



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!



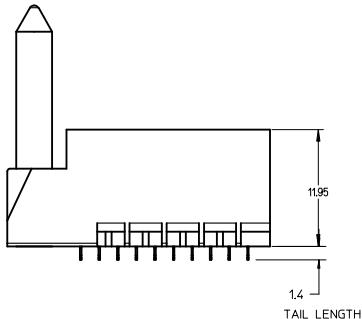
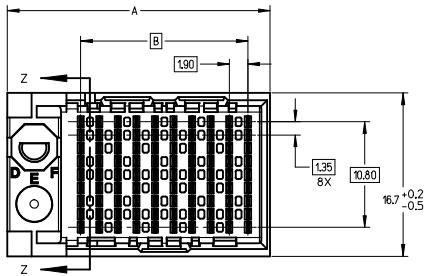
Contact us

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

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0

TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30μ MIN GOLD IN CONTACT AREA,
SELECTIVE TIN ON PCB TAILS,
NICKEL OVERALL.

3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999
FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
MOLEX COSMETIC SPEC PS-45499-002.

5. PACKAGE PER PK-70873-758.

6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
7. FOR GROUNDED GUIDE PINS USE DIA. 3.56 +/-0.08 (PTH)
DIA. 3.66 (DRILL) AND DIA. 6.5 (PAD).

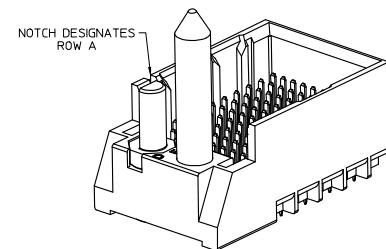
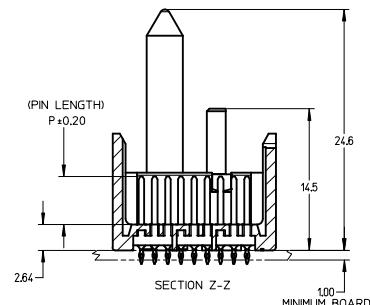
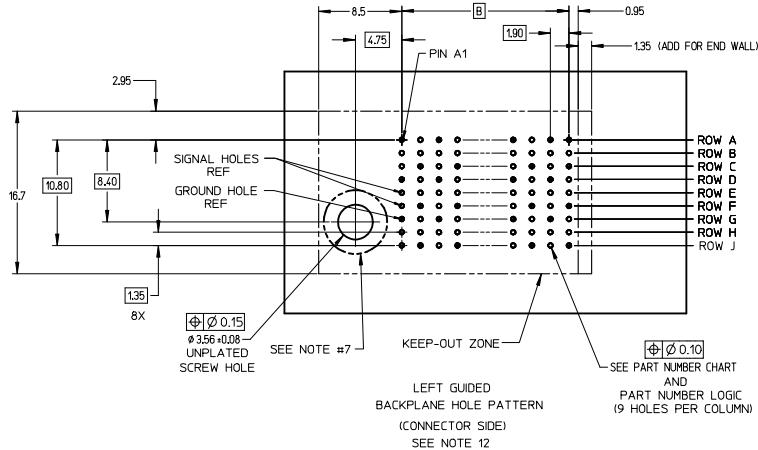
8. MATES WITH IMPACT DC SERIES NO. 76170.

9. KEEP OUT ZONE FOR BP HOUSING LENGTH INCLUDES AN ADDITIONAL 1.0MM
TO ACCOMMODATE FOR SPACE REQUIRED BY DC FRONT HOUSING.

10. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTI PAD AND ROUTING RECOMMENDATIONS.

11. CONNECTORS SUPPLIED WITH A 2-56 UNC-2A SCREW.

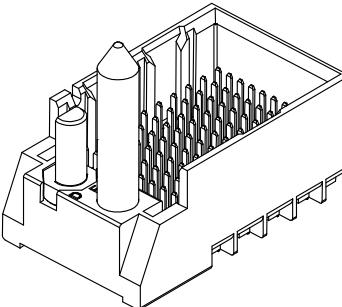
12. THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR INSERTION AND
REPAIR ON THE PC BOARD. THIS IS REFERRED TO AS THE "CONNECTOR KEEP OUT ZONE" AND
DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR. WHEN LAYING OUT A PC BOARD
FOR CONNECTORS STACKED TOGETHER, USE A 1.9mm PROGRESSION.*



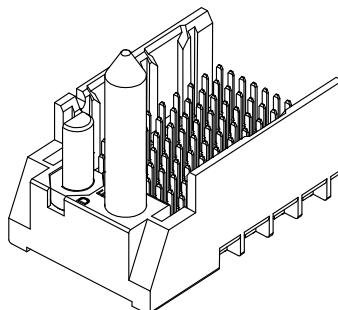
REVISED (MIN/REV)	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH			
4 PLACES	\pm ---	\pm ---	\pm ---			
3 PLACES	\pm ---	\pm ---	\pm ---			
2 PLACES	\pm 0.13	\pm ---	\pm ---			
1 PLACE	\pm 0.25	\pm ---	\pm ---			
0 PLACE	\pm	\pm	\pm			
APPROVED BY JLAURX 2010/10/15						
REV H1						
DRAFT WHERE APPROPRIATE MUST REMAIN WITHIN DIMENSIONS						
SEE TABLE						
MATERIAL NO. SD-76165-002						
DOCUMENT NO. 1 OF 3						
SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

PART NUMBER TABLE

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	GUIDE LEFT END WALL OPTION
76165-*3**	6	18	19.3	9.50	
76165-*8**	8	24	23.1	13.30	
76165-*1**	10	30	26.9	17.10	
76165-*6**	16	48	38.3	28.50	

GUIDE LEFT
END WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	GUIDE LEFT OPEN WALL OPTION
76165-*3**	6	18	17.9	9.50	
76165-*8**	8	24	21.7	13.30	
76165-*1**	10	30	25.5	17.10	
76165-*6**	16	48	36.9	28.50	

GUIDE LEFT
OPEN WALL OPTION

PART NUMBER LOGIC

76165-* * * *

MODULE TYPE

3 = GUIDE LEFT,TIN

7 = GUIDE LEFT END WALL, TIN

PIN LENGTH (P)

- 3 = 4.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
- 4 = 4.90 (SHORT COMPLIANT, 0.46±0.05 PTH)
- 5 = 5.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
- 6 = 4.50 (MICRO COMPLIANT, 0.39±0.05 PTH)
- 7 = 4.90 (MICRO COMPLIANT, 0.39±0.05 PTH)
- 8 = 5.50 (MICRO COMPLIANT, 0.39±0.05 PTH)

OF COLUMNS

- 1 = 10 COL
- 3 = 6 COL
- 6 = 16 COL
- 8 = 8 COL

KEY ORIENTATION

- 0 = NO KEY
- 1 = A
- 2 = B
- 3 = C
- 4 = D
- 5 = E
- 6 = F
- 7 = G
- 8 = H

SEE SHEET 1
EC NO: UCP2014-0887
DRAWN: BINGHAM 2013/08/25
CHKD: LAURX 2013/08/25
APPR: LAURX 2013/09/25
REV: H1

QUALITY SYMBOLS

GENERAL TOLERANCES
(UNLESS SPECIFIED)DIMENSION STYLE
MM ONLYDRAWN BY
MSANDBERG 2007/06/18

DATE

TITLE

CHECKED BY
JLAURX 2007/06/18

DATE

APPROVED BY
JLAURX 2010/10/15

DATE

MATERIAL NO.

DOCUMENT NO.

SCALE
3:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

IMPACT BP 3 PAIR
LEFT GUIDED ASSEMBLY
SALES DRAWING

molex

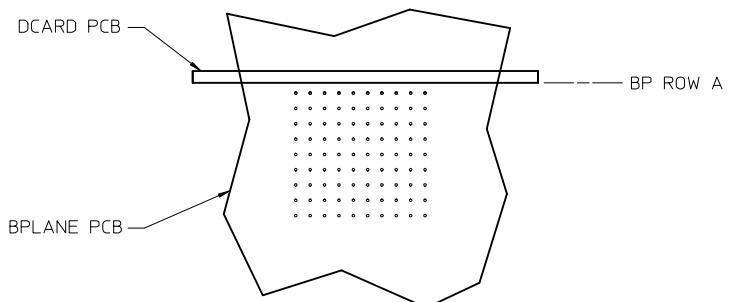
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SEE TABLE

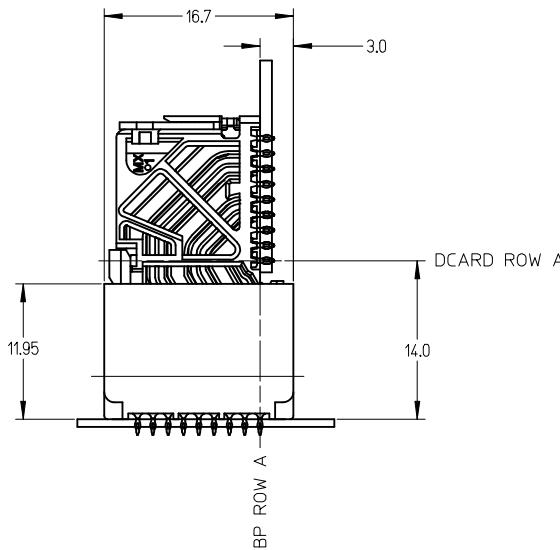
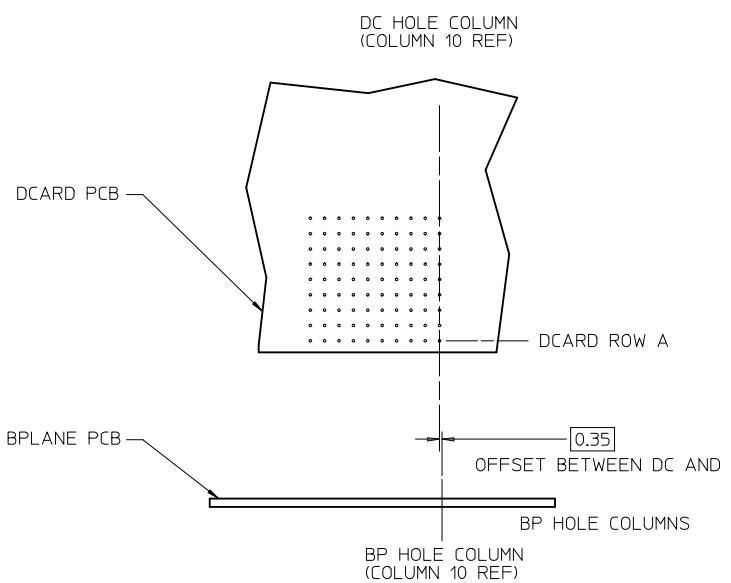
SIZE

C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



IMPACT 3 PAIR
BOARD RELATIONSHIPS



SEE SHEET 1		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
EC NO: UCF2014-0887	REV: H1		mm	INCH				
DRAWN: J.BINGHAM	2013/08/25	$\nabla = 0$	4 PLACES	$\pm \text{---}$	$\pm \text{---}$	DRAWN BY MSANDBERG	DATE 2007/06/18	TITLE IMPACT BP 3 PAIR LEFT GUIDED ASSEMBLY SALES DRAWING
CHKD: J.LAURX	2013/08/25	$\nabla = 0$	3 PLACES	$\pm \text{---}$	$\pm \text{---}$	CHECKED BY JLAURX	DATE 2007/06/18	
APPR: J.LAURX	2013/09/15	$\nabla = 0$	2 PLACES	± 0.13	$\pm \text{---}$	APPROVED BY JLAURX	DATE 2010/10/15	
			1 PLACE	± 0.25	$\pm \text{---}$			
			0 PLACE	$\pm \text{---}$	$\pm \text{---}$			
ANGULAR $\pm 1/2^\circ$								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
SEE TABLE		MATERIAL NO.	DOCUMENT NO.		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
						SD-76165-002		