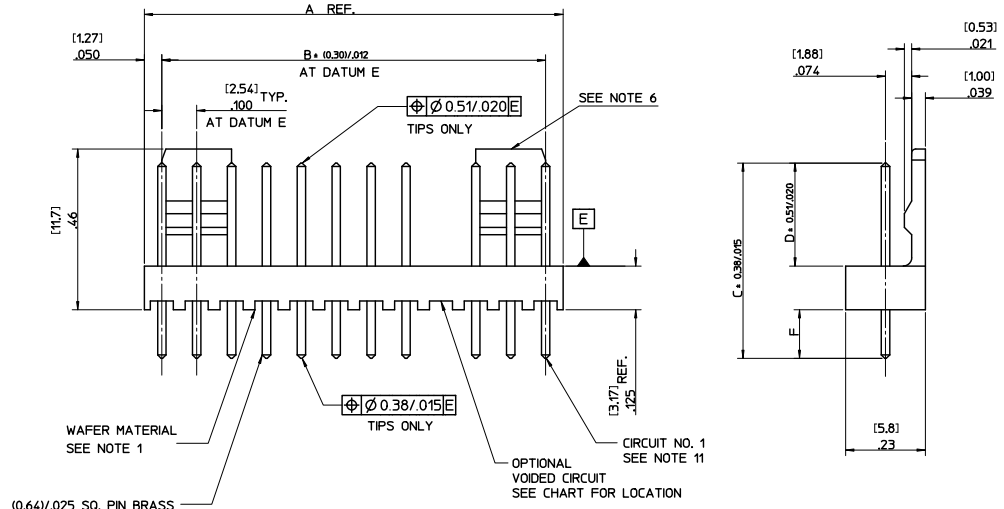
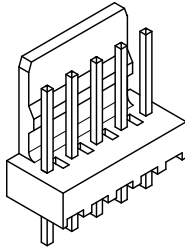


| NO. OF CCTS | DIMN. 'A' | DIMN. 'B' |
|-------------|-------------------|-------------------|
| 2 | (5.08) .200 | (2.54) .100 |
| 3 | (7.62) .300 | (5.08) .200 |
| 4 | (10.16) .400 | (7.62) .300 |
| 5 | (12.70) .500 | (10.16) .400 |
| 6 | (15.24) .600 | (12.70) .500 |
| 7 | (17.78) .700 | (15.24) .600 |
| 8 | (20.32) .800 | (17.78) .700 |
| 9 | (22.86) .900 | (20.32) .800 |
| 10 | (25.40) 1.000 | (22.86) .900 |
| 11 | (27.94) 1.100 | (25.40) 1.000 |
| 12 | (30.48) 1.200 | (27.94) 1.100 |
| 13 | (33.02) 1.300 | (30.48) 1.200 |
| 14 | (35.56) 1.400 | (33.02) 1.300 |
| 15 | (38.10) 1.500 | (35.56) 1.400 |
| 16 | (40.64) 1.600 | (38.10) 1.500 |
| 17 | (43.18) 1.700 | (40.64) 1.600 |
| 18 | (45.72) 1.800 | (43.18) 1.700 |
| 19 | (48.26) 1.900 | (45.72) 1.800 |
| 20 | (50.80) 2.000 | (48.26) 1.900 |
| 21 | (53.34) 2.100 | (50.80) 2.000 |
| 22 | (55.88) 2.200 | (53.34) 2.100 |
| 23 | (58.42) 2.300 | (55.88) 2.200 |
| 24 | (60.96) 2.400 | (58.42) 2.300 |
| 25 | (63.50) 2.500 | (60.96) 2.400 |
| 26 | (66.04) 2.600 | (63.50) 2.500 |
| 27 | (68.58) 2.700 | (66.04) 2.600 |
| 28 | (71.12) 2.800 | (68.58) 2.700 |



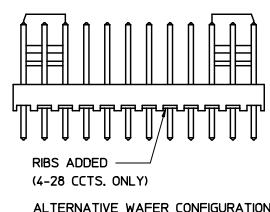
AE-6410- N * (*) - *

NO. OF CCTS

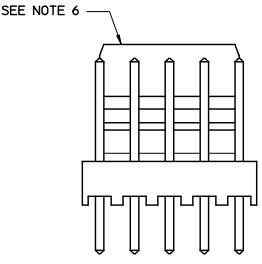
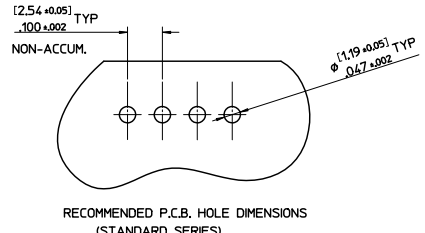
WAFFER ASSY. OPTION

VOIDED CIRCUIT CODE NO. CORRESPONDS TO CIRCUIT NO. VOIDED. MULTIPLE VOIDS START WITH 51
BLANK = NONE

PLATING TYPE



- NOTES:
1. WAFFER MATERIAL: NYLON. UL94V-0. PIN MATERIAL: BRASS
 2. FINISH:
102 = OVERALL TIN: 0.00508/0.00200 MIN. OVER 0.00254/0.00100 MIN. COPPER
154 = OVERALL TIN: 0.00254/0.0100 MIN. OVER 0.00127/0.00050 MIN. NICKEL
501 = OVERALL GOLD: 0.00051/0.00020 MIN. OVER 0.00076/0.00030 MIN. NICKEL
503 = OVERALL GOLD: 0.00076/0.00030 MIN. OVER 0.00127/0.00050 MIN. NICKEL
509 = OVERALL GOLD: 0.00127/0.00050 MIN. OVER 0.00076/0.00030 MIN. NICKEL
516 = OVERALL GOLD: 0.00025/0.00010 MIN. OVER 0.00076/0.00030 MIN. NICKEL
 3. THIS PART CONFORMS TO MOLEX PROD. SPEC. PS-99020-0088.
 4. PACKAGING: PER PK-6373-001
 5. PIN SOLDERABILITY PER MOLEX SPEC. SMES-152
 6. SINGLE RAMP ON 2-6 CCTS TWO RAMP ON 7-28 CCTS. AS SHOWN.
 7. PIN PUSH OUT FORCE: (0.907 kg)/2lbs MIN.
 8. PCB THICKNESS 1.6MM
 9. WAFERS STACKABLE END TO END WITH (2.54)/.100 BETWEEN END PINS
 10. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
 11. CIRCUIT 1 DESIGNATION IS USED TO DEFINE VOID LOCATION. CIRCUIT 1 MAY OR MAY NOT LINE UP WITH CIRCUIT 1 ON THE MATING HOUSING.



| ADD/REVISE NOTES | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-----------------------------------|-----------------|---------------------------------------|------|--|--------------|-----------------------|--------------|------------------------|
| | | mm | INCH | MM/IN | 5:1 | METRIC | ⊕ | |
| DEC. NO. UCP-2010-2318 2010/07/06 | ▽=0 | 4 PLACES ± --- ± --- | | DRAWN BY | DATE | TITLE | | |
| DRW:WHLIPPER 2010/07/07 | ▽=0 | 3 PLACES ± --- ± .010 | | T. MAHON | 28/01/03 | WAFFER, FRICTION LOCK | | |
| CHKD:SSOUSEK 2010/07/07 | | 2 PLACES ± 0.25 ± .014 | | CHECKED BY | DATE | KK (2.54)/.100 FOR | | |
| APPR:ESMITH 2010/07/07 | | 1 PLACE ± 0.35 ± --- | | B MAGUIRE | 28/01/03 | (0.64)/.025 SQ. PINS | | |
| | | ANGULAR ± 5 ° | | APPROVED BY | DATE | MOLEX INCORPORATED | | |
| | | | | J DENNEHY | 2005/03/11 | | | |
| | | | | MATERIAL NO. | DOCUMENT NO. | | | |
| | | | | | SDAE-6410-N | | | |
| | | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SEE CHART | | | |
| | | | | | | | | |

| ENG. NO. | AE-6410-NA (501) | AE-6410-NA (516) | AE-6410-NK (516) | AE-6410-NC (501) | AE-6410-NA (509) | AE-6410-NS (501) | AE-6410-NA (503) | | | | | | | |
|-----------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------|----------------|------------|----------------|----------------|------------|------|
| DIMN. "D" | (7.50 ±0.25) 295 ±0.00 | (7.50 ±0.25) 295 ±0.00 | (9.22) .363 REF | (7.14 ±0.25) .281 ±0.00 | (7.50 ±0.25) 295 ±0.00 | (7.50 ±0.25) 295 ±0.00 | (7.50 ±0.25) 295 ±0.00 | | | | | | | |
| DIMN. "C" | (14.22) / .560 | (14.22) / .560 | (15.88) / .625 | (20.32) / .800 | (14.22) / .560 | (16.51) / .649 | (14.22) / .560 | | | | | | | |
| DIMN. "F" | (3.56) / .140 REF | (3.56) / .140 REF | (3.48 ±0.25) .137 ±0.00 | (10.00) / .394 REF | (3.56) / .140 REF | (5.84) / .230 REF | (3.56) / .140 REF | | | | | | | |
| PLATING | 501 | 516 | 516 | 501 | 509 | 501 | 503 | | | | | | | |
| 2 | AE-6410-24A509 | 22-29-2021 | AE-6410-24A516 | 22-29-2022 | AE-6410-24A509 | 38-00-0932 | AE-6410-24A509 | NOT TOOLED | AE-6410-24A509 | 38-00-7250 | NOT TOOLED | AE-6410-24A509 | 38-00-7062 | |
| 3 | 3 A(501) | 2031 | 3 A(516) | 2032 | 3 K(516) | 0933 | 3 C(501) | 38-00-5909 | 3 A(509) | NOT TOOLED | 3 A(503) | 7063 | | |
| 4 | 4 A(501) | 2041 | 4 A(516) | 2042 | 4 K(516) | 0934 | 4 C(501) | NOT TOOLED | 4 A(509) | 38-00-7251 | AE-6410-24A509 | 38-00-7666 | 4 A | 7064 |
| 5 | 5 A(501) | 2051 | 5 A(516) | 2052 | 5 K(516) | 0935 | 5 C(501) | ↑ | 5 A(509) | NOT TOOLED | NOT TOOLED | 5 A | 7065 | |
| 6 | 6 A(501) | 2061 | 6 A(516) | 2062 | 6 K(516) | 0936 | 6 C(501) | ↑ | 6 A(509) | ↑ | 6 S(501) | 38-00-7667 | 6 A | 7066 |
| 7 | 7 A(501) | 2071 | 7 A(516) | 2072 | 7 K(516) | 0937 | 7 C(501) | ↑ | 7 A(509) | ↑ | NOT TOOLED | 7 A | 7067 | |
| 8 | 8 A(501) | 2081 | 8 A(516) | 2082 | 8 K(516) | 0938 | 8 C(501) | ↑ | 8 A(509) | ↑ | ↑ | 8 A | 38-00-7068 | |
| 9 | 9 A(501) | 2091 | 9 A(516) | 2092 | 9 K(516) | 0939 | 9 C(501) | ↑ | 9 A(509) | ↑ | ↑ | 9 A | NOT TOOLED | |
| 10 | 10 A(501) | 2101 | 10 A(516) | 2102 | 10 K(516) | 0940 | 10 C(501) | ↑ | 10 A(509) | ↑ | ↑ | 10 A | NOT TOOLED | |
| 11 | 11 A(501) | 2111 | 11 A(516) | 2112 | 11 K(516) | 0941 | 11 C(501) | ↑ | 11 A(509) | ↑ | ↑ | 11 A | NOT TOOLED | |
| 12 | 12 A(501) | 2121 | 12 A(516) | 2122 | 12 K(516) | 0942 | 12 C(501) | ↑ | 12 A(509) | ↑ | ↑ | 12 A | 38-00-7072 | |
| 13 | 13 A(501) | 2131 | 13 A(516) | 2132 | 13 K(516) | 0943 | 13 C(501) | ↑ | 13 A(509) | ↑ | ↑ | 13 A | NOT TOOLED | |
| 14 | 14 A(501) | 2141 | 14 A(516) | 2142 | 14 K(516) | 0944 | 14 C(501) | ↑ | 14 A(509) | ↑ | ↑ | 14 A | 38-00-7074 | |
| 15 | 15 A(501) | 2151 | 15 A(516) | 2152 | 15 K(516) | 0945 | 15 C(501) | ↑ | 15 A(509) | ↑ | ↑ | 15 A | NOT TOOLED | |
| 16 | 16 A(501) | 2161 | 16 A(516) | 2162 | 16 K(516) | 0946 | 16 C(501) | ↑ | 16 A(509) | ↑ | ↑ | 16 A | ↑ | |
| 17 | 17 A(501) | 2171 | 17 A(516) | 2172 | 17 K(516) | 0947 | 17 C(501) | ↑ | 17 A(509) | ↑ | ↑ | 17 A | ↑ | |
| 18 | 18 A(501) | 2181 | 18 A(516) | 2182 | 18 K(516) | 0948 | 18 C(501) | ↑ | 18 A(509) | ↑ | ↑ | 18 A | ↑ | |
| 19 | 19 A(501) | 2191 | 19 A(516) | 2192 | 19 K(516) | 0949 | 19 C(501) | ↑ | 19 A(509) | ↑ | ↑ | 19 A | NOT TOOLED | |
| 20 | 20 A(501) | 2201 | 20 A(516) | 2202 | 20 K(516) | 0950 | 20 C(501) | ↑ | 20 A(509) | ↑ | ↑ | 20 A | 38-00-7080 | |
| 21 | 21 A(501) | 2211 | 21 A(516) | 2212 | 21 K(516) | 0951 | 21 C(501) | ↑ | 21 A(509) | ↑ | ↑ | 21 A | NOT TOOLED | |
| 22 | 22 A(501) | 2221 | 22 A(516) | 2222 | 22 K(516) | 0952 | 22 C(501) | ↑ | 22 A(509) | ↑ | ↑ | 22 A | NOT TOOLED | |
| 23 | 23 A(501) | 2231 | 23 A(516) | 2232 | 23 K(516) | 0953 | 23 C(501) | ↑ | 23 A(509) | ↑ | ↑ | 23 A | NOT TOOLED | |
| 24 | 24 A(501) | 2241 | 24 A(516) | 2242 | 24 K(516) | 0954 | 24 C(501) | ↑ | 24 A(509) | ↑ | ↑ | 24 A | 38-00-0441 | |
| 25 | 25 A(501) | 2251 | 25 A(516) | 2252 | 25 K(516) | 0955 | 25 C(501) | ↑ | 25 A(509) | ↑ | ↑ | 25 A | NOT TOOLED | |
| 26 | 26 A(501) | 2261 | 26 A(516) | 2262 | 26 K(516) | 0956 | 26 C(501) | ↑ | 26 A(509) | ↑ | ↑ | 26 A | ↑ | |
| 27 | 27 A(501) | 2271 | 27 A(516) | 2272 | 27 K(516) | 0957 | 27 C(501) | ↑ | 27 A(509) | ↑ | ↑ | 27 A(503) | ↑ | |
| 28 | AE-6410-24A509 | 22-29-2281 | AE-6410-24A516 | 22-29-2282 | AE-6410-24A516 | 38-00-0958 | AE-6410-24A509 | NOT TOOLED | AE-6410-24A509 | NOT TOOLED | NOT TOOLED | AE-6410-24A509 | NOT TOOLED | |

| | | | | | | | | | |
|---|-------------------------------|---------------------------------------|--|---|--|---------------------|--------------|--|--|
| REMOVE PLATING DIM LEC NO: UCP 2010-2318 2010/07/06 DRAWN BY: PIPPER 2010/07/07 CHKD: SMOUSEK 2010/07/07 APPR: SMITH 2010/07/07 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | | | | MM/IN | | 4:1 | METRIC | | |
| | | 4 PLACES ± --- ± --- | | DRAWN BY T. MAHON | | DATE 28/01/03 | | TITLE | |
| | | 3 PLACES ± --- ± .010 | | CHECKED BY BMAGUIRE | | DATE 28/01/03 | | WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS | |
| 2 PLACES ± 0.25 ± .014 | | APPROVED BY JDENNEHY | | DATE 2005/03/11 | | MOLEX INCORPORATED | | | |
| 1 PLACE ± 0.35 ± --- | | ANGULAR ± .5 ° | | MATERIAL NO. | | DOCUMENT NO. | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | SDAE-6410-N | | SHEET NO. 3 OF 4 | | | |
| | | SIZE A | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |

10 9 8 7 6 5 4 3 2 1

VOIDED CIRCUIT OPTION

| PART No. | ENG No. | CKT SIZE | VOID LOCATION | DIM D | DIM F (REF) | PLATING |
|------------|-------------------|----------|---------------|-------------|-------------|---------|
| 38-00-7222 | AE-6410-3A(102)-2 | 3 | 2 | (7.50)/.295 | (3.56)/.140 | 102 |
| 38-00-4749 | -4A(102)-3 | 4 | 3 | (7.50)/.295 | (3.56)/.140 | 102 |
| 38-00-0611 | -5A(102)-3 | 5 | 3 | (7.50)/.295 | (3.56)/.140 | 102 |
| 38-00-0089 | -6A(102)-3 | 6 | 3 | (7.50)/.295 | (3.56)/.140 | 102 |
| 38-00-0090 | -6A(102)-51 | 6 | 3,4,5 | (7.50)/.295 | (3.56)/.140 | 102 |
| 38-00-5370 | -15A(102)-02 | 15 | 2 | (7.50)/.295 | (3.56)/.140 | 102 |
| 38-00-5371 | -19A(102)-12 | 19 | 12 | (7.50)/.295 | (3.56)/.140 | 102 |
| 38-00-7688 | -12A(102)-09 | 12 | 9 | (7.50)/.295 | (3.56)/.140 | 102 |

| CORRECT ENG. NO. DEC NO: UCP2010-2318 DRW:MM/PPR 2010/07/06 CHK:SSOUSEK 2010/07/07 APPR:F.SMITH 2010/07/07 REV BB1 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0004</td> </tr> <tr> <td>3 PLACES</td> <td>± .010</td> <td>± .0008</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .010</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.35</td> <td>± .014</td> </tr> <tr> <td colspan="3" style="text-align: center;">ANGULAR ± .5 °</td> </tr> </table> | | mm | INCH | 4 PLACES | ± .005 | ± .0004 | 3 PLACES | ± .010 | ± .0008 | 2 PLACES | ± 0.25 | ± .010 | 1 PLACE | ± 0.35 | ± .014 | ANGULAR ± .5 ° | | | DIMENSION STYLE MM/IN DRAWN BY T. MAHON DATE 28/01/03 CHECKED BY BMAGUIRE DATE 28/01/03 APPROVED BY JDENNEHY DATE 2005/03/11 | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | TITLE WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS |
|---|-------------------------------|---|---------------------------|------------------------|------|-----------------------------|---------------------|---------|----------|--------|---------|----------|--------|--------|---------|--------|--------|----------------|--|--|--|--------------|------------------------|----------------------------|---|
| | | mm | INCH | | | | | | | | | | | | | | | | | | | | | | |
| | 4 PLACES | ± .005 | ± .0004 | | | | | | | | | | | | | | | | | | | | | | |
| | 3 PLACES | ± .010 | ± .0008 | | | | | | | | | | | | | | | | | | | | | | |
| 2 PLACES | ± 0.25 | ± .010 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ± 0.35 | ± .014 | | | | | | | | | | | | | | | | | | | | | | | |
| ANGULAR ± .5 ° | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | MATERIAL NO. SEE TABLE | MOLEX INCORPORATED | | DOCUMENT NO. SDAE-6410-N | SHEET NO. 4 OF 4 | | | | | | | | | | | | | | | | | | |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIZE A3 | | | | | | | | | | | | | | | | | | | | | | | | | |

9 8 7 6 5 4 3 2 1