



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

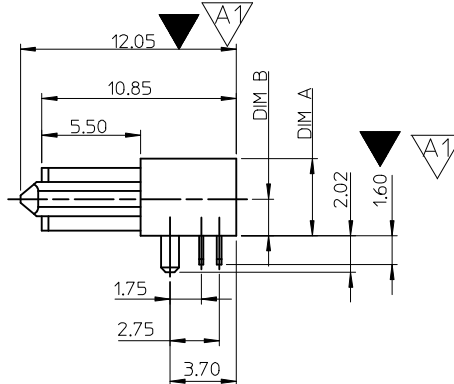
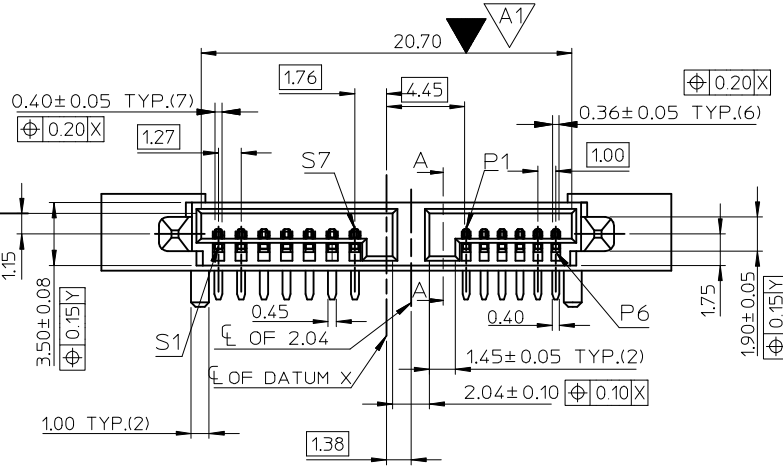
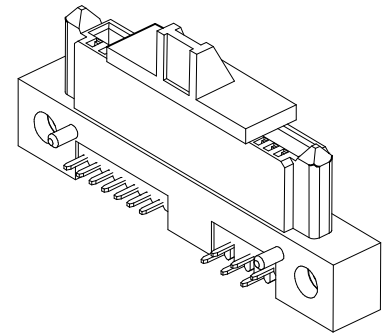
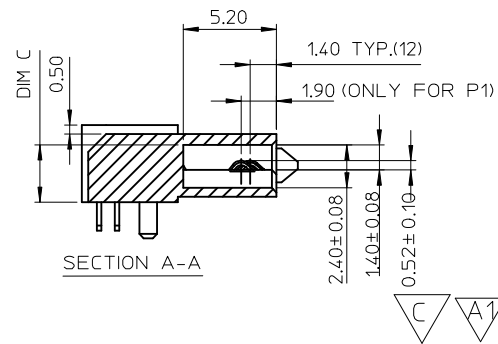
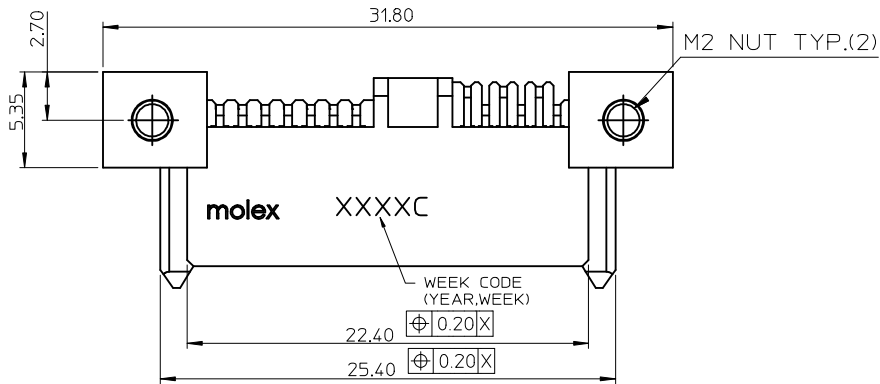
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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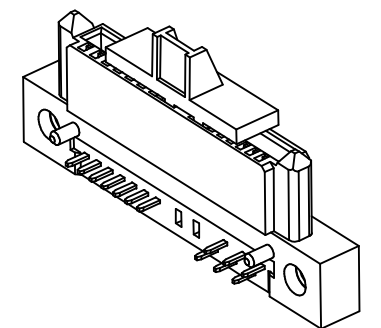
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



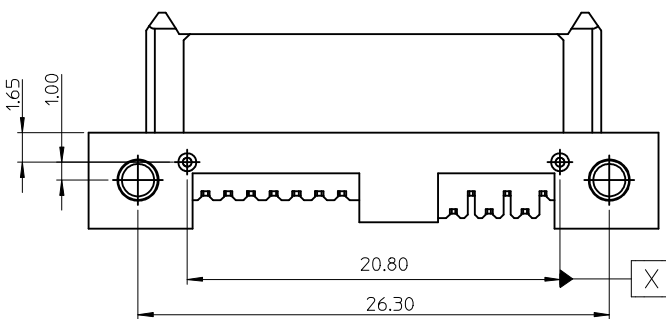
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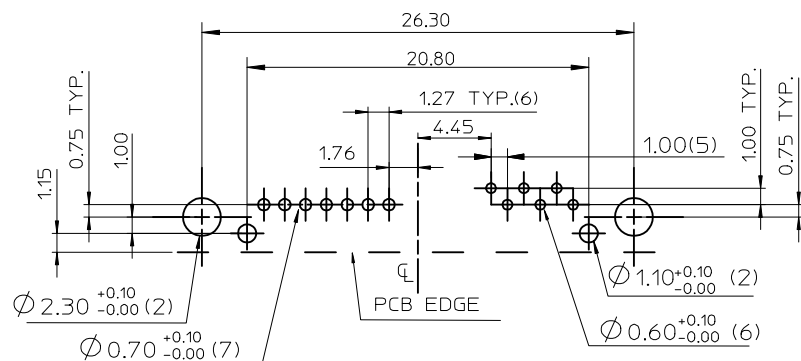
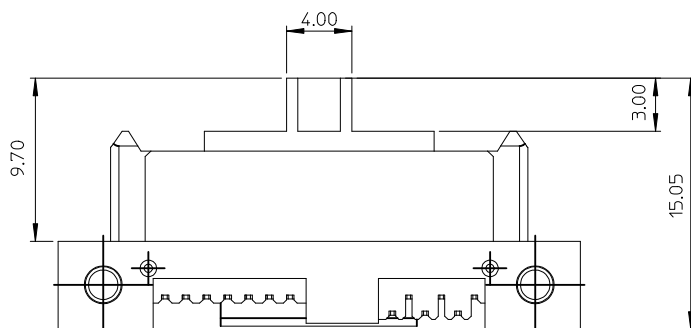
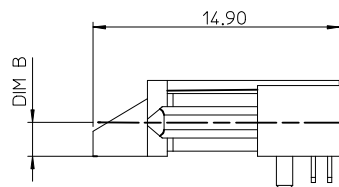
WITHOUT ALIGNMENT
(48321-2XXX)



WITH ALIGNMENT
(48321-1XXX)



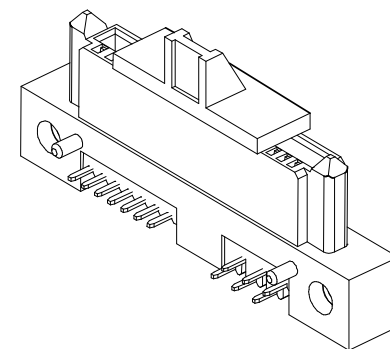
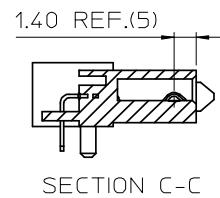
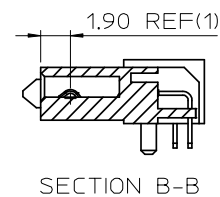
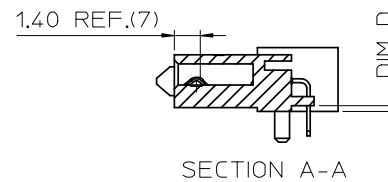
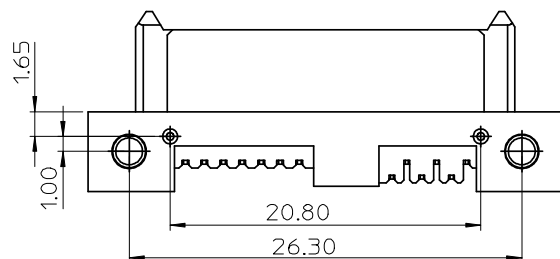
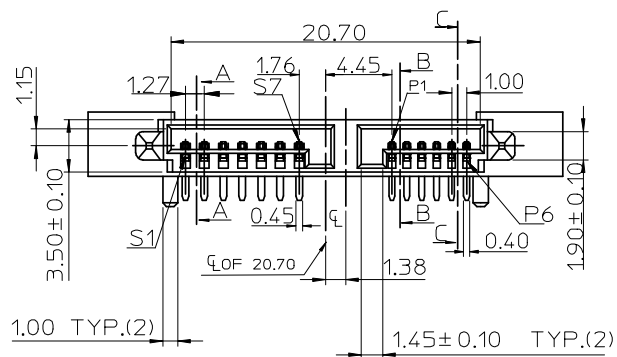
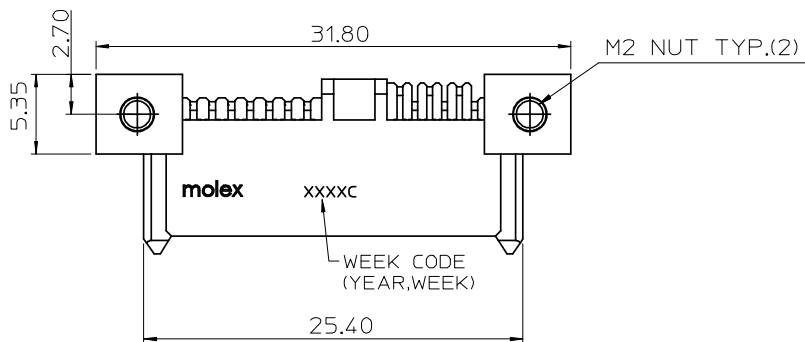
SUPPLIER	ACRON	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
REVISION	EC NO: SH2009-0089	DRWN:LIU10	mm	MM ONLY	1:1	METRIC	
REV	CHKD:YLZHU	APPR:HWANG	INCH	DRAWN BY	DATE	TITLE	
	2008/09/29		4 PLACES ± --- ± ---	LINDA	2007/12/13	SLIMLINE SATA RECEPTACLE	
			3 PLACES ± --- ± ---	CHECKED BY	DATE	STANDARD DIP WITH NUT	
			2 PLACES ± 0.15 ± ---	ALLEN LIN	2007/12/17		
			1 PLACE ± 0.15 ± ---	APPROVED BY	DATE		
			ANGULAR ± 2 °	EICK LAN	2007/12/17		
			DRAFT WHERE APPLICABLE	MATERIAL NO.			
			MUST REMAIN	SEE TABLE			
			WITHIN DIMENSIONS	SIZE			
				A3			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



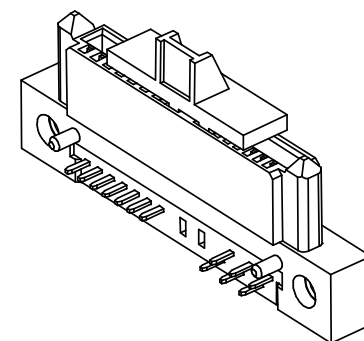
P/N	PLATING OPTIONS	DIM A	DIM B	DIM C	DIM D	DIM E	PIN ALIGNMENT	WITHSTANDING MFG TEST	ACRON P/N
48321-1000	GOLD FLASH	3.50	1.25	2.40	3.80	0.35	YES	NO	SAT01-A3-R0000
48321-1001	15 MICROINCH							NO	SAT01-A3-R0020
48321-1002	30 MICROINCH							YES	SAT01-A3-R0030
48321-2000	GOLD FLASH	4.25	2.00	3.15	4.55	0.40	NO	NO	SAT01-A3-R0101
48321-2001	15 MICROINCH							NO	SAT01-A3-R0121
48321-2002	30 MICROINCH							YES	SAT01-A3-R0131

9. LEAD FREE & RoHS COMPLIANT PRODUCT.

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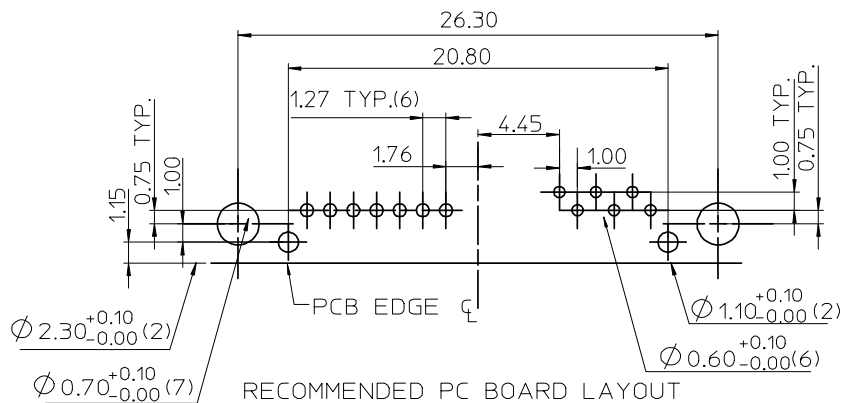
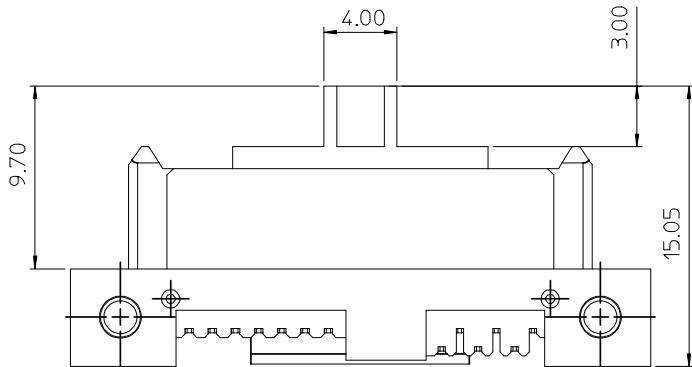
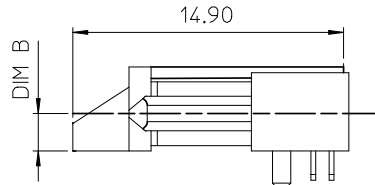
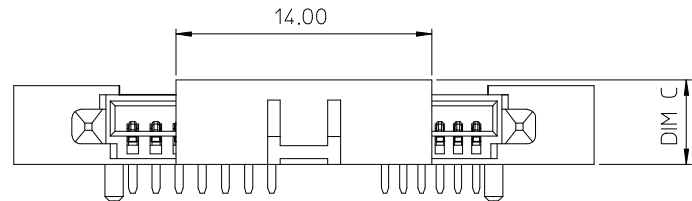


WITHOUT ALIGNMENT
(48321-2XXX)



WITH ALIGNMENT
(48321-1XXX)

CHANGE NUT'S MATERIAL EC NO: SH2008-0659 DRW:LLIU10 CHKD:YLZHU APPR:HWANG	2008/07/29	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE SLIMLINE SATA RECEPTACLE STANDARD DIP WITH NUT	
					mm	INCH	DRAWN BY LINDA	DATE 2007/12/13				
				4 PLACES	± ---	± ---	CHECKED BY	DATE				
				3 PLACES	± ---	± ---	ALLEN LIN	2007/12/17				
				2 PLACES	± 0.25	± ---	APPROVED BY	DATE				
A1	REV	DESCRIPTION	QUALITY SYMBOLS	1 PLACE	± 0.25	± ---	EICK LAN	2007/12/17	 MOLEX INCORPORATED			
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-48321-001		1 OF 2		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												



RECOMMENDED PC BOARD LAYOUT
TOLERANCE:± 0.05mm(TOP VIEW)

P/N	PLATING OPTIONS	DIM A	DIM B	DIM C	DIM D	PIN ALIGNMENT	WITHSTANDING MFG TEST
48321-1000	GOLD FLASH	3.50	1.25	3.80	0.35	YES	NO
48321-1001	15 MICROINCH						NO
48321-1002	30 MICROINCH						YES
48321-2000	GOLD FLASH	4.25	2.00	4.55	0.40	NO	NO
48321-2001	15 MICROINCH						NO
48321-2002	30 MICROINCH						YES



NOTES:

1.MATERIAL:

HOUSING & CAP:LIQUID CRYSTAL POLYMER,GLASS FIBER FILLED,UL94V-0,COLOR:BLACK.
TERMINAL:COPPER ALLOY.
NUT:ZINC ALLOY.

ALIGNER:LIQUID CRYSTAL POLYMER,GLASS FIBER FILLED,UL94V-0,COLOR:BLACK.

2.PLATING:

TERMINAL:

CONTACT AREA:SEE TABLE.

SOLDER TAIL:MATTE TIN PLATED,THICKNESS=100 MICROINCH MIN/2.54 MICROMETER MIN.

UNDER PLATE:NICKEL(Ni) PLATED OVERALL.

NUT:NICKEL(Ni)PLATED,THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.

3.RECOMMENDED PCB THICKNESS:1.20±0.05mm.

4.PRODUCT SPECIFICATION REFER TO PS-48321-001.

5.TEST SUMMARY REFER TO TS-48321-001.

6.PACKAGING SPECIFICATION REFER TO PK-48321-001.

7.MATES WITH:SERIES 47300.

8.LEAD FREE & RoHS COMPLIANT PRODUCT.

SEE SHEET1
EC NO: SH2008-0659
DRW:LLIU10
CHKD:YLZHU
APPR:HWANG
2008/07/09
2008/07/29

QUALITY SYMBOLS
▽=0
▽=0
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 2007/12/13
CHECKED BY DATE
ALLEN LIN 2007/12/17
APPROVED BY DATE
EICK LAN 2007/12/17
MATERIAL NO.
SEE TABLE
SIZE
A3

SCALE
1:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
SLIMLINE SATA RECEPTACLE
STANDARD DIP WITH NUT
MOLEX INCORPORATED
DOCUMENT NO.
SD-48321-001
SHEET NO.
2 OF 2
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