

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0713086412](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid® Header, Surface Mount, Dual Row, Vertical, 12 Circuits, 1.50µm (59µ") Minimum Bright Tin (Sn) Over Nickel (Ni) Plating, with 3.30mm (.130") PCB Locator Pegs

Documents:

[3D Model](#) [Product Specification PS-71308 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [71308](#)
 Application Board-to-Board, Wire-to-Board
 Product Name C-Grid®

Physical

Breakaway Yes
 Circuits (Loaded) 12
 Circuits (maximum) 12
 Color - Resin Black
 Durability (mating cycles max) 50
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part None
 Material - Metal Phosphor Bronze
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Vertical
 PCB Locator Yes
 PCB Retention Yes
 Packaging Type Tube
 Pitch - Mating Interface (in) 0.100 In
 Pitch - Mating Interface (mm) 2.54 mm
 Polarized to PCB No
 Shrouded No
 Stackable Yes
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Surface Mount

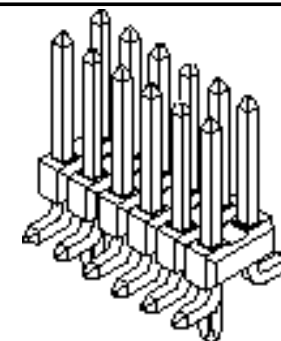
Electrical

Current - Maximum per Contact 3A
 Voltage - Maximum 250V

Solder Process Data

Duration at Max. Process Temperature (seconds) 40
 Lead-free Process Capability Reflow Capable (SMT only)
 Max. Cycles at Max. Process Temperature 3
 Process Temperature max. C 260

Material Info



*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
 Not Reviewed
**Halogen-Free
Status**
Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[71308Series](#)

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-71308, RPS-71308-001
SD-71308-001

This document was generated on 03/30/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

OPTIONAL
PICK AND PLACE CAP
SEE NOTES 4 & 9.

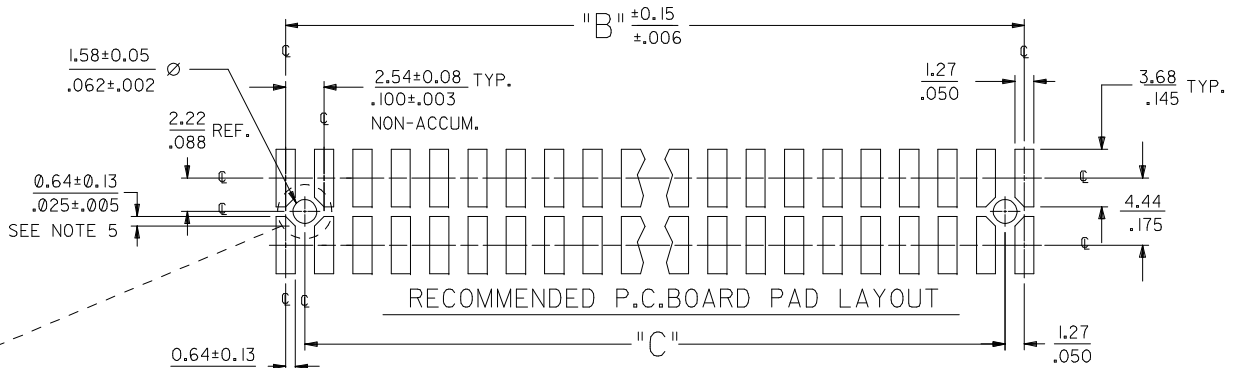


| DIM. "M" | DIM. "G" |
|--------------|---------------|
| 6.10 .240 | 10.67 .420 |
| 8.13 .320 | 12.70 .500 |

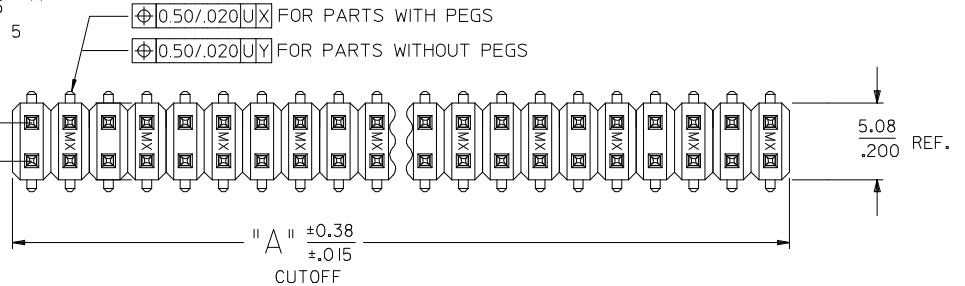
PEG OPTIONS



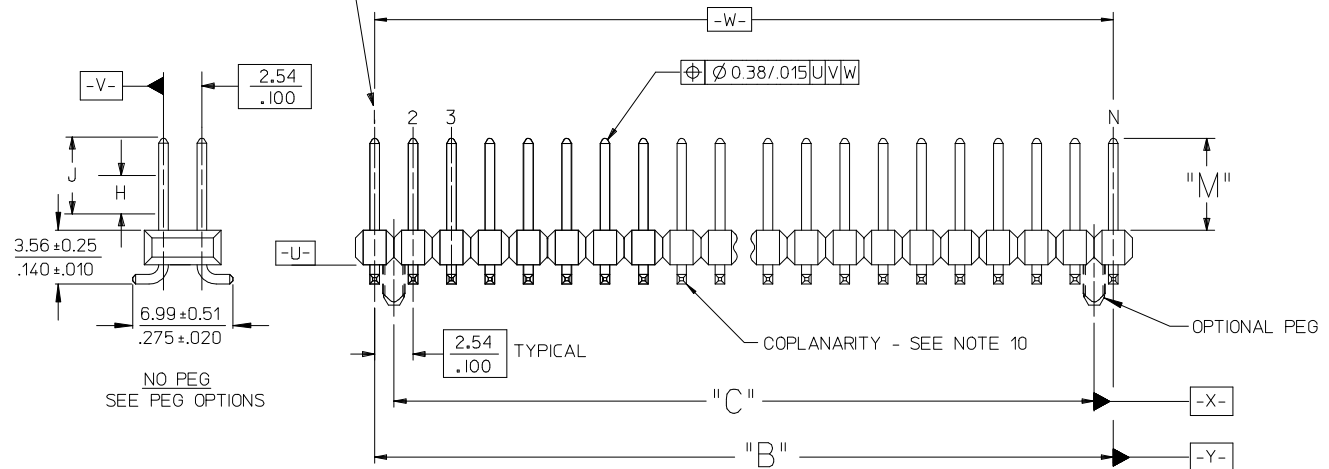
P.C. BOARD PAD LAYOUT
AT ENDS FOR NO PEG VERSION.



ROW "A"
ROW "B"



USED TO LOCATE VOIDED CIRCUITS



NOTES:

- MATERIALS: INSULATOR: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL94 V-0, COLOR: BLACK
TERMINAL: COPPER ALLOY
- FINISH:
59 TIN - 0.00150/0.00059 MINIMUM BRIGHT TIN OVER NICKEL OVERALL.
150 TIN - 0.00381/0.00150 MINIMUM BRIGHT TIN OVER NICKEL OVERALL.
15 GOLD - 0.00038/0.00015 MINIMUM GOLD IN SELECT AREA OVER 0.00191/0.00075 MINIMUM TIN IN SELECT AREA OVER NICKEL OVERALL.
30 GOLD - 0.00076/0.00030 MINIMUM GOLD IN SELECT AREA OVER 0.00191/0.00075 MINIMUM TIN IN SELECT AREA OVER NICKEL OVERALL.
50 GOLD - 0.00127/0.00050 MINIMUM GOLD IN SELECT AREA OVER 0.00254/0.00100 MINIMUM TIN IN SELECT AREA OVER NICKEL OVERALL.
* THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.
- PART TO CONFORM TO PS-71308.
- PACKAGING (SEE CHARTS):

BULK: PER PK-70873-0353
TUBES: PER PK-70873-0041.
71308-82** IN TUBES: PER PK-70873-042.
TUBES W/ VAC CAPS: PER PK-70873-0691
TAPE AND REEL W/ VAC CAPS: PER PK-70873-0805.
SEE SHEET 3 FOR TAPE & REEL PRODUCT WITH SHALLOW POCKET REQUIREMENTS.

- TYP. DIMENSIONS FOR LANDS SURROUNDING HOLES FOR RETENTION PEGS.
- PIN SOLERABILITY PER MOLEX SPEC. ES-152.
- SEE SHEETS 2-5 FOR CHARTED DIMS., PART/EDP NO'S, AND VOIDED CIRCUITS.
- PIN PUSHOUT FORCE: 3 LBS. MINIMUM.
- PICK-N-PLACE CAPS WILL BE PLACED SO THAT VACUUM PICK UP AREA WILL BE IN CENTER OF PART.
- COPLANARITY FOR CIRCUIT SIZES UP TO 40 IS 0.15 MM/0.006 INCH. FOR CIRCUIT SIZES 42 AND LARGER, CONTACT MOLEX SALES DEPARTMENT.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

| REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | | | | | |
|--|---|-----------------|--|-----------------------|------------------------|----------------------|----------------|----------------------------|------------------------------|-------------------------------|---|-----------------------------|----------------------------|------------------------------|---------------------|
| | | | mm | INCH | MM/IN | DATE | | | | | | | | | |
| K3 | 12CKT TAPE & REEL EC NO: UCP2009-2465 DRWN:KIPPER 2009/08/04 CHKD:SSOUSEK 2009/08/07 APPR:FSMITH 2009/08/10 | ▽=0 ▽=0 | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± .005 | 2 PLACES ± 0.13 ± .010 | 1 PLACE ± 0.25 ± --- | ANGULAR ± 1/2° | DRAWN BY KMS 1999/10/15 | CHECKED BY KMS 1999/10/15 | APPROVED BY KMS 1999/10/15 | TITLE SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 | MOLEX MOLEX INCORPORATED | MATERIAL NO. SEE TABLES | DOCUMENT NO. SD-71308-001 | SHEET NO. 1 OF 6 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | |

| IN TAPE AND REEL WITH SHALLOW POCKET TAPE | | | | | | | | | | | | | BULK / IN TUBES | | |
|---|--------|------------|----------------------------|----------------------------|---------------|---------------|--|--|--|--|--|--|-----------------|---------------|------|
| PACKAGING SEE NOTE 4, SHT 1 | | 4-8 CKT | TAPE-N-REEL W/ VAC CAPS | TAPE-N-REEL W/ VAC CAPS | | | | | | | | | BULK | BULK | |
| | | 10-100 CKT | TAPE-N-REEL W/ VAC CAPS | TAPE-N-REEL W/ VAC CAPS | | | | | | | | | TUBES | TUBES | |
| DIM. M±0.25 MM | | | 6.10 (.240) | 6.10 (.240) | | | | | | | | | 8.13 (.320) | 13.59 (.535) | |
| PLATING | | | 30 GOLD | 15 GOLD | | | | | | | | | 150 TIN | 150 TIN | |
| DIM. H | | | 2.54 (.100) | 2.54 (.100) | | | | | | | | | 4.57 (.180) | 4.57 (.180) | |
| DIM. J | | | 5.08 (.200) | 5.08 (.200) | | | | | | | | | 7.11 (.280) | 7.11 (.280) | |
| CKTS | DIM. A | | DIM. B | | EDP NUMBER | EDP NUMBER | | | | | | | EDP NUMBER | EDP NUMBER | CKTS |
| | MM | IN | MM | IN | | | | | | | | | | | |
| 04 | 5.08 | .200 | 2.54 | .100 | | | | | | | | | | | 04 |
| 06 | 7.62 | .300 | 5.08 | .200 | | 015-91-6068 | | | | | | | | | 06 |
| 08 | 10.16 | .400 | 7.62 | .300 | | 015-91-6088 | | | | | | | | | 08 |
| 10 | 12.70 | .500 | 10.16 | .400 | | 015-91-6108 | | | | | | | 713088010 | 71308-8210 | 10 |
| 12 | 15.24 | .600 | 12.70 | .500 | | | | | | | | | | | 12 |
| 14 | 17.78 | .700 | 15.24 | .600 | 015-91-6148 | | | | | | | | | | 14 |
| 16 | 20.32 | .800 | 17.78 | .700 | | | | | | | | | 713088016 | | 16 |
| 18 | 22.86 | .900 | 20.32 | .800 | | | | | | | | | | | 18 |
| 20 | 25.40 | 1.000 | 22.86 | .900 | | | | | | | | | | | 20 |
| 22 | 27.94 | 1.100 | 25.40 | 1.000 | | | | | | | | | | | 22 |
| 24 | 30.48 | 1.200 | 27.94 | 1.100 | | | | | | | | | | | 24 |
| 26 | 33.02 | 1.300 | 30.48 | 1.200 | | | | | | | | | | | 26 |
| 28 | 35.56 | 1.400 | 33.02 | 1.300 | | | | | | | | | | | 28 |
| 30 | 38.10 | 1.500 | 35.56 | 1.400 | | | | | | | | | | | 30 |
| 32 | 40.64 | 1.600 | 38.10 | 1.500 | | | | | | | | | | | 32 |
| 34 | 43.18 | 1.700 | 40.64 | 1.600 | | | | | | | | | | | 34 |
| 36 | 45.72 | 1.800 | 43.18 | 1.700 | | | | | | | | | | | 36 |
| 38 | 48.26 | 1.900 | 45.72 | 1.800 | | | | | | | | | | | 38 |
| 40 | 50.80 | 2.000 | 48.26 | 1.900 | | | | | | | | | | | 40 |
| 42 | 53.34 | 2.100 | 50.80 | 2.000 | | | | | | | | | | | 42 |
| 44 | 55.88 | 2.200 | 53.34 | 2.100 | | | | | | | | | | | 44 |
| 46 | 58.42 | 2.300 | 55.88 | 2.200 | | | | | | | | | | | 46 |
| 48 | 60.96 | 2.400 | 58.42 | 2.300 | | | | | | | | | | | 48 |
| 50 | 63.50 | 2.500 | 60.96 | 2.400 | | | | | | | | | | | 50 |
| 52 | 66.04 | 2.600 | 63.50 | 2.500 | | | | | | | | | | | 52 |
| 54 | 68.58 | 2.700 | 66.04 | 2.600 | | | | | | | | | | | 54 |
| 56 | 71.12 | 2.800 | 68.58 | 2.700 | | | | | | | | | | | 56 |
| 58 | 73.66 | 2.900 | 71.12 | 2.800 | | | | | | | | | | | 58 |
| 60 | 76.20 | 3.000 | 73.66 | 2.900 | | | | | | | | | | | 60 |
| 62 | 78.74 | 3.100 | 76.20 | 3.000 | | | | | | | | | | | 62 |
| 64 | 81.28 | 3.200 | 78.74 | 3.100 | | | | | | | | | | | 64 |
| 66 | 83.82 | 3.300 | 81.28 | 3.200 | | | | | | | | | | | 66 |
| 68 | 86.36 | 3.400 | 83.82 | 3.300 | | | | | | | | | | | 68 |
| 70 | 88.90 | 3.500 | 86.36 | 3.400 | | | | | | | | | | | 70 |
| 72 | 91.44 | 3.600 | 88.90 | 3.500 | | | | | | | | | | | 72 |
| 74 | 93.98 | 3.700 | 91.44 | 3.600 | | | | | | | | | | | 74 |
| 76 | 96.52 | 3.800 | 93.98 | 3.700 | | | | | | | | | | | 76 |
| 78 | 99.06 | 3.900 | 96.52 | 3.800 | | | | | | | | | | | 78 |
| 80 | 101.60 | 4.000 | 99.06 | 3.900 | | | | | | | | | | | 80 |
| 82 | 104.14 | 4.100 | 101.60 | 4.000 | | | | | | | | | | | 82 |
| 84 | 106.68 | 4.200 | 104.14 | 4.100 | | | | | | | | | | | 84 |
| 86 | 109.22 | 4.300 | 106.68 | 4.200 | | | | | | | | | | | 86 |
| 88 | 111.76 | 4.400 | 109.22 | 4.300 | | | | | | | | | | | 88 |
| 90 | 114.30 | 4.500 | 111.76 | 4.400 | | | | | | | | | | | 90 |
| 92 | 116.84 | 4.600 | 114.30 | 4.500 | | | | | | | | | | | 92 |
| 94 | 119.38 | 4.700 | 116.84 | 4.600 | | | | | | | | | | | 94 |
| 96 | 121.92 | 4.800 | 119.38 | 4.700 | | | | | | | | | | | 96 |
| 98 | 124.46 | 4.900 | 121.92 | 4.800 | | | | | | | | | | | 98 |
| 100 | 127.00 | 5.000 | 124.46 | 4.900 | | | | | | | | | | | 100 |

NO PEG VERSION

(ALSO SEE SHEET 2)

SEE SHEET 1

EC NO: UCP2009-2465

DRW:KIPPER 2009/08/04

CHKD:SSOUSEK 2009/08/07

APPR:FSMITH 2009/08/10

REV: K3

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| mm | | INCH | |
|---------------|--------|--------|--------|
| 4 PLACES | ± .005 | ± .005 | ± .005 |
| 3 PLACES | ± .010 | ± .010 | ± .010 |
| 2 PLACES | ± .013 | ± .010 | ± .010 |
| 1 PLACE | ± 0.25 | ± .010 | ± .010 |
| ANGULAR ±1/2° | | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM/IN

DRAWN BY DATE

KMS 1999/10/15

CHECKED BY DATE

KMS 1999/10/15

APPROVED BY DATE

KMS 1999/10/15

MATERIAL NO.

SEE TABLE

SIZE C

SCALE

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

SALES ASSY INSULATOR
DUAL ROW SMT W/BREAK-OFF
.025SQ PIN GULLWING .100

MOLEX INCORPORATED

DOCUMENT NO.

SD-71308-001

SHEET NO.

3 OF 6

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

| | | | | | | | | | | | | |
|----|----|-------------------------------|----------------|-------------|----------------------------|-------------|----------------------------|---|---|---|---|--|
| 13 | 12 | 11 | 10 | 9 | 8 | 6 | 5 | 4 | 3 | 2 | 1 | |
| | | PACKAGING SEE NOTE 4 SHT 1 | 4-8 CKT | BULK | TAPE-N-REEL W/ VAC CAPS | BULK | TAPE-N-REEL W/ VAC CAPS | | | | | |
| | | | 10-100 CKT | TUBES | TAPE-N-REEL W/ VAC CAPS | TUBES | TAPE-N-REEL W/ VAC CAPS | | | | | |
| | | | DIM. M±0.25 MM | | 6.10 (.240) | | 6.10 (.240) | | | | | |
| | | | PLATING | | 30 GOLD | | 150 TIN | | | | | |
| | | | DIM. H | | 2.54 (.100) | | 2.54 (.100) | | | | | |
| | | DIM. J | | 5.08 (.200) | | 5.08 (.200) | | | | | | |

| CKTS | DIM. A | | DIM. B | | DIM. C | | EDP NUMBER | | EDP NUMBER | | EDP NUMBER | | EDP NUMBER | | EDP NUMBER | | CKTS |
|------|--------|-------|--------|-------|--------|-------|-------------|-------------|------------|------------|------------|--|------------|--|------------|--|------|
| | MM | IN | MM | IN | MM | IN | | | | | | | | | | | |
| 04 | 5.08 | .200 | 2.54 | .100 | ---- | ---- | 015-91-1048 | 015-91-6047 | | | | | | | | | 04 |
| 06 | 7.62 | .300 | 5.08 | .200 | 2.54 | .100 | 015-91-1068 | 015-91-6067 | 71308-6106 | 71308-6206 | | | | | | | 06 |
| 08 | 10.16 | .400 | 7.62 | .300 | 5.08 | .200 | 015-91-1088 | 015-91-6087 | 71308-6108 | 71308-6208 | | | | | | | 08 |
| 10 | 12.70 | .500 | 10.16 | .400 | 7.62 | .300 | 015-91-1108 | 015-91-6107 | 71308-6110 | 71308-6210 | | | | | | | 10 |
| 12 | 15.24 | .600 | 12.70 | .500 | 10.16 | .400 | 015-91-1128 | | | | | | | | | | 12 |
| 14 | 17.78 | .700 | 15.24 | .600 | 12.70 | .500 | 015-91-1148 | 015-91-6147 | | | | | | | | | 14 |
| 16 | 20.32 | .800 | 17.78 | .700 | 15.24 | .600 | 015-91-1168 | 015-91-6167 | | | | | | | | | 16 |
| 18 | 22.86 | .900 | 20.32 | .800 | 17.78 | .700 | 015-91-1188 | | | | | | | | | | 18 |
| 20 | 25.40 | 1.000 | 22.86 | .900 | 20.32 | .800 | 015-91-1208 | 015-91-6207 | | | | | | | | | 20 |
| 22 | 27.94 | 1.100 | 25.40 | 1.000 | 22.86 | .900 | 015-91-1228 | | | | | | | | | | 22 |
| 24 | 30.48 | 1.200 | 27.94 | 1.100 | 25.40 | 1.000 | 015-91-1248 | | | | | | | | | | 24 |
| 26 | 33.02 | 1.300 | 30.48 | 1.200 | 27.94 | 1.100 | 015-91-1268 | | 71308-6126 | | | | | | | | 26 |
| 28 | 35.56 | 1.400 | 33.02 | 1.300 | 30.48 | 1.200 | 015-91-1288 | | | | | | | | | | 28 |
| 30 | 38.10 | 1.500 | 35.56 | 1.400 | 33.02 | 1.300 | 015-91-1308 | | | | | | | | | | 30 |
| 32 | 40.64 | 1.600 | 38.10 | 1.500 | 35.56 | 1.400 | 015-91-1328 | | | | | | | | | | 32 |
| 34 | 43.18 | 1.700 | 40.64 | 1.600 | 38.10 | 1.500 | 015-91-1348 | | | | | | | | | | 34 |
| 36 | 45.72 | 1.800 | 43.18 | 1.700 | 40.64 | 1.600 | 015-91-1368 | | | | | | | | | | 36 |
| 38 | 48.26 | 1.900 | 45.72 | 1.800 | 43.18 | 1.700 | 015-91-1388 | | | | | | | | | | 38 |
| 40 | 50.80 | 2.000 | 48.26 | 1.900 | 45.72 | 1.800 | 015-91-1408 | 015-91-6407 | | | | | | | | | 40 |
| 42 | 53.34 | 2.100 | 50.80 | 2.000 | 48.26 | 1.900 | 015-91-1428 | | | | | | | | | | 42 |
| 44 | 55.88 | 2.200 | 53.34 | 2.100 | 50.80 | 2.000 | 015-91-1448 | | | | | | | | | | 44 |
| 46 | 58.42 | 2.300 | 55.88 | 2.200 | 53.34 | 2.100 | 015-91-1468 | | | | | | | | | | 46 |
| 48 | 60.96 | 2.400 | 58.42 | 2.300 | 55.88 | 2.200 | 015-91-1488 | | | | | | | | | | 48 |
| 50 | 63.50 | 2.500 | 60.96 | 2.400 | 58.42 | 2.300 | 015-91-1508 | 015-91-6507 | | | | | | | | | 50 |
| 52 | 66.04 | 2.600 | 63.50 | 2.500 | 60.96 | 2.400 | 015-91-1528 | | | | | | | | | | 52 |
| 54 | 68.58 | 2.700 | 66.04 | 2.600 | 63.50 | 2.500 | 015-91-1548 | | | | | | | | | | 54 |
| 56 | 71.12 | 2.800 | 68.58 | 2.700 | 66.04 | 2.600 | 015-91-1568 | | | | | | | | | | 56 |
| 58 | 73.66 | 2.900 | 71.12 | 2.800 | 68.58 | 2.700 | 015-91-1588 | | | | | | | | | | 58 |
| 60 | 76.20 | 3.000 | 73.66 | 2.900 | 71.12 | 2.800 | 015-91-1608 | | | | | | | | | | 60 |
| 62 | 78.74 | 3.100 | 76.20 | 3.000 | 73.66 | 2.900 | 015-91-1628 | | | | | | | | | | 62 |
| 64 | 81.28 | 3.200 | 78.74 | 3.100 | 76.20 | 3.000 | 015-91-1648 | | | | | | | | | | 64 |
| 66 | 83.82 | 3.300 | 81.28 | 3.200 | 78.74 | 3.100 | 015-91-1668 | | | | | | | | | | 66 |
| 68 | 86.36 | 3.400 | 83.82 | 3.300 | 81.28 | 3.200 | 015-91-1688 | | | | | | | | | | 68 |
| 70 | 88.90 | 3.500 | 86.36 | 3.400 | 83.82 | 3.300 | 015-91-1708 | | | | | | | | | | 70 |
| 72 | 91.44 | 3.600 | 88.90 | 3.500 | 86.36 | 3.400 | 015-91-1728 | | | | | | | | | | 72 |
| 74 | 93.98 | 3.700 | 91.44 | 3.600 | 88.90 | 3.500 | 015-91-1748 | | | | | | | | | | 74 |
| 76 | 96.52 | 3.800 | 93.98 | 3.700 | 91.44 | 3.600 | 015-91-1768 | | | | | | | | | | 76 |
| 78 | 99.06 | 3.900 | 96.52 | 3.800 | 93.98 | 3.700 | 015-91-1788 | | | | | | | | | | 78 |
| 80 | 101.60 | 4.000 | 99.06 | 3.900 | 96.52 | 3.800 | 015-91-1808 | | | | | | | | | | 80 |
| 82 | 104.14 | 4.100 | 101.60 | 4.000 | 99.06 | 3.900 | 71308-6082 | | | | | | | | | | 82 |
| 84 | 106.68 | 4.200 | 104.14 | 4.100 | 101.60 | 4.000 | 71308-6084 | | | | | | | | | | 84 |
| 86 | 109.22 | 4.300 | 106.68 | 4.200 | 104.14 | 4.100 | 71308-6086 | | | | | | | | | | 86 |
| 88 | 111.76 | 4.400 | 109.22 | 4.300 | 106.68 | 4.200 | 71308-6088 | | | | | | | | | | 88 |
| 90 | 114.30 | 4.500 | 111.76 | 4.400 | 109.22 | 4.300 | 71308-6090 | | | | | | | | | | 90 |
| 92 | 116.84 | 4.600 | 114.30 | 4.500 | 111.76 | 4.400 | 71308-6092 | | | | | | | | | | 92 |
| 94 | 119.38 | 4.700 | 116.84 | 4.600 | 114.30 | 4.500 | 71308-6094 | | | | | | | | | | 94 |
| 96 | 121.92 | 4.800 | 119.38 | 4.700 | 116.84 | 4.600 | 71308-6096 | | | | | | | | | | 96 |
| 98 | 124.46 | 4.900 | 121.92 | 4.800 | 119.38 | 4.700 | 71308-6098 | | | | | | | | | | 98 |
| 100 | 127.00 | 5.000 | 124.46 | 4.900 | 121.92 | 4.800 | 71308-6100 | | | | | | | | | | 100 |

SHORT PEG VERSION (.055")

| | | | | | | | | | |
|---|---------------------|--|--|------------------------|-----------------------|---------------------------|------------------------|---|--|
| SEE SHEET 1 EC NO: UCP2009-2465 DRW:MKIPPER 2009/08/04 CHKD:SSOUSEK 2009/08/07 APPR:FSMITH 2009/08/10 K3 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | |
| | | | | MM/IN | | | | | |
| | | | | mm | INCH | DRAWN BY | DATE | TITLE | |
| | | | | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± .005 | KMS | 1999/10/15 | SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 | |
| | | | | 2 PLACES ± 0.13 ± .010 | 1 PLACE ± 0.25 ± --- | KMS | 1999/10/15 | | |
| | | ANGULAR ±1/2° | | APPROVED BY | DATE | MOLEX INCORPORATED | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MATERIAL NO. | DOCUMENT NO. | SD-71308-001 | | | |

SHEET NO. 5 OF 6

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PEG OPTION

NO PEG VERSION

NO PEG VERSION

LONG PEG VERSION (.130")

SHORT PEG VERSION (.055")

| | | | | | | | | | | | | | | |
|--------------------------------|-----------|--|-------|---------------------------|----------------------|------------|---------------------------|-------|-------|-------|---------------------------|-------|------|----------------------------|
| PACKAGING SEE NOTE 4, SHT 1 | 4-6 CKT | | BULK | TAPE-N-REEL W/VAC CAPS | N/A | 4-8 CKT | TAPE-N-REEL W/VAC CAPS | BULK | BULK | BULK | TAPE-N-REEL W/VAC CAPS | BULK | BULK | TAPE-N-REEL W/VAC CAPS |
| | 8-100 CKT | | TUBES | TAPE-N-REEL W/VAC CAPS | TUBES W/ VAC CAPS | 10-100 CKT | TAPE-N-REEL W/VAC CAPS | TUBES | TUBES | TUBES | TAPE-N-REEL W/VAC CAPS | TUBES | BULK | TAPE-N-REEL W/ VAC CAPS |

| | | | | | | | | | | | | | | | | | | | | |
|----------------|--|--|-------------|--|--|------------|--|--|-------------|--|--|------------|--|--|------------|--|--|-------------|--|--|
| DIM. M=0.25 MM | | | 6.10 (.240) | | | 8.13(.320) | | | 13.59(.535) | | | 6.10(.240) | | | 8.13(.320) | | | 6.10 (.240) | | |
| PLATING | | | 59 TIN | | | 59 TIN | | | 59 TIN | | | 59 TIN | | | 59 TIN | | | 59 TIN | | |
| DIM. H | | | 2.54(.100) | | | 4.57(.180) | | | 4.57(.180) | | | 2.54(.100) | | | 4.57(.180) | | | 2.54(.100) | | |
| DIM. J | | | 5.08(.200) | | | 7.11(.280) | | | 7.11(.280) | | | 5.08(.200) | | | 7.11(.280) | | | 5.08(.200) | | |

| CKTS | DIM. A | | DIM. B | | DIM. C | | EDP NUMBER | EDP NUMBER | EDP NUMBER | EDP NUMBER | EDP NUMBER | EDP NUMBER | EDP NUMBER | EDP NUMBER | EDP NUMBER | EDP NUMBER | CKTS | |
|------|--------|-------|--------|-------|--------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|
| | MM | IN | MM | IN | MM | IN | | | | | | | | | | | | |
| 04 | 5.08 | .200 | 2.54 | .100 | --- | --- | 71308-5404 | 71308-5504 | N/A | | | | 71308-6404 | 71308-6504 | 71308-6604 | | 04 | |
| 06 | 7.62 | .300 | 5.08 | .200 | 2.54 | .100 | 71308-5406 | 71308-5506 | N/A | | | | 71308-6406 | 71308-6506 | 71308-6606 | 71308-6706 | 71308-6806 | 06 |
| 08 | 10.16 | .400 | 7.62 | .300 | 5.08 | .200 | 71308-5408 | 71308-5508 | 71308-5608 | | | | 71308-6408 | 71308-6508 | 71308-6608 | 71308-6708 | 71308-6808 | 08 |
| 10 | 12.70 | .500 | 10.16 | .400 | 7.62 | .300 | 71308-5410 | 71308-5510 | 71308-5610 | | 71308-5810 | 71308-5910 | 71308-6410 | 71308-6510 | 71308-6610 | 71308-6710 | 71308-6810 | 10 |
| 12 | 15.24 | .600 | 12.70 | .500 | 10.16 | .400 | 71308-5412 | 71308-5512 | 71308-5612 | | | | 71308-6412 | | 71308-6612 | | | 12 |
| 14 | 17.78 | .700 | 15.24 | .600 | 12.70 | .500 | 71308-5414 | 71308-5514 | 71308-5614 | | | | 71308-6414 | 71308-6514 | 71308-6614 | | | 14 |
| 16 | 20.32 | .800 | 17.78 | .700 | 15.24 | .600 | 71308-5416 | 71308-5516 | 71308-5616 | | 71308-5816 | | 71308-6416 | 71308-6516 | 71308-6616 | | | 16 |
| 18 | 22.86 | .900 | 20.32 | .800 | 17.78 | .700 | 71308-5418 | | 71308-5618 | | | | 71308-6418 | | 71308-6618 | | | 18 |
| 20 | 25.40 | 1.000 | 22.86 | .900 | 20.32 | .800 | 71308-5420 | 71308-5520 | | | | | 71308-6420 | | 71308-6620 | | | 20 |
| 22 | 27.94 | 1.100 | 25.40 | 1.000 | 22.86 | .900 | 71308-5422 | | 71308-5622 | | | | 71308-6422 | | 71308-6622 | | | 22 |
| 24 | 30.48 | 1.200 | 27.94 | 1.100 | 25.40 | 1.000 | 71308-5424 | | 71308-5624 | | 71308-5724 | 71308-5824 | 71308-6424 | | 71308-6624 | | | 24 |
| 26 | 33.02 | 1.300 | 30.48 | 1.200 | 27.94 | 1.100 | 71308-5426 | | 71308-5626 | | | | 71308-6426 | | 71308-6626 | 71308-6726 | | 26 |
| 28 | 35.56 | 1.400 | 33.02 | 1.300 | 30.48 | 1.200 | 71308-5428 | | 71308-5628 | | | | 71308-6428 | | 71308-6628 | | | 28 |
| 30 | 38.10 | 1.500 | 35.56 | 1.400 | 33.02 | 1.300 | 71308-5430 | | 71308-5630 | | | | 71308-6430 | | 71308-6630 | | | 30 |
| 32 | 40.64 | 1.600 | 38.10 | 1.500 | 35.56 | 1.400 | 71308-5432 | | 71308-5632 | | | | 71308-6432 | | 71308-6632 | | | 32 |
| 34 | 43.18 | 1.700 | 40.64 | 1.600 | 38.10 | 1.500 | 71308-5434 | | 71308-5634 | | | | 71308-6434 | | 71308-6634 | | | 34 |
| 36 | 45.72 | 1.800 | 43.18 | 1.700 | 40.64 | 1.600 | 71308-5436 | | 71308-5636 | | | | 71308-6436 | | 71308-6636 | | | 36 |
| 38 | 48.26 | 1.900 | 45.72 | 1.800 | 43.18 | 1.700 | 71308-5438 | | 71308-5638 | | | | 71308-6438 | | 71308-6638 | | | 38 |
| 40 | 50.80 | 2.000 | 48.26 | 1.900 | 45.72 | 1.800 | 71308-5440 | 71308-5540 | 71308-5640 | | | | 71308-6440 | | 71308-6640 | | | 40 |
| 42 | 53.34 | 2.100 | 50.80 | 2.000 | 48.26 | 1.900 | 71308-5442 | | 71308-5642 | | | | 71308-6442 | | 71308-6642 | | | 42 |
| 44 | 55.88 | 2.200 | 53.34 | 2.100 | 50.80 | 2.000 | 71308-5444 | | 71308-5644 | | | | 71308-6444 | | 71308-6644 | | | 44 |
| 46 | 58.42 | 2.300 | 55.88 | 2.200 | 53.34 | 2.100 | 71308-5446 | | 71308-5646 | | | | 71308-6446 | | 71308-6646 | | | 46 |
| 48 | 60.96 | 2.400 | 58.42 | 2.300 | 55.88 | 2.200 | 71308-5448 | | 71308-5648 | | | | 71308-6448 | | 71308-6648 | | | 48 |
| 50 | 63.50 | 2.500 | 60.96 | 2.400 | 58.42 | 2.300 | 71308-5450 | 71308-5550 | 71308-5650 | | | | 71308-6450 | 71308-6550 | 71308-6650 | | | 50 |
| 52 | 66.04 | 2.600 | 63.50 | 2.500 | 60.96 | 2.400 | 71308-5452 | | 71308-5652 | | | | 71308-6452 | | 71308-6652 | | | 52 |
| 54 | 68.58 | 2.700 | 66.04 | 2.600 | 63.50 | 2.500 | 71308-5454 | | 71308-5654 | | | | 71308-6454 | | 71308-6654 | | | 54 |
| 56 | 71.12 | 2.800 | 68.58 | 2.700 | 66.04 | 2.600 | 71308-5456 | | 71308-5656 | | | | 71308-6456 | | 71308-6656 | | | 56 |
| 58 | 73.66 | 2.900 | 71.12 | 2.800 | 68.58 | 2.700 | 71308-5458 | | 71308-5658 | | | | 71308-6458 | | 71308-6658 | | | 58 |
| 60 | 76.20 | 3.000 | 73.66 | 2.900 | 71.12 | 2.800 | 71308-5460 | | 71308-5660 | | | | 71308-6460 | | 71308-6660 | | | 60 |
| 62 | 78.74 | 3.100 | 76.20 | 3.000 | 73.66 | 2.900 | 71308-5462 | | 71308-5662 | | | | 71308-6462 | | 71308-6662 | | | 62 |
| 64 | 81.28 | 3.200 | 78.74 | 3.100 | 76.20 | 3.000 | 71308-5464 | | 71308-5664 | | | | 71308-6464 | | 71308-6664 | | | 64 |
| 66 | 83.82 | 3.300 | 81.28 | 3.200 | 78.74 | 3.100 | 71308-5466 | | 71308-5666 | | | | 71308-6466 | | 71308-6666 | | | 66 |
| 68 | 86.36 | 3.400 | 83.82 | 3.300 | 81.28 | 3.200 | 71308-5468 | | 71308-5668 | | | | 71308-6468 | | 71308-6668 | | | 68 |
| 70 | 88.90 | 3.500 | 86.36 | 3.400 | 83.82 | 3.300 | 71308-5470 | | 71308-5670 | | | | 71308-6470 | | 71308-6670 | | | 70 |
| 72 | 91.44 | 3.600 | 88.90 | 3.500 | 86.36 | 3.400 | 71308-5472 | | 71308-5672 | | | | 71308-6472 | | 71308-6672 | | | 72 |
| 74 | 93.98 | 3.700 | 91.44 | 3.600 | 88.90 | 3.500 | 71308-5474 | | 71308-5674 | | | | 71308-6474 | | 71308-6674 | | | 74 |
| 76 | 96.52 | 3.800 | 93.98 | 3.700 | 91.44 | 3.600 | 71308-5476 | | 71308-5676 | | | | 71308-6476 | | 71308-6676 | | | 76 |
| 78 | 99.06 | 3.900 | 96.52 | 3.800 | 93.98 | 3.700 | 71308-5478 | | 71308-5678 | | | | 71308-6478 | | 71308-6678 | | | 78 |
| 80 | 101.60 | 4.000 | 99.06 | 3.900 | 96.52 | 3.800 | 71308-5480 | | 71308-5680 | | | | 71308-6480 | | 71308-6680 | | | 80 |
| 82 | 104.14 | 4.100 | 101.60 | 4.000 | 99.06 | 3.900 | 71308-5482 | | 71308-5682 | | | | 71308-6482 | | 71308-6682 | | | 82 |
| 84 | 106.68 | 4.200 | 104.14 | 4.100 | 101.60 | 4.000 | 71308-5484 | | 71308-5684 | | | | 71308-6484 | | 71308-6684 | | | 84 |
| 86 | 109.22 | 4.300 | 106.68 | 4.200 | 104.14 | 4.100 | 71308-5486 | | 71308-5686 | | | | 71308-6486 | | 71308-6686 | | | 86 |
| 88 | 111.76 | 4.400 | 109.22 | 4.300 | 106.68 | 4.200 | 71308-5488 | | 71308-5688 | | | | 71308-6488 | | 71308-6688 | | | 88 |
| 90 | 114.30 | 4.500 | 111.76 | 4.400 | 109.22 | 4.300 | 71308-5490 | | 71308-5690 | | | | 71308-6490 | | 71308-6690 | | | 90 |
| 92 | 116.84 | 4.600 | 114.30 | 4.500 | 111.76 | 4.400 | 71308-5492 | | 71308-5692 | | | | 71308-6492 | | 71308-6692 | | | 92 |
| 94 | 119.38 | 4.700 | 116.84 | 4.600 | 114.30 | 4.500 | 71308-5494 | | 71308-5694 | | | | 71308-6494 | | 71308-6694 | | | 94 |
| 96 | 121.92 | 4.800 | 119.38 | 4.700 | 116.84 | 4.600 | 71308-5496 | | 71308-5696 | | | | 71308-6496 | | 71308-6696 | | | 96 |
| 98 | 124.46 | 4.900 | 121.92 | 4.800 | 119.38 | 4.700 | 71308-5498 | | 71308-5698 | | | | 71308-6498 | | 71308-6698 | | | 98 |
| 100 | 127.00 | 5.000 | 124.46 | 4.900 | 121.92 | 4.800 | 71308-5500 | | 71308-5700 | | | | 71308-6500 | | 71308-6700 | | | 100 |

59 TIN PLATE ASSEMBLIES

| | | | | | | | |
|---|-------------------------------|--|-----------------|--|--------------|--|---------------------|
| SEE SHEET 1 EC NO: UCP2009-2465 DRAWN: KIPPER CHKD: SSOUSEK APPR: F.S.M.LTH 2009/08/04 2009/08/07 2009/08/10 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | | mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .010 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2° | MM/IN | 1:1 | INCH | DRAWN BY DATE KMS 1999/10/15 CHECKED BY DATE KMS 1999/10/15 APPROVED BY DATE KMS 1999/10/15 | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | TITLE | SALES ASSY INSULATOR DUAL ROW SMT W/BREAK-OFF .025SQ PIN GULLWING .100 | | MOLEX INCORPORATED | |
| | | SEE TABLE | MATERIAL NO. | DOCUMENT NO. | SD-71308-001 | | SHEET NO. 6 OF 6 |

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