAGNETICS

MOLEX INCORPORATED

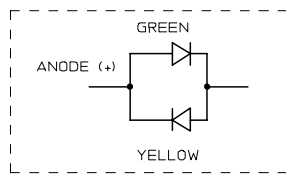
DOCUMENT NO.
 SD-48033-004

SHEET NO.
 1 OF 2

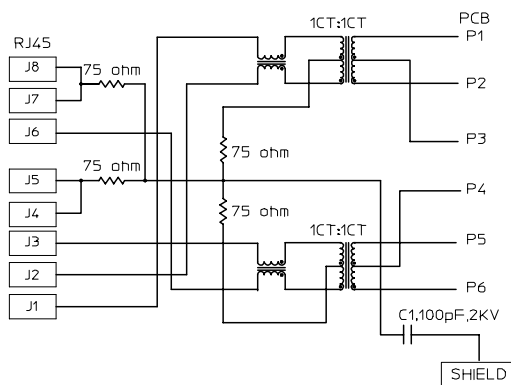
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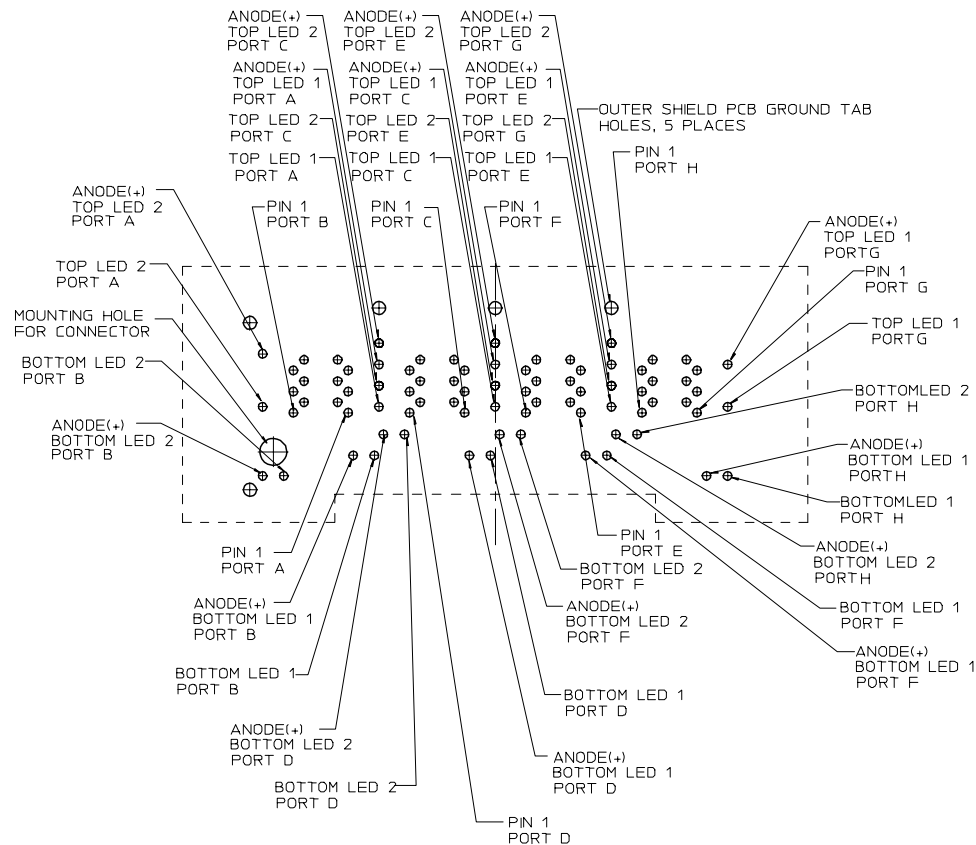
RECOMMENDED PC BOARD LAYOUT
(VIEWED FRONT COMPONENT SIDE)



BI-COLOR LED



MAGNETIC SCHEMATIC



RECOMMENDED LED HOLE DESIGNATIONS
(VIEWED FROM COMPONENT SIDE)

SEE SHEET 1 EC NO: SH2007-0131 DRWN: ALLIN CHKD: APPR: WWSCHANG	QUALITY SYMBOLS ▽=0 ◁=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
REV	DESCRIPTION	4 PLACES	± ---	± ---	DRAWN BY LINDA	DATE 2006/08/08	TITLE MODULAR JACK STACKED 2X4 RA, 10/100 ETHERNET W/ LEDS, MAGNETICS		
		3 PLACES	± ---	± ---	CHECKED BY ALLEN LIN	DATE 2006/08/10			
		2 PLACES	± 0.25	± ---	APPROVED BY ERICK LAN	DATE 2006/08/10	MOLEX INCORPORATED		
		1 PLACE	± 0.25	± ---	MATERIAL NO. 48033-2900	DOCUMENT NO. SD-48033-004			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			