



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

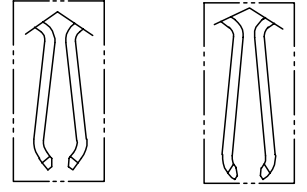
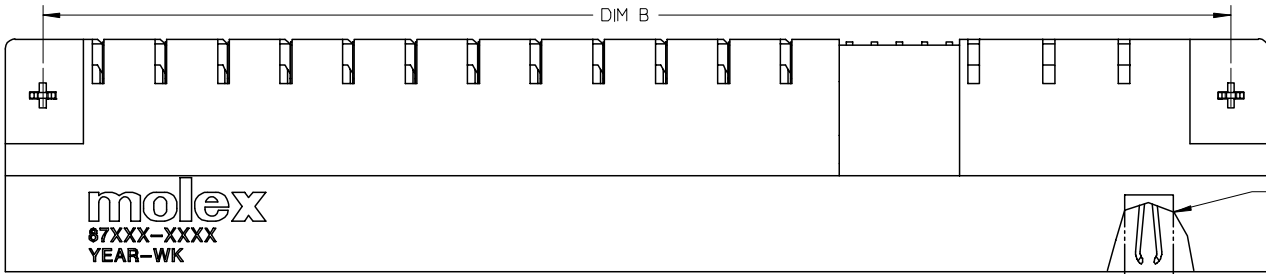
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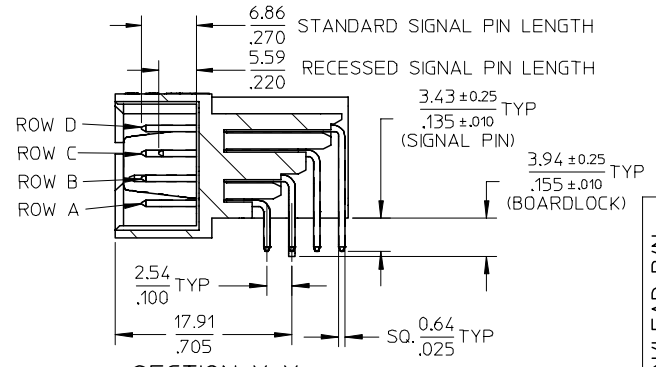
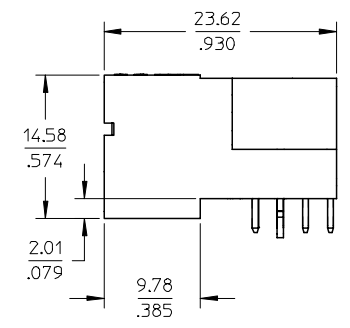
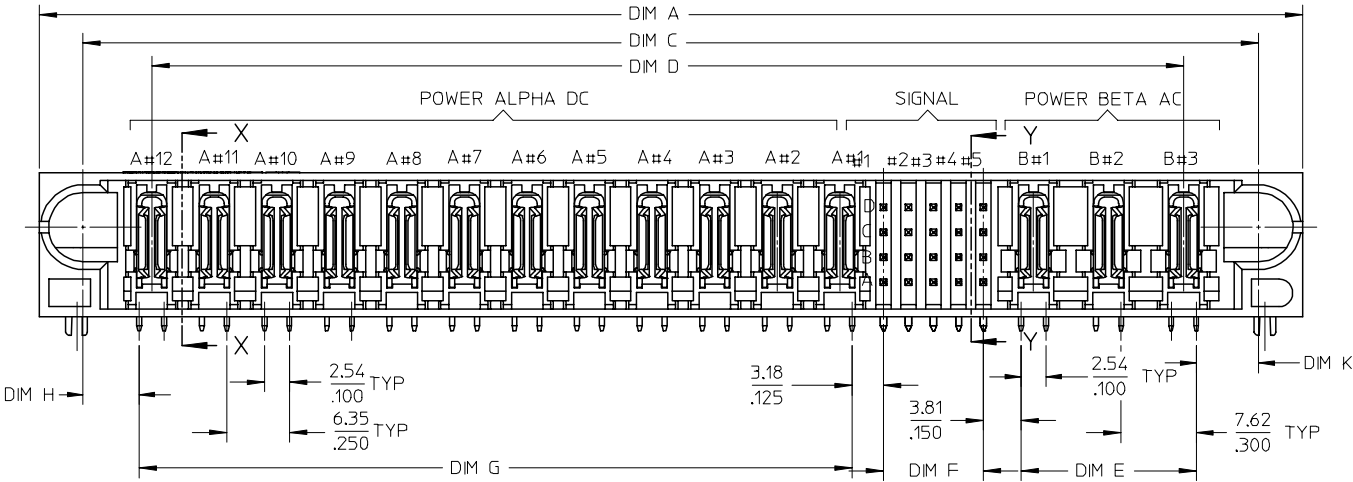
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



10 9 8 7 6 5 4 3 2 1



SHORT BLADE OPTION LONG BLADE OPTION
DETAIL R
 (SEE TABLE FOR BLADE OPTION)



OBS EC NO: S2006-0767 DRWN:MLG CHKD:NAGESHKN APPR:PTLIM	2006/04/03	REV DESCRIPTION	QUALITY SYMBOLS
	2006/04/03		▽=0
	2006/04/06		▽=0

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

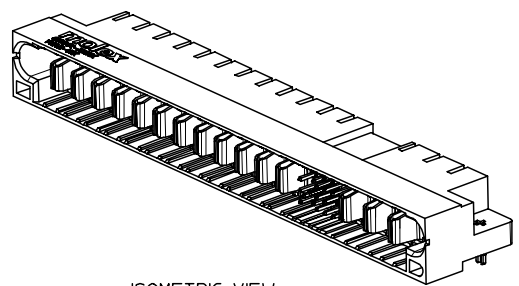
DRAWN BY	DATE
BHLOW	2003/10/02
CHECKED BY	DATE
PTLIM	2003/10/21
APPROVED BY	DATE
SKTOH	2003/10/21
MATERIAL NO.	
SEE TABLE	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	
TITLE		
DC/AC POWER CONN. HEADER P(DC)-S-P(AC) CONFIG. R/A, T/H, BOARD-LOCK		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-87663-020		1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

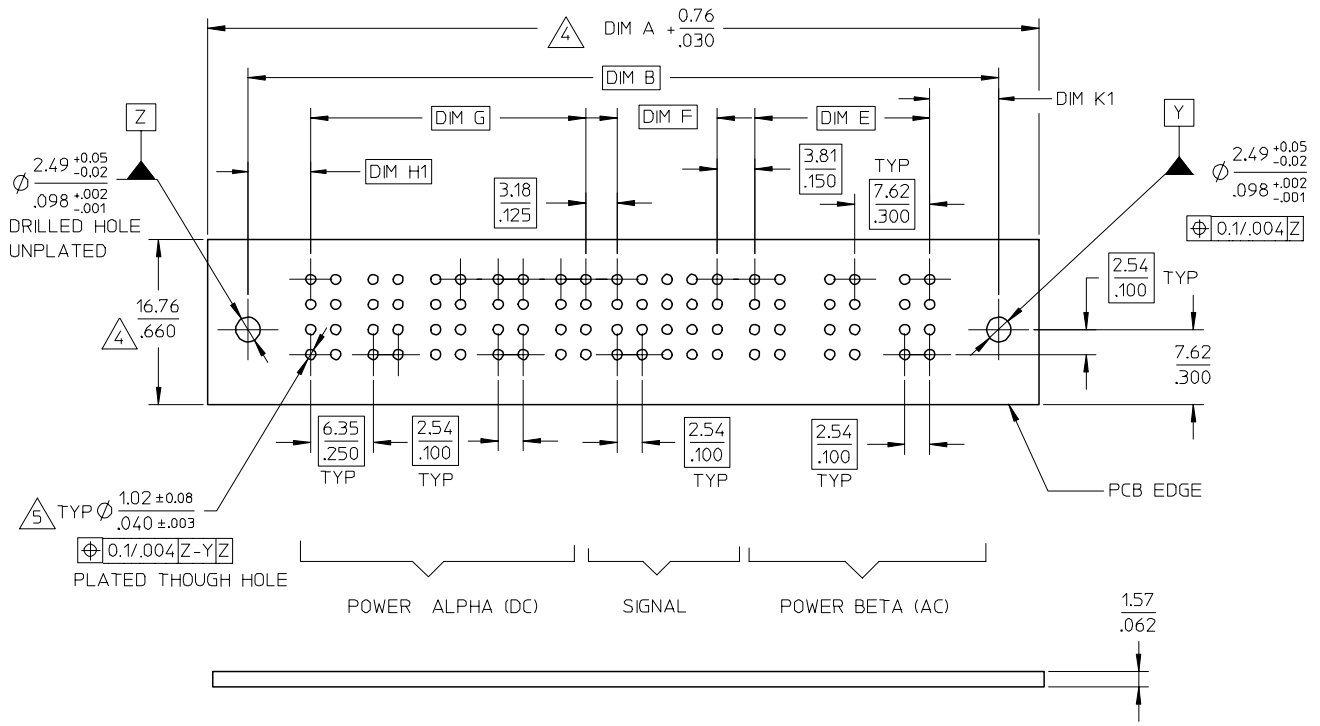
9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

F
E
D
C
B
A



ISOMETRIC VIEW
3P(AC)-24S-12P(DC) FOR ILLUSTRATION



RECOMMENDED PCB LAYOUT

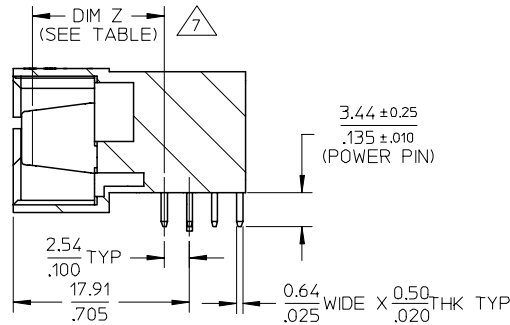
NOTES:

1. MATERIALS:-
HOUSING - LCP, GLASS FILLED, UL94V-0. COLOUR: BLACK
SIGNAL TERMINAL - COPPER ALLOY
POWER TERMINAL - COPPER ALLOY
2. FINISH :-
SIGNAL & POWER CONTACTS
0.76 MICROMETER MINIMUM GOLD (Au) AT CONTACT AREA AND
2.54 MICROMETER MINIMUM TIN AT SOLDERTAIL AREA
OVER 1.27 MICROMETER MINIMUM NICKEL (Ni) UNDERPLATE.
3. PRODUCT SPECIFICATION : PS-87663-006.
4. COMPONENT STAY AWAY FROM CONNECTOR.
5. PCB NOTE FOR DIAMETER 1.02/.040 PLATED HOLE.
- DRILLED HOLE SIZE IS 1.15/ .0453.
- PLATE WITH 0.007 / .0003 MINIMUM TIN OVER 0.03/.001
TO 0.08/.003 COPPER PLATING TO ACHIEVE 1.02±0.08/.040±.003 HOLE.
6. MANUFACTURER LOGO, PART NUMBER AND YEAR-WEEK CODE.
7. LONG AND SHORT CONTACT POWER BLADE OPTIONS ARE AVAILABLE
FOR DIFFERENT CUSTOMERS REQUIREMENT.

OBS TIN/LEAD P/N EC NO: S2006-0767 DRWN:MLONG CHKD:NGESHKN APPR:PTLIM	REV D	DESCRIPTION QUALITY SYMBOLS ▽=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY BHLW	DATE 2003/10/02	TITLE DC/AC POWER CONN. HEADER P(DC)-S-P(AC) CONFIG. R/A, T/H, BOARD-LOCK			
			4 PLACES ± ---	± ---	CHECKED BY PTL IM	DATE 2003/10/21				
			3 PLACES ± ---	± .010	APPROVED BY SKTOH	DATE 2003/10/21	MOLEX INCORPORATED			
		ANGULAR ± 3 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.	DOCUMENT NO. SD-87663-020	SHEET NO. 2 OF 3	

9 8 7 6 5 4 3 2 1

PART NUMBER	P-S-P CONFIGURATION			DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM H1	DIM K	DIM K1	POWER BLADE OPTIONS		RECESSED SIGNAL PIN		VOID PIN LOCATION
	POWER ALPHA	DC SIGNAL	POWER BETA AC												DIM Z ±0.13/.005	LOCATION	LENGTH	LOCATION	
87663-2000	12	20	3	128.27 5.050	120.65 4.750	119.38 4.700	104.78 4.125	17.78 .700	10.16 .400	72.39 2.850	5.72 .225	6.35 .250	6.35 .250	6.99 .275	14.12 / .556	ALL	5.59/.220	A1,A3,C3 .D1,D2	NIL
87663-2001	8	12	3	97.79 3.850	90.17 3.550	88.90 3.500	74.30 2.925	17.78 .700	5.08 .200	46.99 1.850	5.72 .225	6.35 .250	6.35 .250	6.99 .275	14.12 / .556	ALL	NIL	NIL	NIL
87663-2002	1	32	3	64.14 2.525	56.52 2.225	55.25 2.175	42.55 1.675	17.78 .700	17.78 .700	2.54 .100	5.08 .200	5.72 .225	5.08 .200	5.72 .225	14.12 / .556	ALL	NIL	NIL	A5,B5,C5,D5 A6,B6,C6,D6 B7,C7 A8,B8,C8,D8



(TERMINAL LOCKING DETAIL NOT SHOWN)

SECTION X-X

OBS TIN/LEAD P/N EC NO: S2006-0767 DRWN:MLONG CHKD:NAGESHKN APPR:PTLIM	2006/04/03 2006/04/03 2006/04/06	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY BHLW	DATE 2003/10/02	TITLE DC/AC POWER CONN. HEADER P(DC)-S-P(AC) CONFIG. R/A, T/H, BOARD-LOCK			
			4 PLACES ± ---	± ---	PTL IM	DATE 2003/10/21					
			3 PLACES ± ---	± .010	APPROVED BY SKTOH	DATE 2003/10/21	DOCUMENT NO. SD-87663-020		SHEET NO. 3 OF 3		
	2 PLACES ± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.				
	1 PLACE ± ---	± ---					MOLEX INCORPORATED				
	ANGULAR ± 3 °										