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4166

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C

C

B

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A

NOTES:

1. MATERIAL:PHOSPHOR BRONZE

2. FINISH: PER ES-88

102-TIN: .000200 MICROINCHES MIN OVER COPPER

501-GOLD: .000020 MICROINCHES MIN OVER NICKEL

THE PRIMARY SHIPPING CARTON WILL BE LABELED

"COMPLIANT" TO RoHS DIRECTIVE 2002/95/EC & ELV

ANNEX II OF DIRECTIVE 2003/53/EC*. CARTONS W/O

THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD

IN THE PC TAIL AREA.

3. PRODUCT SPECIFICATION & PROCESSING PARAMETERS: NONE.

4. DIMENSIONS GIVEN ARE BEFORE PLATING.

5. SOLDERABILITY SPECIFICATION: SMES-152 AFTER PLATING.

6. CAMBER SPECIFICATION: .003 MM/MM OR .003 IN/IN.

7. BURR SPECIFICATION ES-151.

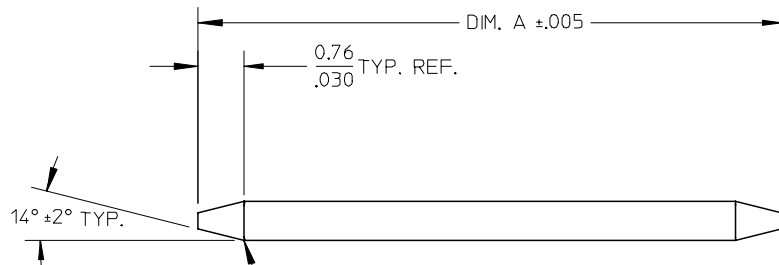
8. RECOMMENDED PCB HOLE SPECIFICATION FOR PRESS FIT PINS:

.062 THK. PCB

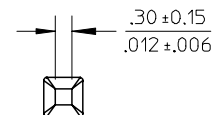
PUNCHED HOLES: .030±.002/.762±0.05

DRILLED HOLES: .031±.0015/.0787±0.038

PLATED THRU HOLES: .0295±.0025/.749±0.064



PART TO BE FREE
OF ALL TOOL MARKS
DUE TO COINING &
TRIMMING OPERATION.



GEN.DOCS.	SHEETS 2-*	AJ
ANNOTATOR	SHEET 1	AJ
DOC. TYPE	SHEETS	REV.

EC NO: UCP2004-1675
DRWN: JSCHAFER2004/03/08
CHKD: 2004/03/11
APPR: YMARGULI 2004/03/17

QUALITY SYMBOLS	DESCRIPTION	REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SCALE

8:1

DESIGN UNITS

INCH

DIMENSION STYLE

MM/IN

DRAWN BY DATE

SCHAFFER 2004/03/01

CHECKED BY DATE

SAMIEC 2004/03/04

APPROVED BY DATE

MARGULIS 2004/03/05

THIRD ANGLE
PROJECTION

REVISE ON CAD ONLY

TITLE

TERMINAL PIN
0.64/.025 SQ. WIRE



MOLEX INCORPORATED

MATERIAL NO.

SEE CHART

DOCUMENT NO.

SD-4166-001

SHEET NO.

1 OF *

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

A

fb_frame_A
rev. B1 2000/08/01

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2

1

PART NO:	ENG NO:	PART NO:	ENG NO:
08-52-1201	4166-1(102)	08-52-1233	4166-33(102)
08-52-1202	4166-2(102)	08-52-1234	4166-34(102)
08-52-1203	4166-3(102)	08-52-1235	4166-35(102)
08-52-1204	4166-4(102)	08-52-1238	4166-38(102)
08-52-1205	4166-5(102)	08-52-1239	4166-39(102)
	4166-7(102)	08-52-1241	4166-41(102)
08-52-1208	4166-8(102)	08-52-1242	4166-42(102)
08-52-1209	4166-9(102)	08-52-1243	4166-43(102)
08-52-1210	4166-10(102)	08-52-0646	4166-46(102)
08-52-1211	4166-11(102)		4166-47(102)
08-52-1212	4166-12(102)	08-52-1258	4166-58(102)
	4166-15(102)		4166-60(102)
	4166-17(102)	08-52-1264	4166-64(102)
08-52-1218	4166-18(102)		4166-65(102)
08-52-1220	4166-20(102)	08-52-1266	4166-66(102)
08-52-1222	4166-22(102)		4166-67(102)
08-52-1225	4166-25(102)		4166-68(102)
08-52-1227	4166-27(102)	08-52-1269	4166-69(102)
08-52-1230	4166-30(102)	08-52-1274	4166-74(102)
08-52-0231	4166-31(102)		

REV: AJ	SEE SHEET 1	TITLE: KK .025 SQ PIN		SHEET No. - 2 -
DOCUMENT NUMBER: SD- 4166-001		CREATED / REVISED BY: SCHAFER	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC				

PART NO:	ENG NO:	PART NO:	ENG NO:
08-52-0601	4166-1(103)	08-52-0633	4166-33(103)
08-52-0602	4166-2(103)		4166-34(103)
08-52-0603	4166-3(103)	08-52-0635	4166-35(103)
08-52-0604	4166-4(103)		4166-38(103)
08-52-0605	4166-5(103)		4166-39(103)
	4166-7(103)		4166-41(103)
08-52-0608	4166-8(103)		4166-42(103)
08-52-0609	4166-9(103)		4166-43(103)
08-52-0610	4166-10(103)		4166-46(103)
08-52-0611	4166-11(103)		4166-47(103)
08-52-0612	4166-12(103)		4166-58(103)
08-52-0615	4166-15(103)	08-52-0660	4166-60(103)
	4166-17(103)		4166-64(103)
	4166-18(103)		4166-65(103)
	4166-20(103)		4166-66(103)
	4166-22(103)		4166-67(103)
	4166-25(103)		4166-68(103)
	4166-27(103)		4166-69(103)
08-52-0630	4166-30(103)		4166-74(103)
	4166-31(103)		

PART NO:	ENG NO:	PART NO:	ENG NO:
08-52-1301	4166-1(121)		4166-33(121)
08-52-1302	4166-2(121)		4166-34(121)
08-52-1303	4166-3(121)		4166-35(121)
08-52-1304	4166-4(121)		4166-38(121)
08-52-1305	4166-5(121)		4166-39(121)
08-52-1307	4166-7(121)		4166-41(121)
	4166-8(121)	08-52-1342	4166-42(121)
08-52-1309	4166-9(121)		4166-43(121)
	4166-10(121)		4166-46(121)
08-52-1311	4166-11(121)		4166-47(121)
	4166-12(121)		4166-58(121)
08-52-1315	4166-15(121)		4166-60(121)
08-52-1317	4166-17(121)		4166-64(121)
	4166-18(121)	08-52-1365	4166-65(121)
	4166-20(121)		4166-66(121)
08-52-1322	4166-22(121)	08-52-1367	4166-67(121)
	4166-25(121)	08-52-1368	4166-68(121)
08-52-1327	4166-27(121)	08-52-1369	4166-69(121)
	4166-30(121)		4166-74(121)
	4166-31(121)		

REV: AJ	SEE SHEET 1	TITLE: KK .025 SQ PIN	SHEET No. - 3 -
DOCUMENT NUMBER: SD- 4166-001	CREATED / REVISED BY: SCHAFER	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS

PART NO:	ENG NO:	PART NO:	ENG NO:
	4166-1(125)		4166-33(125)
	4166-2(125)		4166-34(125)
	4166-3(125)		4166-35(125)
	4166-4(125)		4166-38(125)
08-59-0605	4166-5(125)		4166-39(125)
	4166-7(125)		4166-41(125)
	4166-8(125)		4166-42(125)
08-59-0609	4166-9(125)		4166-43(125)
	4166-10(125)		4166-46(125)
	4166-11(125)		4166-47(125)
	4166-12(125)		4166-58(125)
	4166-15(125)		4166-60(125)
	4166-17(125)		4166-64(125)
	4166-18(125)		4166-65(125)
	4166-20(125)		4166-66(125)
	4166-22(125)		4166-67(125)
	4166-25(125)		4166-68(125)
	4166-27(125)		4166-69(125)
	4166-30(125)		4166-74(125)
	4166-31(125)		

PART NO:	ENG NO:	PART NO:	ENG NO:
	4166-1(126)		4166-33(126)
08-60-0602	4166-2(126)		4166-34(126)
	4166-3(126)		4166-35(126)
	4166-4(126)		4166-38(126)
	4166-5(126)		4166-39(126)
	4166-7(126)		4166-41(126)
	4166-8(126)		4166-42(126)
	4166-9(126)		4166-43(126)
	4166-10(126)		4166-46(126)
	4166-11(126)		4166-47(126)
	4166-12(126)		4166-58(126)
	4166-15(126)		4166-60(126)
	4166-17(126)		4166-64(126)
	4166-18(126)		4166-65(126)
	4166-20(126)		4166-66(126)
	4166-22(126)		4166-67(126)
	4166-25(126)		4166-68(126)
	4166-27(126)		4166-69(126)
	4166-30(126)		4166-74(126)
	4166-31(126)		

REV: AJ	SEE SHEET 1	TITLE: KK .025 SQ PIN	SHEET No. - 4 -
DOCUMENT NUMBER: SD- 4166-001	CREATED / REVISED BY: SCHAFER	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS

PART NO:	ENG NO:	PART NO:	ENG NO:
08-52-0711	4166-1(224)		4166-33(224)
	4166-2(224)		
	4166-3(224)		4166-35(224)
	4166-4(224)		4166-38(224)
	4166-5(224)		4166-39(224)
	4166-7(224)		4166-41(224)
	4166-8(224)		4166-42(224)
	4166-9(224)		4166-43(224)
	4166-10(224)		4166-46(224)
	4166-11(224)		4166-47(224)
	4166-12(224)		4166-58(224)
	4166-15(224)		4166-60(224)
			4166-64(224)
	4166-18(224)		4166-65(224)
	4166-20(224)		4166-66(224)
	4166-22(224)		4166-67(224)
	4166-25(224)		4166-68(224)
08-52-0727	4166-27(224)		4166-69(224)
	4166-30(224)		4166-74(224)
	4166-31(224)		

PART NO:	ENG NO:	PART NO:	ENG NO:
08-58-0611	4166-1(501)	08-58-0633	4166-33(501)
	4166-2(501)	08-58-0634	4166-34(501)
08-58-0613	4166-3(501)	08-58-0635	4166-35(501)
	4166-4(501)		4166-38(501)
	4166-5(501)		4166-39(501)
	4166-7(501)	08-58-0641	4166-41(501)
08-58-0668	4166-8(501)		4166-42(501)
	4166-9(501)	08-58-0643	4166-43(501)
	4166-10(501)		4166-46(501)
	4166-11(501)		4166-47(501)
08-58-0612	4166-12(501)		4166-58(501)
	4166-15(501)		4166-60(501)
08-58-0614	4166-17(501)		4166-64(501)
08-58-0608	4166-18(501)		4166-65(501)
08-58-0646	4166-20(501)		4166-66(501)
08-58-0688	4166-22(501)		4166-67(501)
	4166-25(501)		4166-68(501)
	4166-27(501)		4166-69(501)
08-58-0630	4166-30(501)	08-58-0674	4166-74(501)
08-58-0631	4166-31(501)		

REV: AJ	SEE SHEET 1	TITLE: KK .025 SQ PIN		SHEET No. - 5 -
DOCUMENT NUMBER: SD- 4166-001		CREATED / REVISED BY: SCHAFER	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC				

PART NO:	ENG NO:	PART NO:	ENG NO:
	4166-1(503)		4166-33(503)
08-58-0622	4166-2(503)	08-58-0690	4166-34(503)
	4166-3(503)	08-58-0636	4166-35(503)
	4166-4(503)		4166-38(503)
08-58-0605	4166-5(503)		4166-39(503)
08-58-0607	4166-7(503)		4166-41(503)
08-58-0658	4166-8(503)		4166-42(503)
	4166-9(503)		4166-43(503)
	4166-10(503)		4166-46(503)
	4166-11(503)		4166-47(503)
	4166-12(503)		4166-58(503)
	4166-15(503)		4166-60(503)
08-58-0617	4166-17(503)		4166-64(503)
08-58-0618	4166-18(503)		4166-65(503)
	4166-20(503)		4166-66(503)
	4166-22(503)		4166-67(503)
08-58-0625	4166-25(503)		4166-68(503)
	4166-27(503)		4166-69(503)
	4166-30(503)		4166-74(503)
	4166-31(503)		

PART NO:	ENG NO:	PART NO:	ENG NO:
	4166-1(505)		4166-33(505)
08-58-0652	4166-2(505)		4166-34(505)
	4166-3(505)		4166-35(505)
	4166-4(505)		4166-38(505)
	4166-5(505)		4166-39(505)
	4166-7(505)		4166-41(505)
	4166-8(505)		4166-42(505)
	4166-9(505)		4166-43(505)
	4166-10(505)		4166-46(505)
	4166-11(505)		4166-47(505)
	4166-12(505)		4166-58(505)
	4166-15(505)		4166-60(505)
	4166-17(505)		4166-64(505)
	4166-18(505)		4166-65(505)
	4166-20(505)		4166-66(505)
	4166-22(505)		4166-67(505)
	4166-25(505)		4166-68(505)
	4166-27(505)		4166-69(505)
	4166-30(505)		4166-74(505)
	4166-31(505)		

REV: AJ	SEE SHEET 1	TITLE: KK .025 SQ PIN	SHEET No. - 6 -
DOCUMENT NUMBER: SD- 4166-001	CREATED / REVISED BY: SCHAFER	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS

PART NO:	ENG NO:	PART NO:	ENG NO:
	4166-1(516)	08-58-0653	4166-33(516)
	4166-2(516)		4166-34(516)
	4166-3(516)	08-58-0682	4166-35(516)
	4166-4(516)		4166-38(516)
08-58-0655	4166-5(516)		4166-39(516)
	4166-7(516)		4166-41(516)
	4166-8(516)		4166-42(516)
	4166-9(516)		4166-43(516)
	4166-10(516)		4166-46(516)
	4166-11(516)		4166-47(516)
	4166-12(516)		4166-58(516)
	4166-15(516)		4166-60(516)
	4166-17(516)		4166-64(516)
	4166-18(516)		4166-65(516)
	4166-20(516)		4166-66(516)
	4166-22(516)		4166-67(516)
	4166-25(516)		4166-68(516)
	4166-27(516)		4166-69(516)
08-58-0654	4166-30(516)		4166-74(516)
	4166-31(516)		

PART NO:	ENG NO:	PART NO:	ENG NO:
	4166-1(518)		4166-33(518)
	4166-2(518)		4166-34(518)
	4166-3(518)		4166-35(518)
	4166-4(518)		4166-38(518)
08-58-0626	4166-5(518)		4166-39(518)
08-58-0627	4166-7(518)		4166-41(518)
	4166-8(518)		4166-42(518)
	4166-9(518)		4166-43(518)
	4166-10(518)		4166-46(518)
	4166-11(518)		4166-47(518)
	4166-12(518)		4166-58(518)
	4166-15(518)		4166-60(518)
08-58-0637	4166-17(518)		4166-64(518)
	4166-18(518)		4166-65(518)
	4166-20(518)		4166-66(518)
	4166-22(518)		4166-67(518)
08-58-0645	4166-25(518)		4166-68(518)
	4166-27(518)		4166-69(518)
	4166-30(518)		4166-74(518)
	4166-31(518)		

REV: AJ	SEE SHEET 1	TITLE: KK .025 SQ PIN	SHEET No. - 7 -
DOCUMENT NUMBER: SD- 4166-001	CREATED / REVISED BY: SCHAFER	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS

PART NO:	ENG NO:	PART NO:	ENG NO:
	4166-1(531)		4166-33(531)
	4166-2(531)		4166-34(531)
	4166-3(531)		4166-35(531)
	4166-4(531)	08-58-0838	4166-38(531)
	4166-5(531)		4166-39(531)
08-58-0687	4166-7(531)		4166-41(531)
	4166-8(531)		4166-42(531)
	4166-9(531)		4166-43(531)
	4166-10(531)		4166-46(531)
08-58-0811	4166-11(531)		4166-47(531)
	4166-12(531)		4166-58(531)
	4166-15(531)		4166-60(531)
	4166-17(531)		4166-64(531)
	4166-18(531)		4166-65(531)
	4166-20(531)	08-58-0676	4166-66(531)
08-58-0689	4166-22(531)		4166-67(531)
	4166-25(531)		4166-68(531)
	4166-27(531)		4166-69(531)
	4166-30(531)		4166-74(531)
	4166-31(531)		

REV: AJ	SEE SHEET 1	TITLE: KK .025 SQ PIN	SHEET No. - 8 -
DOCUMENT NUMBER: SD- 4166-001	CREATED / REVISED BY: SCHAFER	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS

Mouser Electronics

Authorized Distributor

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Molex:

08-58-0668