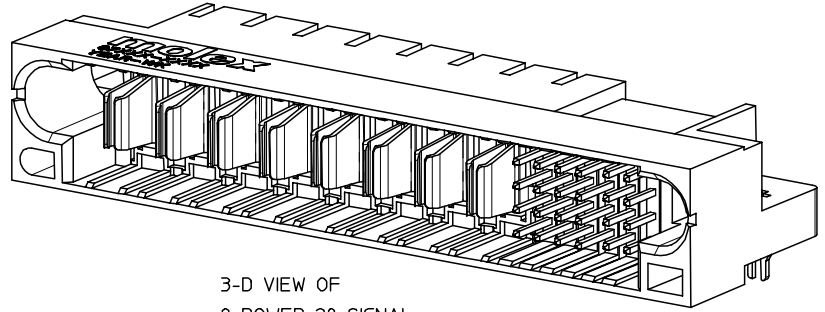
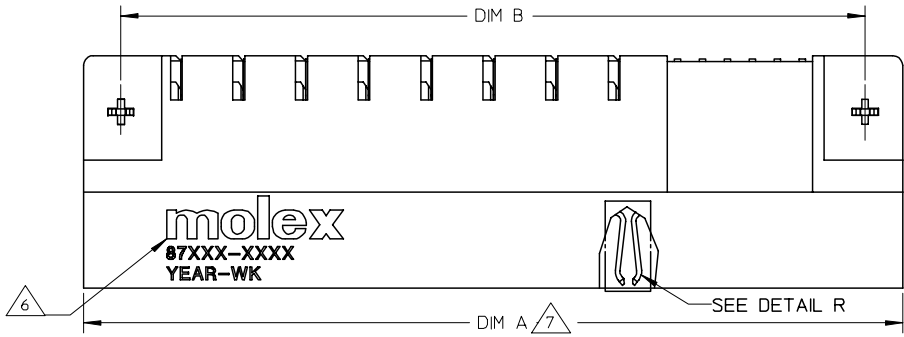
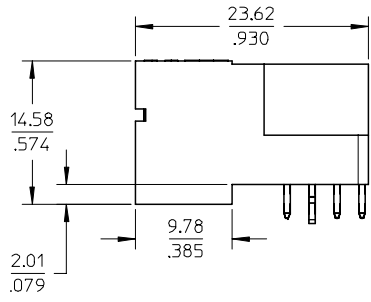
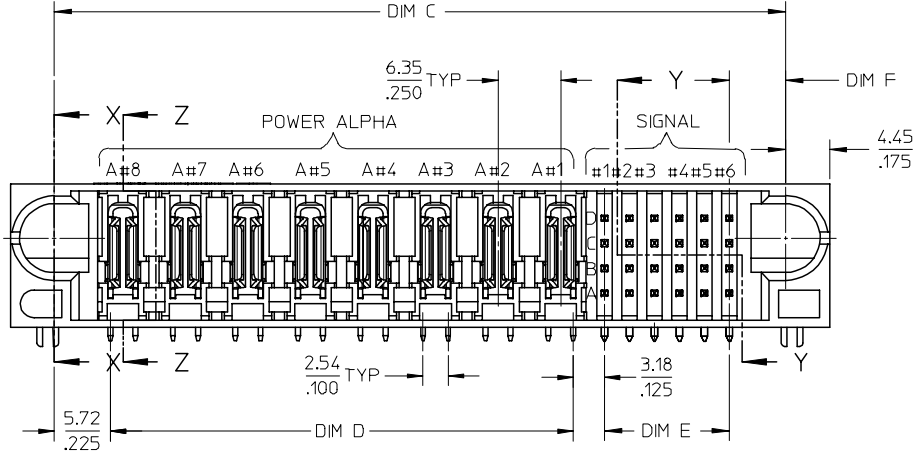


10 9 8 7 6 5 4 3 2 1



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	2006/11/30
EC NO: S2007-0278	2006/12/05
DRWNS:KANG	2006/12/05
CHKD:M.LONG	
APPR:SKTOH	
D3	REV

QUALITY SYMBOLS	▽=0
	∇=0
DESCRIPTION	

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	

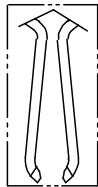
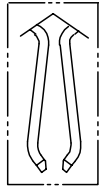
DIMENSION STYLE	
MM/IN	DATE
DRAWN BY	BHLOW
CHECKED BY	PTL IM
APPROVED BY	SKTOH
MATERIAL NO.	
SIZE A3	

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



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	REV	DESCRIPTION
	2006/12/05		
	2006/12/05		
D3			

QUALITY SYMBOLS	▽=0
	∇=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	MM	INCH
4 PLACES	± .010	± .0004
3 PLACES	± .010	± .0004
2 PLACES	± 0.25	± .010
1 PLACE	± .010	± .0004
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	

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	3 OF 3	
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