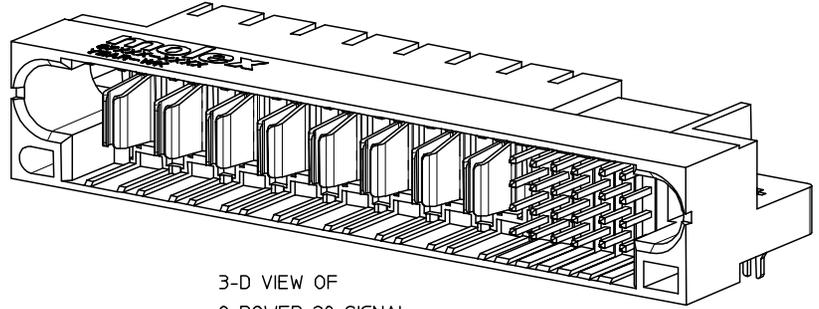
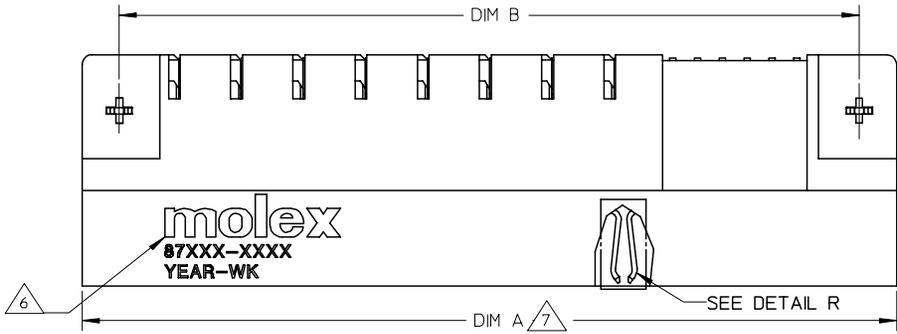
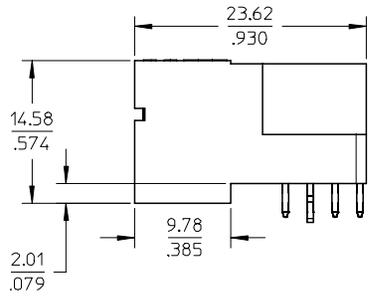
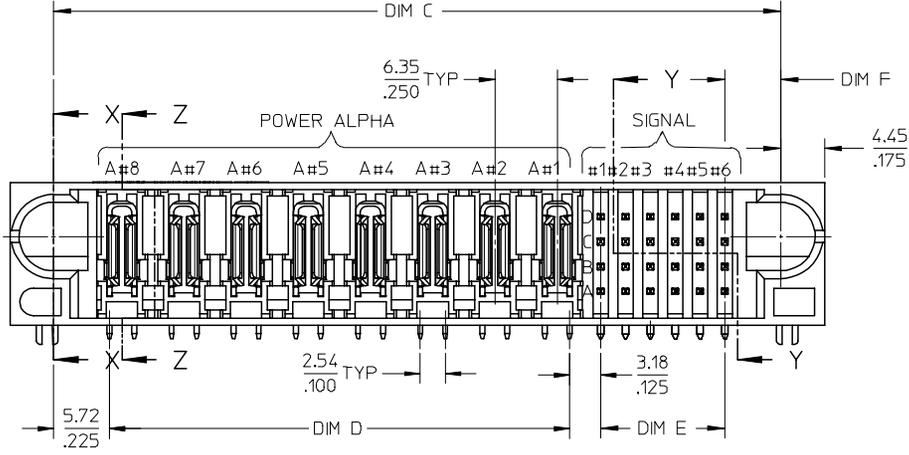


10 9 8 7 6 5 4 3 2 1



3-D VIEW OF
8 POWER-28 SIGNAL
FOR ILLUSTRATION



- NOTES:
- MATERIALS: HOUSING - LCP, GLASS FILLED, UL 94V-0, COLOUR: BLACK
POWER PINS - COPPER ALLOY
SIGNAL PINS - COPPER ALLOY
BOARDLOCK - COPPER ALLOY
 - FINISHES : POWER AND SIGNAL PINS :
SELECTIVE GOLD IN THE CONTACT AREA.
THICKNESS = 0.76 MICROMETER / 30 MICROINCH MINIMUM
SELECTIVE TIN IN THE PC TAIL AREA
THICKNESS = 2.54 MICROMETER / 100 MICROINCH MINIMUM
1.27um NICKEL OVERALL
 - PRODUCT SPECIFICATION : PS-87631-006
 - SEE SHEET 2 FOR RECOMMENDED PCB LAYOUT AND THICKNESS.
- ⚠ COMPONENT STAY AWAY ZONE FROM CONNECTOR.
 ⚠ MANUFACTURER LOGO, PART NUMBER AND YEAR-WEEK CODE.
 ⚠ 8 POWER ALPHA - 24 SIGNAL IS SHOWN FOR ILLUSTRATION .
 CONNECTOR CONFIGURATION IS AVAILABLE UP TO 203MM/INCH.
 PLEASE CONTACT MOLEX SALES PERSONNEL FOR OTHER CONFIGURATION AND OPTION NEEDED.

PDR#S-001468-00-00
 EC NO: S2007-0278
 DRWNS:SKANG 2006/11/30
 CHKD:M.LONG 2006/12/05
 APPR:SKTOH 2006/12/05

QUALITY SYMBOLS	DESCRIPTION
▽=0	
▽=0	
REV	

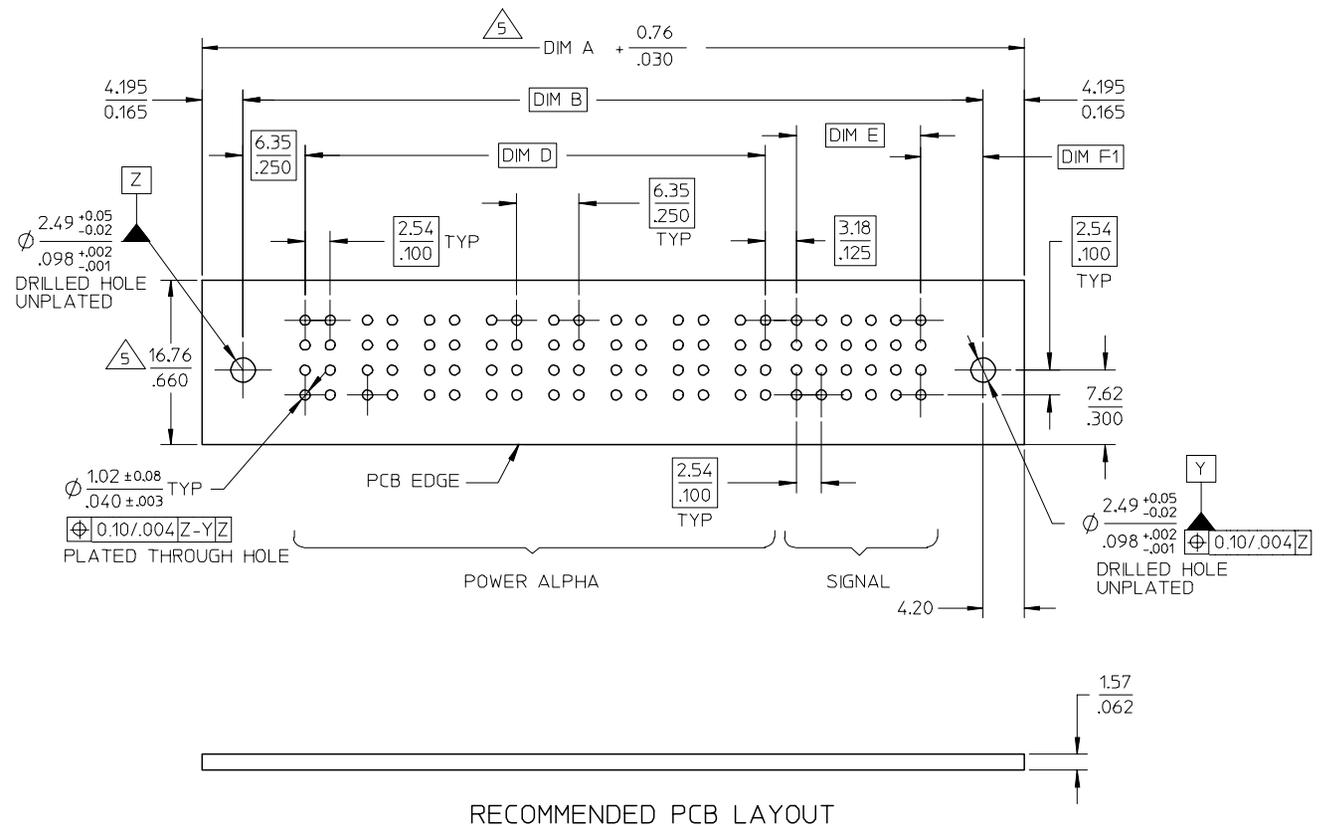
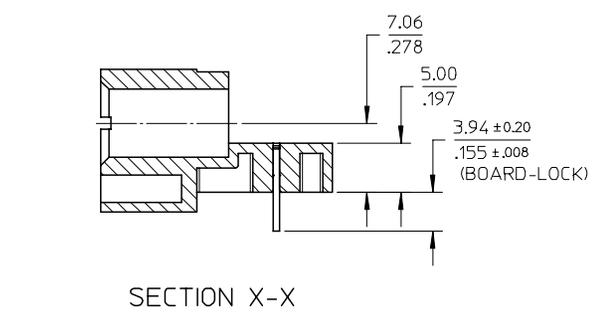
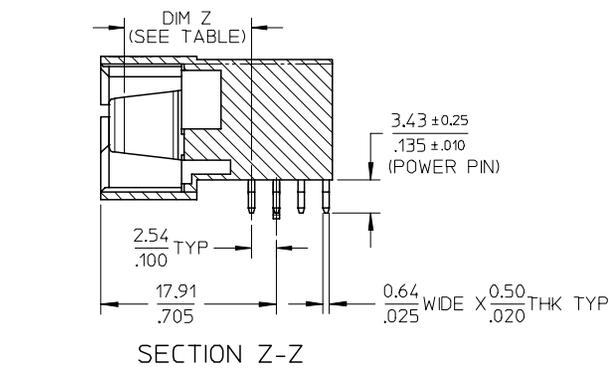
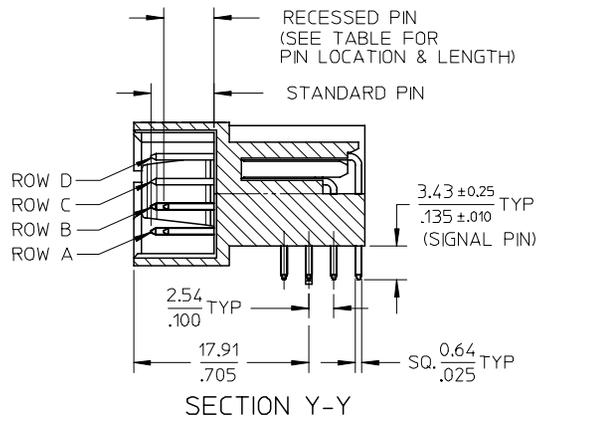
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm INCH
4 PLACES	± --- ± ---
3 PLACES	± --- ± .010
2 PLACES	± 0.25 ± ---
1 PLACE	± --- ± ---
ANGULAR ± 3 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
BHLOW	2002/11/21
CHECKED BY	DATE
PTL IM	2002/11/26
APPROVED BY	DATE
SKTOH	2002/11/27
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	⊙
TITLE		
HEADER POWER CONNECTOR P-S CONFIG, R/A, T/H WITH BOARD-LOCK		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-87696-014		1 OF 3
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

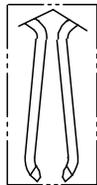
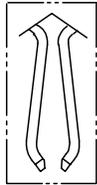
10 9 8 7 6 5 4 3 2 1



PDR# S-001468-00-00 EC NO: S2007-0278 DRWN: SKANG CHKD: MLONG APPR: SKTOH 2006/11/30 2006/12/05 2006/12/05	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	$\nabla=0$ $\sphericalangle=0$	<table border="1"> <thead> <tr> <th></th> <th>MM</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		MM	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .010	2 PLACES	± 0.25	± ---	1 PLACE	± ---	± ---	MM/IN	NTS	METRIC	
		MM	INCH																		
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DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	<table border="1"> <thead> <tr> <th>DRAWN BY</th> <th>DATE</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td>BHLOW</td> <td>2002/11/21</td> <td rowspan="2">HEADER POWER CONNECTOR P-S CONFIG, R/A, T/H WITH BOARD-LOCK</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>PTL IM</td> <td>2002/11/26</td> <td rowspan="2">MOLEX INCORPORATED</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>SKTOH</td> <td>2002/11/27</td> <td></td> </tr> </tbody> </table>	DRAWN BY	DATE	TITLE	BHLOW	2002/11/21	HEADER POWER CONNECTOR P-S CONFIG, R/A, T/H WITH BOARD-LOCK	CHECKED BY	DATE	PTL IM	2002/11/26	MOLEX INCORPORATED	APPROVED BY	DATE	SKTOH	2002/11/27		SIZE	DOCUMENT NO.	SHEET NO.
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APPROVED BY	DATE																				
SKTOH	2002/11/27																				
D3	REV	SEE TABLE	A3	SD-87696-014	2 OF 3																

9 8 7 6 5 4 3 2 1

PART NUMBER	P-S CONFIGURATION		DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM F1	POWER BLADE OPTIONS		STANDARD PIN LOCATION			RECESSED PIN LOCATION			VOID PIN LOCATION	PACKAGING
	POWER	ALPHA								SIGNAL	TYPE	DIM Z ±0.13/.005	ROW	COLUMN	LENGTH	ROW	COLUMN		
87696-2001	8		83.19 3.275	75.57 2.975	74.29 2.925	46.99 1.850	12.70 .500	5.72 .225	6.35 .250	SHORT CONTACT	13.32/.524	D C B A	1,2,3,4 1,2,3,4 1,2,3,4 1,2,3,4	6.45/.254	D C B A	5,6 5,6 5,6 5,6	5.18/.204	NIL	TRAY
87696-2002	7		76.84 3.025	69.22 2.725	67.94 2.675	40.64 1.600	12.70 .500	5.72 .225	6.35 .250	SHORT CONTACT	13.32/.524	D C B A	ALL	6.45/.254	D	3	5.18/.204	NIL	TRAY
87696-2003	7		76.84 3.025	69.22 2.725	67.94 2.675	40.64 1.600	12.70 .500	5.72 .225	6.35 .250	LONG CONTACT	14.12/.556	D C B A	ALL	6.86/.270	D	3	5.59/.220	NIL	TRAY
87696-2004	4		52.71 2.075	45.09 1.775	43.81 1.725	21.59 .850	7.62 .300	5.72 .225	6.35 .250	LONG CONTACT	14.12/.556	D C B A	ALL	6.86/.270	A	1	5.59/.220	NIL	TRAY
87696-2008	5		59.06 2.325	51.45 2.025	50.17 1.975	27.94 1.100	7.62 .300	5.72 .225	6.35 .250	LONG CONTACT	14.12/.556	D C B A	ALL	6.86/.270	NIL	NIL	NIL	NIL	TRAY
87696-2010	8		85.09 3.350	77.47 3.050	76.20 3.000	46.99 1.850	15.24 .600	5.08 .200	5.72 .225	LONG CONTACT	14.12/.556	D C B A	1,2,3,4 1,2,3,4	6.86/.270	D C B A	1,2,3,4,5,6,7 1,2,3,4,5,6,7 1,2,3,4,5,6,7 5,6,7	5.59/.220	NIL	TRAY
87696-2011	4		54.61 2.150	46.99 1.850	45.72 1.800	21.59 0.850	10.16 .400	5.08 .200	5.72 .225	LONG CONTACT	14.12/.556	D C B A	1,3,4,5 1,3,4,5 1,3,4,5 3,4,	6.86/.270	D C B A	15	5.59/.220	D2 C2 B2 A2	TRAY
87696-2012	9		83.82 3.300	76.20 3.000	74.93 2.950	53.34 2.100	7.62 .300	5.08 .200	5.72 .225	LONG CONTACT	14.12/.556	D C B A	ALL	6.86/.270	NIL	NIL	NIL	NIL	TRAY
87696-2014	4		57.15 2.250	49.53 1.950	48.26 1.900	21.59 .850	12.70 .500	5.08 .200	5.72 .225	LONG CONTACT	14.12/.556	D C B A	ALL	6.86/.270	NIL	NIL	NIL	NIL	TRAY



SHORT BLADE OPTION LONG BLADE OPTION

DETAIL R

(SEE TABLE FOR BLADE OPTION)

PDR#S-001468-00-00 EC NO: S2007-0278 DRWNS:KANG CHKD:M LONG APPR:SKTOH	2006/11/30	DESCRIPTION
	2006/12/05	
	2006/12/05	
D3	REV	

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	
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