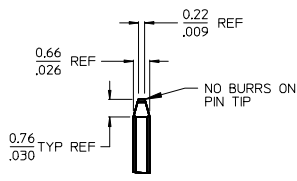
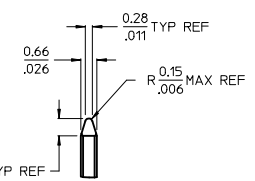


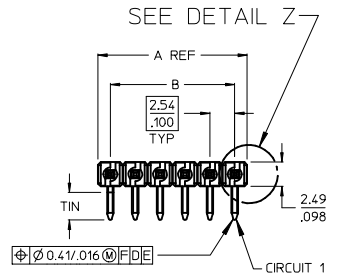
| NO. CKTS | DIM. A | DIM. B |
|----------|--------|--------|
| 2 | 5.08 | 2.54 |
| 3 | 7.62 | 5.08 |
| 4 | 10.16 | 7.62 |
| 5 | 12.70 | 10.16 |
| 6 | 15.24 | 12.70 |
| 7 | 17.78 | 15.24 |
| 8 | 20.32 | 17.78 |
| 9 | 22.86 | 20.32 |
| 10 | 25.40 | 22.86 |
| 11 | 27.94 | 25.40 |
| 12 | 30.48 | 27.94 |
| 13 | 33.02 | 30.48 |
| 14 | 35.56 | 33.02 |
| 15 | 38.10 | 35.56 |
| 16 | 40.64 | 38.10 |
| 17 | 43.18 | 40.64 |
| 18 | 45.72 | 43.18 |
| 19 | 48.26 | 45.72 |
| 20 | 50.80 | 48.26 |
| 21 | 53.34 | 50.80 |
| 22 | 55.88 | 53.34 |
| 23 | 58.42 | 55.88 |
| 24 | 60.96 | 58.42 |
| 25 | 63.50 | 60.96 |
| 26 | 66.04 | 63.50 |
| 27 | 68.58 | 66.04 |
| 28 | 71.12 | 68.58 |
| 29 | 73.66 | 71.12 |
| 30 | 76.20 | 73.66 |
| 31 | 78.74 | 76.20 |
| 32 | 81.28 | 78.74 |
| 33 | 83.82 | 81.28 |
| 34 | 86.36 | 83.82 |
| 35 | 88.90 | 86.36 |
| 36 | 91.44 | 88.90 |



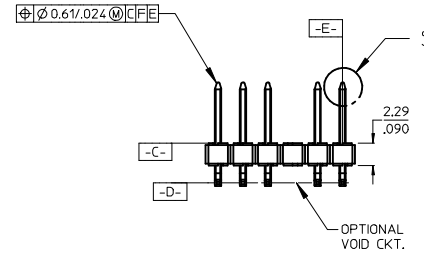
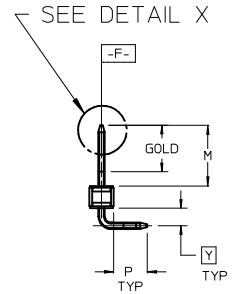
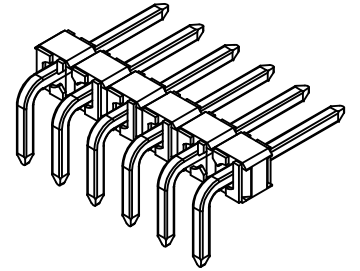
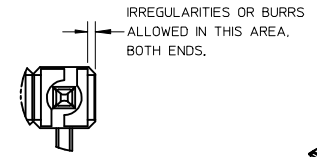
DETAIL X
SCALE 5:1
SEE NOTE 10



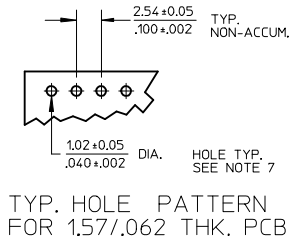
DETAIL Y
SCALE 5:1
SEE NOTE 10



DETAIL Z
SCALE 5:1



- NOTES:
- MATERIAL: GLASS FILLED HIGH TEMP. NYLON UL94V-0, COLOR: BLACK
 - FINISH: (197) OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN. OVER 0.00127/.000050 MIN. NICKEL OVERALL.
 - PRODUCT SPECIFICATION: PS 10-07.
 - PACKAGING INFORMATION: SEE TABLES
 - SOLDERABILITY PER SMES-152.
 - PIN PUSH OUT FORCE: 3 LBS. MIN
 - KINK PIN OPTION NOT RECOMMENDED FOR 2 CIRCUIT PARTS. HOLE SIZE MAY NEED TO BE ADJUSTED FOR 2 CIRCUIT PARTS WITH KINK OPTION FOR PROPER INSERTION INTO THE PCB. SEE SMES-42003 FOR ADDITIONAL INFORMATION ON KINK PIN DIRECTION AND PLACEMENT.
 - HEADERS ARE NOT STACKABLE ON 2.54/.100 CENTERS.
 - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
 - PIN TIP DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. DIMENSIONS APPLY PRIOR TO PLATING OR ASSEMBLY.
 - PARTS ARE CAPABLE OF 260°C REFLOW SOLDER PROCESS. PARTS ARE CAPABLE OF 260°C REFLOW SOLDER PROCESS BUT MAY REQUIRE DRYING PRIOR TO SOLDERING OPERATION.



| ADD 42377-1987 EC NO: UCP2016-0882 DRW:MKIPPER 2015/08/26 CHKD:NGUYEN 2015/08/26 APPR:FSMITH 2015/09/28 | QUALITY SYMBOLS $\nabla = 0$ $\nabla = 0$ $\nabla = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE 2:1 | DESIGN UNITS INCH | THIRD ANGLE PROJECTION | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|-------|---|----|---------------------|-----------------------------|------------------------|-------|----------|-------|--------|----------|--------|--------|---------|--------|-------|---------|---|---|-------------------------------------|--|---|--|----------------------------------|--|-------------------------------------|----------------------------|
| | | <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .015</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.38</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>±</td> <td>±</td> </tr> </tbody> </table> | | | mm | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± .010 | 2 PLACES | ± 0.25 | ± .015 | 1 PLACE | ± 0.38 | ± --- | 0 PLACE | ± | ± | DRAWN BY DATE MKIPPER 2011/02/16 | | TITLE KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY | | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-42377-003 | SHEET NO. 1 OF 5 |
| | | | mm | INCH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4 PLACES | ± --- | ± --- | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 PLACES | ± --- | ± .010 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 PLACES | ± 0.25 | ± .015 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ± 0.38 | ± --- | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 PLACE | ± | ± | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | APPROVED BY DATE FSMITH 2012/05/14 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6 | REV | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

10 9 8 7 6 5 4 3 2 1

| A-42377-1496 | |
|-------------------|------------------------|
| FINISH: | 197 |
| MATING LENGTH: M | 10.95/.431 REF |
| GOLD POINT: G | N/A |
| PIN HEIGHT: Y | 1.52/.060 |
| PC TAIL LENGTH: P | 2.20±0.64 .087±.025 |
| TIN: T | OVERALL |
| CIRCUITS: | 2-36 |
| KINKS: | NONE |
| VOIDED CKTS: | NONE |
| PACKAGING: | BULK PK-40873-0041 |
| CKTS | MATERIAL NUMBER |
| 02 | 42377-1496 |

| A-42377-1532 | |
|-------------------|------------------------|
| FINISH: | 197 |
| MATING LENGTH: M | 9.55/.376 REF |
| GOLD POINT: G | N/A |
| PIN HEIGHT: Y | 1.52/.060 |
| PC TAIL LENGTH: P | 2.20±0.64 .087±.025 |
| TIN: T | OVERALL |
| CIRCUITS: | 2-36 |
| KINKS: | NONE |
| VOIDED CKTS: | NONE |
| PACKAGING: | BULK PK-40873-0041 |
| CKTS | MATERIAL NUMBER |
| 03 | 42377-1532 |

| A-42377-1638 | |
|-------------------|-------------------------|
| FINISH: | 197 |
| MATING LENGTH: M | 12.75±0.38 .502±.015 |
| GOLD POINT: G | N/A |
| PIN HEIGHT: Y | 1.78/.070 |
| PC TAIL LENGTH: P | 3.10/.122 REF. |
| TIN: T | OVERALL |
| CIRCUITS: | 2-36 |
| KINKS: | NONE |
| VOIDED CKTS: | NONE |
| PACKAGING: | BULK PK-40873-0041 |
| CKTS | MATERIAL NUMBER |
| 04 | 42377-1638 |

| | | | | | | |
|--|----------------------|--|--------------------|-------|--------------|--|
| SEE SHEET 1 EC NO: UCP2016-0882 DRW: MKIPPER 2015/08/26 CHK: DANGUYEN 2015/08/26 APPR: FSMITH 2015/09/28 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | ▽=0 | mm INCH | MM/IN | 2:1 | INCH | |
| | ▽=0 | 4 PLACES ± --- ± --- | DRAWN BY DATE | | | KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY |
| | ▽=0 | 3 PLACES ± --- ± .010 | MKIPPER 2011/02/16 | | | |
| | | 2 PLACES ± 0.25 ± .015 | CHECKED BY DATE | | | molex MATERIAL NO. SD-42377-003 DOCUMENT NO. SHEET NO. 2 OF 5 |
| | 1 PLACE ± 0.38 ± --- | BANDERSON 2011/02/16 | | | | |
| | 0 PLACE ± ± | APPROVED BY DATE | | | | |
| | | FSMITH 2012/05/14 | | | | |
| | | ANGULAR ±1/2° | | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SEE CHART | | | |
| | | | SIZE B | | | |

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

| A-42377-1672 | |
|-------------------|-------------------------|
| FINISH: | 197 |
| MATING LENGTH: M | 14.07±0.38 .554±.015 |
| GOLD POINT: G | N/A |
| PIN HEIGHT: Y | 1.78/.070 |
| PC TAIL LENGTH: P | 7.62/.300 REF |
| TIN: T | OVERALL |
| CIRCUITS: | 2-36 |
| KINKS: | NONE |
| VOIDED CKTS: | NONE |
| PACKAGING: | BULK PK-40873-0041 |
| CKTS | MATERIAL NUMBER |
| 03 | 42377-1672 |

| A-42377-1708/1710 | |
|-------------------|-------------------------|
| FINISH: | 197 |
| MATING LENGTH: M | 16.61±0.38 .654±.015 |
| GOLD POINT: G | N/A |
| PIN HEIGHT: Y | 1.78/.070 |
| PC TAIL LENGTH: P | 7.62/.300 REF |
| TIN: T | OVERALL |
| CIRCUITS: | 2-36 |
| KINKS: | NONE |
| VOIDED CKTS: | NONE |
| PACKAGING: | BULK PK-40873-0041 |
| CKTS | MATERIAL NUMBER |
| 04 | 42377-1708 |
| 05 | 42377-1709 |
| 06 | 42377-1710 |

| A-42377-1741 | |
|-------------------|-------------------------|
| FINISH: | 197 |
| MATING LENGTH: M | 14.00±0.38 .551±.015 |
| GOLD POINT: G | N/A |
| PIN HEIGHT: Y | 1.78/.070 |
| PC TAIL LENGTH: P | 1.85/.073 REF |
| TIN: T | OVERALL |
| CIRCUITS: | 2-36 |
| KINKS: | NONE |
| VOIDED CKTS: | NONE |
| PACKAGING: | BULK PK-40873-0041 |
| CKTS | MATERIAL NUMBER |
| 02 | 42377-1741 |

| | | | | | | | | |
|---|--------------------|--|---|------------------------------|---------------------|--------------|---|--|
| SEE SHEET 1 EC NO: UCP2016-0882 DRAWN: MKIPPER 2015/08/26 CHKD: NGUYEN 2015/08/26 APPR: FSMITH 2015/09/28 | DESCRIPTION REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | | $\nabla F/0$ $\nabla E/0$ $\nabla F/0$ | mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ± | MM/IN | 2:1 | INCH | DRAWN BY DATE MKIPPER 2011/02/16 CHECKED BY DATE BANDERSON 2011/02/16 APPROVED BY DATE FSMITH 2012/05/14 | TITLE KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY |
| | | ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. SEE CHART | DOCUMENT NO. SD-42377-003 | SHEET NO. 3 OF 5 | | | |
| | | 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

| A-42377-1812 | |
|-------------------|------------------------|
| FINISH: | 197 |
| MATING LENGTH: M | 5.11±0.38 .201±.015 |
| GOLD POINT: G | N/A |
| PIN HEIGHT: Y | 1.78/.070 |
| PC TAIL LENGTH: P | 1.85/.073 REF |
| TIN: T | OVERALL |
| CIRCUITS: | 2-36 |
| KINKS: | NONE |
| VOIDED CKTS: | 2 |
| PACKAGING: | BULK PK-40873-0041 |
| CKTS | MATERIAL NUMBER |
| 03 | 42377-1812 |

| A-42377-1848 | |
|-------------------|------------------------|
| FINISH: | 197 |
| MATING LENGTH: M | 5.11±0.38 .201±.015 |
| GOLD POINT: G | N/A |
| PIN HEIGHT: Y | 1.78/.070 |
| PC TAIL LENGTH: P | 1.85/.073 REF |
| TIN: T | OVERALL |
| CIRCUITS: | 3-36 |
| KINKS: | NONE |
| VOIDED CKTS: | 2, 3 |
| PACKAGING: | BULK PK-40873-0041 |
| CKTS | MATERIAL NUMBER |
| 04 | 42377-1848 |

| A-42377-1883/1935 | | |
|-------------------|------------------------|-------------|
| FINISH: | 197 | |
| MATING LENGTH: M | 3.91±0.38 .154±.015 | |
| GOLD POINT: G | N/A | |
| PIN HEIGHT: Y | 1.78/.070 | |
| PC TAIL LENGTH: P | 3.05/.120 REF | |
| TIN: T | OVERALL | |
| CIRCUITS: | 11-36 | |
| KINKS: | NONE | |
| VOIDED CKTS: | SEE BELOW | |
| PACKAGING: | BULK PK-40873-0041 | |
| CKTS | MATERIAL NUMBER | VOIDED CKTS |
| 13 | 42377-1883 | 11 |
| 13 | 42377-1910 | 10 |
| 13 | 42377-1935 | 12 |

| | | | | | | | |
|---|-----------------------|--|---|--|-----------|--------------|--|
| SEE SHEET 1 EC NO: UCP2016-0882 DRAWN: MKIPPER 2015/08/26 CHKD: NGUYEN 2015/08/26 APPR: FSMITH 2015/09/28 | REV DESCRIPTION A6 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | | $\nabla F/0$ $\nabla E/0$ $\nabla F/0$ | mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ± | MM/IN | 2:1 | INCH | KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY molex DOCUMENT NO. SD-42377-003 SHEET NO. 4 OF 5 |
| | | ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRAWN BY DATE MKIPPER 2011/02/16 CHECKED BY DATE BANDERSON 2011/02/16 APPROVED BY DATE FSMITH 2012/05/14 | MATERIAL NO. | SEE CHART | | |
| | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | SIZE B | 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

| A-42377-1961 | | |
|-------------------|------------------------|-------------|
| FINISH: | 197 | |
| MATING LENGTH: M | 5.23±0.38 .206±.015 | |
| GOLD POINT: G | N/A | |
| PIN HEIGHT: Y | 1.78/.070 | |
| PC TAIL LENGTH: P | 3.51/.138 REF | |
| TIN: T | OVERALL | |
| CIRCUITS: | 11-36 | |
| KINKS: | NONE | |
| VOIDED CKTS: | SEE BELOW | |
| PACKAGING: | BULK PK-40873-0041 | |
| CKTS | MATERIAL NUMBER | VOIDED CKTS |
| 13 | 42377-1961 | 11 |
| | | |
| | | |

| A-42377-1987 | | |
|-------------------|------------------------|-------------|
| FINISH: | 197 | |
| MATING LENGTH: M | 5.20±0.38 .205±.015 | |
| GOLD POINT: G | N/A | |
| PIN HEIGHT: Y | 1.78/.070 | |
| PC TAIL LENGTH: P | 4.30/.169 REF | |
| TIN: T | OVERALL | |
| CIRCUITS: | 11-36 | |
| KINKS: | NONE | |
| VOIDED CKTS: | SEE BELOW | |
| PACKAGING: | BULK PK-40873-0041 | |
| CKTS | MATERIAL NUMBER | VOIDED CKTS |
| 13 | 42377-1987 | 11 |
| | | |
| | | |

| | | | | | | | |
|---|--------------------|---|--|---------------------------|------------------------------|---------------------|--|
| SEE SHEET 1 EC NO: UCP2016-0882 DRAWN BY: MKIPPER 2015/08/26 CHKD: NGUYEN 2015/08/26 APPR: FSMITH 2015/09/28 | DESCRIPTION REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | | $\nabla F/0$ $\nabla E/0$ $\nabla B/0$ | mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ± | MM/IN | 2:1 | INCH | TITLE KK 100 HEADER ASSEMBLY FLAT RIGHT ANGLE BREAKAWAY molex |
| | | ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRAWN BY: MKIPPER 2011/02/16 CHECKED BY: BANDERSON 2011/02/16 APPROVED BY: FSMITH 2012/05/14 | MATERIAL NO. SEE CHART | DOCUMENT NO. SD-42377-003 | SHEET NO. 5 OF 5 | |
| | | A6 | | | | | |
| 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