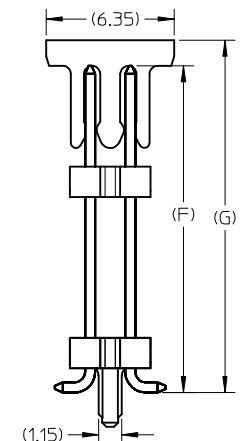
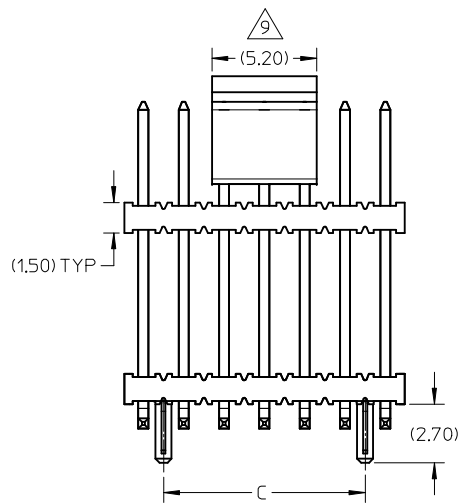
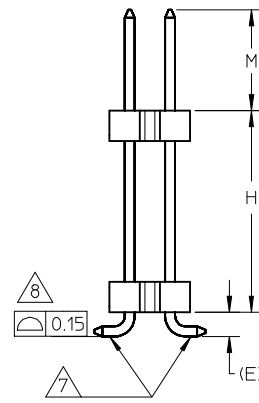


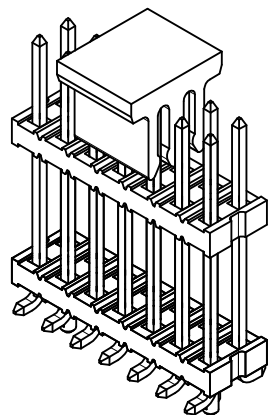
RECOMMENDED PCB LAYOUT



PART WITH PEGS & CAP VERSION



PART WITHOUT PEGS & CAP VERSION

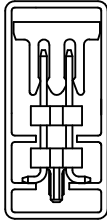
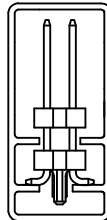
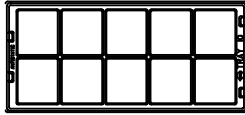
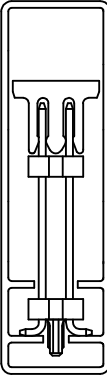
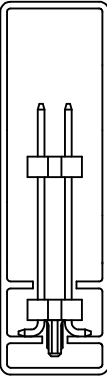
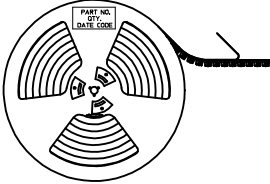


NOTES

1. MATERIAL:
HSG: NYLON, GLASS-FILLED, UL94V-0 COLOR: BLACK
CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
PIN: 0.50MM SQ, COPPER ALLOY
2. PLATING TYPE:
(1) 0.025µm GOLD OVERALL
1.25µm MIN. NICKEL OVERALL.
(2) 0.05 - 0.25µm. GOLD ON CONTACT AND
2.50µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
(3) 0.38µm MIN. GOLD PLATE ON CONTACT AND
2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
(4) 0.75µm MIN. GOLD PLATE ON CONTACT AND
2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
(5) 2.50µm MIN. TIN OVERALL
1.25µm MIN. NICKEL OVERALL
(6) 0.05 - 0.25µm. GOLD OVERALL
1.25µm MIN. NICKEL OVERALL.
3. PRODUCT SPECIFICATION: PS-87761-100
4. PACKAGING TYPE: PLS SEE TABLE
5. PACKAGING SPEC: PLS SEE SHEET 2 AND SHEET 3
6. WAFER TO BE FLAT WITHIN 0.003 mm/mm
7. BEND DEPRESSION IS ACCEPTED SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL
8. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE
9. CAP LOCATION IS CENTERED ALONG THE MATING ENDS AS SHOWN. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE
10. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
11. RECOMMENDED PCB THICKNESS IS 1.60mm±0.10
12. THE ABOVE CKT 14 IS FOR ILLUSTRATION PURPOSE ONLY
13. TUBE LENGTH AS PER STANDARD 560mm

| | | | | | | | | | | |
|--|--|---------------------------------------|------------|----------------------------|------------|-----------------------|------------------------|------------------------|--|--|
| ADD P/N: 87762-3009 EC NO: S2015-0258 DRWN: CGOH CHKD: ATSEE APPR: KILIM 2014/09/15 2014/10/13 2014/10/13 | QUALITY SYMBOLS $F_A=0$ $F_C=0$ $F_B=0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE NTS | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | mm | INCH | DRAWN BY | DATE | TITLE | | | | |
| | | 4 PLACES ± --- | ± --- | SKLIM01 | 2006/07/21 | CUSTOM HEADER | | | | |
| | | 3 PLACES ± --- | ± --- | CHECKED BY | DATE | 2.00MM PITCH DUAL ROW | | | | |
| 2 PLACES ± 0.2 | ± --- | CWLAM | 2006/10/31 | HEADER, DUAL WAFER, SMT | | | | | | |
| 1 PLACE ± --- | ± --- | APPROVED BY | DATE | MOLEX INCORPORATED | | | | | | |
| ANGULAR ± 3° | | MLONG | 2010/03/08 | MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | SD-87762-175 | | 1 OF 3 | | | | |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | |

PACKAGING SPECIFICATION OVERVIEW

| ITEM | PACKAGING TYPE | PACKAGING SPECIFICATION | PART OVERALL HEIGHT | PART PACKED IN PACKAGING ORIENTATION (FOR REF. USE ONLY) | ITEM | PACKAGING TYPE | PACKAGING SPECIFICATION | PART OVERALL HEIGHT | PART PACKED IN PACKAGING ORIENTATION (FOR REF. USE ONLY) |
|------|----------------|-------------------------|-----------------------------------|--|------|-------------------|---|-------------------------------|---|
| 1 | TUBE | PK-89990-475 | DIMENSION F/G= <13.3MM |  HEADER WITH CAP IN TUBE  HEADER WITHOUT CAP IN TUBE | 3 | TRAY | PK-89990-487 | DIMENSION F/G= MAX. 40.0MM |  |
| 2 | TUBE | PK-89990-474 | DIMENSION F/G= 13.4MM ~ 23.4MM |  HEADER WITH CAP IN TUBE  HEADER WITHOUT CAP IN TUBE | 4 | TAPE & REEL | PK-89990-484 (REEL Ø: 330.0 MAX.) | DIMENSION F/G= MAX. 26.0MM |  |

| | | | | | | | | |
|---|--------------------|-------------------------------------|--|---|------------------------------|---------------------|--|--|
| ADD P/N: 87762-3009 EC NO: S2015-0258 DRWN:CGH 2014/09/15 CHKD:ATSEE 2014/10/13 APPR:KHLIM 2014/10/13 | REV DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | | $F_A = 0$ $F_G = 0$ $F_P = 0$ | mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 ° | MM ONLY | NTS | METRIC | DRAWN BY: SKLIM01 DATE: 2006/07/21 CHECKED BY: CWLAM DATE: 2006/10/31 APPROVED BY: MLONG DATE: 2010/03/08 | TITLE CUSTOM HEADER 2.00MM PITCH DUAL ROW HEADER, DUAL WAFER, SMT |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. SEE TABLE | DOCUMENT NO. SD-87762-175 | SHEET NO. 2 OF 3 | | |
| | | | SIZE A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |

| CKT SIZE | DIMENSION | | | PART NO. IN PACKAGING OPTION | | | | CKT SIZE | PEG | PLATE OPT. | DIMENSION | | | | | PACKAGING SPECIFICATION (PLS REFER TO SHEET 2) |
|----------|-----------|-------|-------|------------------------------|---------------|------------------|-----------------|----------|-----|------------|-----------|-------|------------|----------------|------------|---|
| | A | B | C | TAPE & REEL WITH CAP | TUBE WITH CAP | TUBE WITHOUT CAP | W/O CAP IN TRAY | | | | G | (F) | MATING END | STACKER HEIGHT | SMT HEIGHT | |
| 04 | 4.00 | 2.00 | - | | | | | 4 | N | 3 | 11.47 | 10.20 | 4.40 | 4.60 | 1.20 | 4 |
| 06 | 6.00 | 4.00 | - | | | | | 8 | N | 3 | 11.47 | 10.20 | 4.40 | 4.60 | 1.20 | 4 |
| 08 | 8.00 | 6.00 | 4.00 | | | | | 6 | N | 4 | 13.48 | 11.86 | 3.73 | 6.93 | 1.20 | 4 |
| 10 | 10.00 | 8.00 | 6.00 | | | | | - | - | - | - | - | - | - | - | - |
| 12 | 12.00 | 10.00 | 8.00 | | | 87762-1007 | | 10 | N | 3 | - | 15.45 | 7.32 | 6.93 | 1.20 | 2 |
| 14 | 14.00 | 12.00 | 10.00 | | | | | 14 | N | 5 | 11.05 | 8.70 | 3.00 | 4.50 | 1.20 | 4 |
| 16 | 16.00 | 14.00 | 12.00 | | | | | 14 | Y | 3 | 13.27 | 12.00 | 4.50 | 6.30 | 1.20 | 4 |
| 18 | 18.00 | 16.00 | 14.00 | | | 87762-1652 | | 16 | Y | 3 | - | 12.90 | 6.90 | 4.80 | 1.20 | 1 |
| 20 | 20.00 | 18.00 | 16.00 | | | | | 16 | N | 4 | 11.27 | 10.00 | 4.90 | 3.90 | 1.20 | 4 |
| 22 | 22.00 | 20.00 | 18.00 | | | | | 16 | Y | 2 | 25.65 | 24.30 | 4.00 | 19.10 | 1.20 | 4 |
| 24 | 24.00 | 22.00 | 20.00 | | | 87762-1800 | | 18 | Y | 3 | 18.87 | 17.60 | 4.52 | 11.88 | 1.20 | 2 |
| 26 | 26.00 | 24.00 | 22.00 | | | | | 20 | Y | 4 | 9.71 | 8.44 | 4.24 | 3.00 | 1.20 | 4 |
| 28 | 28.00 | 26.00 | 24.00 | | | | | 20 | Y | 3 | 23.85 | 22.30 | 3.80 | 17.30 | 1.20 | 4 |
| 30 | 30.00 | 28.00 | 26.00 | | | 87762-3080 | | 30 | N | 1 | - | 13.45 | 3.35 | 8.90 | 1.20 | 2 |
| 32 | 32.00 | 30.00 | 28.00 | | | | | 30 | N | 1 | 15.45 | 13.45 | 3.35 | 8.90 | 1.20 | 4 |
| 34 | 34.00 | 32.00 | 30.00 | | | | | 30 | Y | 6 | 19.27 | 18.00 | 5.00 | 11.80 | 1.20 | 4 |
| 36 | 36.00 | 34.00 | 32.00 | | | | | 30 | N | 2 | 16.55 | 14.20 | 3.00 | 10.00 | 1.20 | 4 |
| 38 | 38.00 | 36.00 | 34.00 | | | | | 40 | Y | 3 | 17.65 | 16.30 | 3.50 | 11.60 | 1.20 | 4 |
| 40 | 40.00 | 38.00 | 36.00 | | | | | | | | | | | | | |
| 42 | 42.00 | 40.00 | 38.00 | | | | | | | | | | | | | |
| 44 | 44.00 | 42.00 | 40.00 | | | | | | | | | | | | | |
| 46 | 46.00 | 44.00 | 42.00 | | | | | | | | | | | | | |
| 48 | 48.00 | 46.00 | 44.00 | | | | | | | | | | | | | |
| 50 | 50.00 | 48.00 | 46.00 | | | | | | | | | | | | | |

| ADD P/N: 87762-3009 EC NO: S2015-0258 DRWN:CGOH 2014/09/15 CHKD:ATSEE 2014/10/13 APPR:KHLIM 2014/10/13 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | | | | | | | | | | | | | | |
|---|---|--|--|--|---------------------------|------------------------|-------|-------|----------|-------|-------|----------|-------|-------|---------|-------|-------|---------|-----|--------|--|
| | $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_P = 0$ | <table border="1"> <tr><th colspan="2">mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td></tr> <tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr> </table> | mm | | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.2 | ± --- | 1 PLACE | ± --- | ± --- | MM ONLY | NTS | METRIC | |
| | mm | | INCH | | | | | | | | | | | | | | | | | | |
| | 4 PLACES | ± --- | ± --- | | | | | | | | | | | | | | | | | | |
| 3 PLACES | ± --- | ± --- | | | | | | | | | | | | | | | | | | | |
| 2 PLACES | ± 0.2 | ± --- | | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ± --- | ± --- | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRAWN BY: SKLIM01 CHECKED BY: CWLAM APPROVED BY: MLONG MATERIAL NO. | DATE: 2006/07/21 DATE: 2006/10/31 DATE: 2010/03/08 | TITLE: CUSTOM HEADER 2.00MM PITCH DUAL ROW HEADER, DUAL WAFER, SMT MOLEX INCORPORATED | | | | | | | | | | | | | | | | | |
| REV | | | SEE TABLE | | DOCUMENT NO. SD-87762-175 | SHEET NO. 3 OF 3 | | | | | | | | | | | | | | | |