

10 9 8 7 6 5 4 3 2 1

F

E

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F

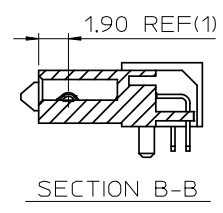
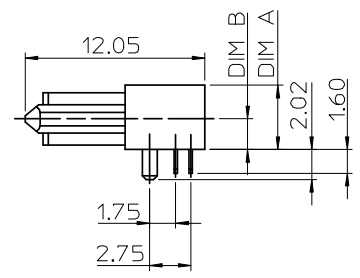
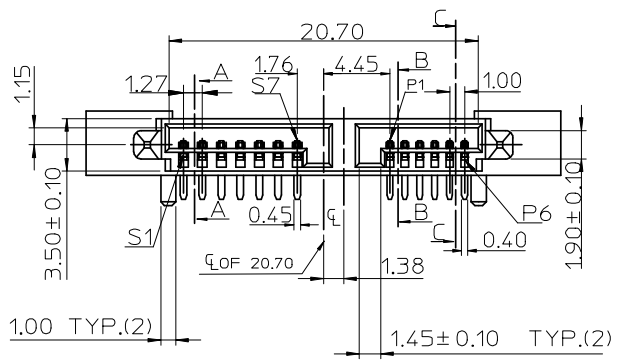
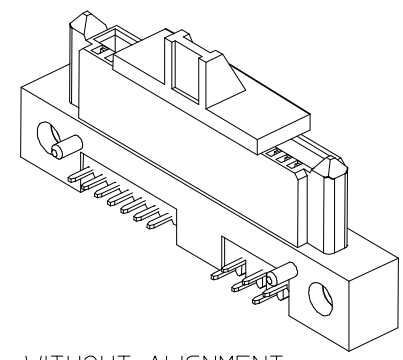
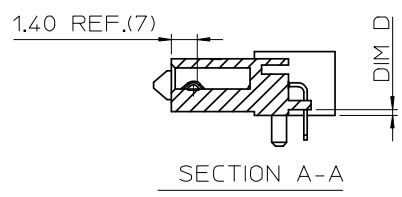
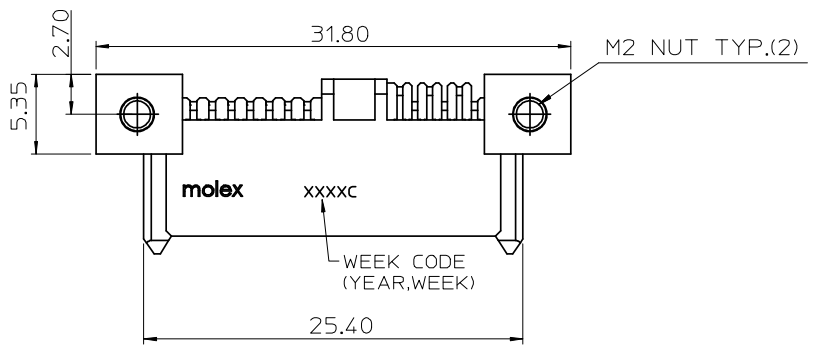
E

D

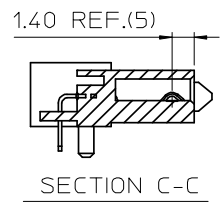
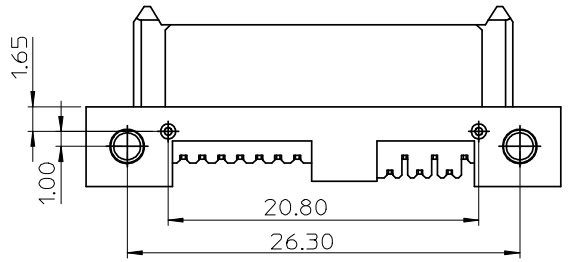
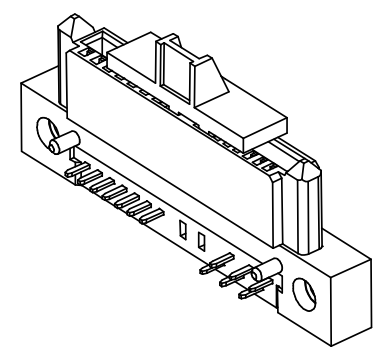
C

B

A



WITHOUT ALIGNMENT  
(48321-2XXX)



WITH ALIGNMENT  
(48321-1XXX)

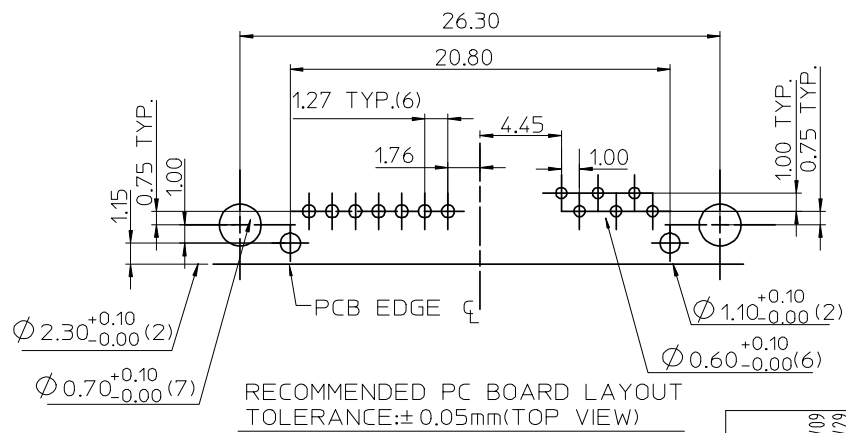
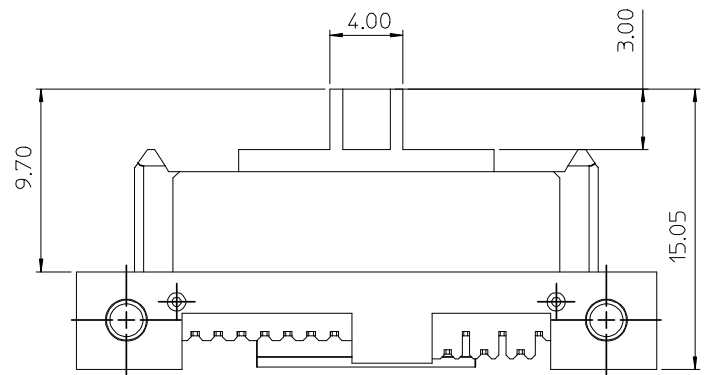
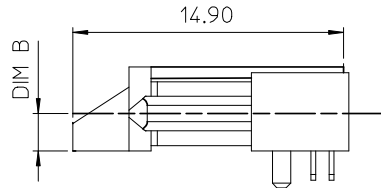
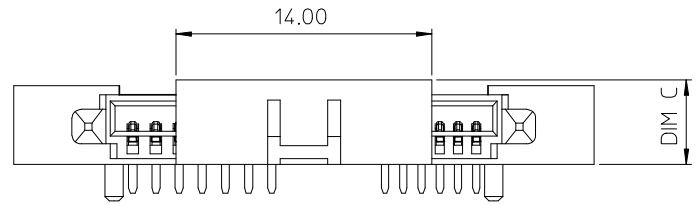
CHANGE NUT'S MATERIAL	2008/07/29
EC NO: SH2008-0659	DESCRIPTION
DRW:LLU10	
CHKD:YLZHU	
APPR:HWANG	
A1	REV

QUALITY SYMBOLS	DESCRIPTION
▽=0	
∇=0	

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		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		1:1	METRIC	
DRAWN BY	DATE	TITLE		
LINDA	2007/12/13	SLIMLINE SATA RECEPTACLE STANDARD DIP WITH NUT		
CHECKED BY	DATE	MOLEX INCORPORATED		
ALLEN LIN	2007/12/17	DOCUMENT NO.		
APPROVED BY	DATE	SD-48321-001		
EICK LAN	2007/12/17	SHEET NO.		
MATERIAL NO.		1 OF 2		
SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

9 8 7 6 5 4 3 2 1



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:**
- 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.
  - 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.
  - RECOMMENDED PCB THICKNESS: 1.20 ± 0.05mm.
  - PRODUCT SPECIFICATION REFER TO PS-48321-001.
  - TEST SUMMARY REFER TO TS-48321-001.
  - PACKAGING SPECIFICATION REFER TO PK-48321-001.
  - MATES WITH: SERIES 47300.
  - LEAD FREE & RoHS COMPLIANT PRODUCT.

SEE SHEET 1 EC NO: SH2008-0659 DRWN: LIU10 CHKD: YLZHU APPR: HWANG 2008/07/09 2008/07/29	QUALITY SYMBOLS ▽=0 □=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES	± ---	± ---	LINDA	2007/12/13	SLIMLINE SATA RECEPTACLE STANDARD DIP WITH NUT			
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
		2 PLACES	± 0.25	± ---	ALLEN LIN	2007/12/17	MOLEX INCORPORATED			
1 PLACE	± 0.25	± ---	APPROVED BY	DATE						
ANGULAR ± 3 °		EICK LAN		2007/12/17	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE		SD-48321-001		2 OF 2		
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						