

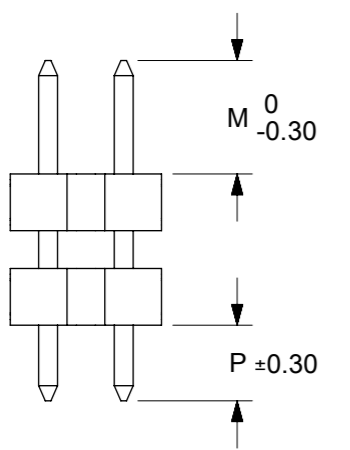
NOTES:

1. MATERIAL:
HSG: NYLON, GLASS-FILLED, UL94V-0 COLOR: BLACK
PIN: 0.50MM SQ, COPPER ALLOY
2. PLATING FINISH:
 - (1) 0.38µm MIN. GOLD OVER
1.25µm MIN. NICKEL OVERALL.
 - (2) GOLD FLASH 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) 0.38µm MIN. GOLD PLATE ON CONTACT AND
0.05µm MIN. GOLD ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - (7) 0.75µm MIN. GOLD PLATE ON CONTACT AND
0.05µm MIN. GOLD ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
3. PIN PUSHOUT FORCE: 0.85KgF MIN IN EITHER DIRECTION.
4. THE ABOVE 16CKTS SHOWN IS FOR ILLUSTRATION ONLY.
5. FOR PACKING OPTION PLEASE REFER TO THE TABLE.
6. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
7. PRODUCT SPEC PS-87761-001 APPLIES.
8. RECOMMENDED PCB THICKNESS 1.60MM.
9. WAFER TO BE FLAT WITHIN 0.003 mm/mm
10. PACKAGING SPECIFICATION:
TRAY: PK-89990-487
BULK: PK-89990-490
TUBE: PK-89990-475
11. WHEN WAFER ARE STACK TOGETHER, DIMENSION 'H' SHOULD BE TAKEN AS REFERENCE.

| | | | | | | | | | |
|---|--|-------|--|---|--|----------------|--|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | |
| DIMENSION UNITS | | SCALE | | CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511698. | | | | molex | |
| mm | | NTS | | | | | | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | EC NO: 742551 | | 2023/03/30 | | 2MM DUAL ROW DUAL WAFER HEADER, VERTICAL T/H | |
| | | | | DRWN: SANTHN | | 2023/05/12 | | PRODUCT CUSTOMER DRAWING | |
| 4 PLACES ± | | | | CHK'D: GGA | | 2023/05/12 | | DOCUMENT NUMBER | |
| 3 PLACES ± | | | | APPR: GGA | | 2023/05/12 | | SD-87761-052 | |
| 2 PLACES ± 0.2 | | | | INITIAL REVISION: | | 2005/02/23 | | PSD 001 D4 | |
| 1 PLACE ± | | | | DRWN: KCHO | | 2009/12/02 | | DOC TYPE DOC PART REVISION | |
| 0 PLACES ± | | | | APPR: MLONG | | | | SHEET NUMBER | |
| ANGULAR TOL ± 3.0° | | | | THIRD ANGLE PROJECTION | | DRAWING | | SERIES | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | A3-SIZE | | 87761 | | MATERIAL NUMBER CUSTOMER | |
| | | | | SEE TABLE | | GENERAL MARKET | | 1 OF 3 | |

| CKT SIZE | DIMENSION | |
|----------|-----------|-------|
| | A | B |
| 04 | 4.00 | 2.00 |
| 06 | 6.00 | 4.00 |
| 08 | 8.00 | 6.00 |
| 10 | 10.00 | 8.00 |
| 12 | 12.00 | 10.00 |
| 14 | 14.00 | 12.00 |
| 16 | 16.00 | 14.00 |
| 18 | 18.00 | 16.00 |
| 20 | 20.00 | 18.00 |
| 22 | 22.00 | 20.00 |
| 24 | 24.00 | 22.00 |
| 26 | 26.00 | 24.00 |
| 28 | 28.00 | 26.00 |
| 30 | 30.00 | 28.00 |
| 32 | 32.00 | 30.00 |
| 34 | 34.00 | 32.00 |
| 36 | 36.00 | 34.00 |
| 38 | 38.00 | 36.00 |
| 40 | 40.00 | 38.00 |
| 42 | 42.00 | 40.00 |
| 44 | 44.00 | 42.00 |
| 46 | 46.00 | 44.00 |
| 48 | 48.00 | 46.00 |
| 50 | 50.00 | 48.00 |

NOTES:
 12 APPLY ONLY FOR PART#87761-5021 & 87761-5022



| PART NUMBERS | CKT SIZE | VOID POSITION | KINK POSITION | DIMENSION | | | | PLATING OPTION | PACKAGING TYPE |
|-----------------|----------|---------------|---------------|------------|----------------|-------------|-------|----------------|----------------|
| | | | | MATING END | STACKER HEIGHT | SOLDER TAIL | (F) | | |
| | | | | M | H | (P) | | | |
| 87761-0401 | 04 | --- | --- | 4.00 | 15.50 | 3.50 | 23.00 | 3 | TRAY |
| 87761-0600 | 06 | --- | --- | 7.00 | 5.00 | 2.80 | 14.80 | 5 | |
| (D2) 87761-0601 | 06 | --- | --- | 7.00 | 5.00 | 2.80 | 14.80 | 5 | |
| 87761-0801 | 08 | 3,4,5,6 | --- | 4.00 | 15.50 | 3.50 | 23.00 | 3 | |
| 87761-0800 | 08 | --- | --- | 8.70 | 16.00 | 3.50 | 28.20 | 4 | BULK |
| 87761-1006 | 10 | 1 | --- | 1.16 | 3.05 | 3.99 | 8.20 | 5 | TRAY |
| 87761-1009 | 10 | --- | --- | 1.16 | 3.05 | 3.99 | 8.20 | 5 | |
| 87761-1007 | 10 | --- | --- | 2.60 | 34.00 | 2.60 | 39.20 | 5 | |
| (D2) 87761-1008 | 10 | --- | --- | 2.60 | 34.00 | 2.60 | 39.20 | 5 | |
| 87761-1000 | 10 | --- | --- | 5.50 | 27.05 | 3.43 | 36.43 | 4 | |
| 87761-1001 | 10 | --- | --- | 2.50 | 14.50 | 4.00 | 21.00 | 4 | |
| 87761-0012 | 12 | --- | --- | 2.60 | 10.00 | 3.70 | 16.30 | 5 | |
| (D2) 87761-0013 | 12 | --- | --- | 2.60 | 10.00 | 3.70 | 16.30 | 5 | |
| 87761-1200 | 12 | --- | --- | 4.00 | 24.00 | 2.79 | 30.79 | 4 | |
| 87761-0016 | 16 | --- | --- | 4.00 | 9.15 | 3.85 | 17.00 | 3 | |
| 87761-0017 | 16 | --- | --- | 3.00 | 3.00 | 2.70 | 8.70 | 5 | |
| 87761-1600 | 16 | --- | --- | 7.00 | 5.00 | 2.80 | 14.80 | 5 | |
| (D2) 87761-1602 | 16 | --- | --- | 7.00 | 5.00 | 2.80 | 14.80 | 5 | |
| 87761-0020 | 20 | --- | --- | 6.00 | 4.00 | 2.90 | 12.90 | 5 | |
| (D2) 87761-0021 | 20 | --- | --- | 6.00 | 4.00 | 2.90 | 12.90 | 5 | |
| 87761-0031 | 20 | --- | --- | 3.00 | 4.00 | 2.03 | 9.00 | 6 | |
| 87761-2000 | 20 | --- | --- | 4.00 | 24.00 | 2.79 | 30.79 | 4 | |
| 87761-2001 | 20 | --- | --- | 2.50 | 14.50 | 4.00 | 21.00 | 4 | |
| 87761-2018 | 20 | --- | --- | 4.50 | 10.16 | 4.45 | 19.10 | 3 | |
| 87761-2400 | 24 | --- | --- | 5.50 | 27.50 | 2.80 | 35.80 | 4 | |
| 87761-2401 | 24 | --- | --- | 2.00 | 60.00 | 2.00 | 64.00 | 7 | |
| 87761-2402 | 24 | --- | --- | 2.00 | 42.00 | 2.00 | 46.00 | 7 | |
| 87761-2610 | 26 | --- | --- | 5.30 | 6.30 | 2.70 | 14.30 | 4 | |
| 87761-3000 | 30 | --- | --- | 4.00 | 17.30 | 4.00 | 25.30 | 1 | |
| 87761-0024 | 40 | --- | --- | 8.89 | 15.88 | 3.43 | 28.20 | 4 | |
| 87761-4000 | 40 | --- | --- | 2.60 | 3.00 | 2.60 | 8.20 | 5 | |
| (D2) 87761-4001 | 40 | --- | --- | 2.60 | 3.00 | 2.60 | 8.20 | 5 | |
| 87761-4218 | 42 | --- | --- | 4.50 | 10.16 | 4.45 | 19.10 | 3 | |
| 87761-4400 | 44 | --- | --- | 7.00 | 5.00 | 4.00 | 16.00 | 5 | |
| (D2) 87761-4402 | 44 | --- | --- | 7.00 | 5.00 | 4.00 | 16.00 | 5 | |
| 87761-0026 | 50 | --- | --- | 8.89 | 15.88 | 3.43 | 28.20 | 4 | |
| 87761-5000 | 50 | --- | --- | 3.50 | 10.00 | 3.50 | 17.00 | 5 | |
| (D2) 87761-5003 | 50 | --- | --- | 3.50 | 10.00 | 3.50 | 17.00 | 5 | |
| 87761-5001 | 50 | --- | --- | 2.50 | 10.30 | 4.00 | 16.80 | 4 | |
| 87761-5002 | 50 | --- | --- | 2.50 | 11.70 | 2.60 | 16.80 | 4 | |
| 87761-5021 | 50 | --- | --- | 4.00 | 8.70 | 2.50 | 15.20 | 3 | |
| 87761-5022 | 50 | --- | --- | 4.00 | 5.71 | 2.50 | 12.21 | 3 | |
| 87761-0001 | 10 | --- | --- | 5.08 | 22.86 | 5.08 | 33.02 | 3 | |

| | | | | | | | | | |
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| DIMENSION UNITS | | SCALE | | CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511698. | | | | | |
| mm | | NTS | | molex 2MM DUAL ROW DUAL WAFER HEADER, VERTICAL T/H PRODUCT CUSTOMER DRAWING EC NO: 742551 DRWN: SANTHN 2023/03/30 CHK'D: GGA 2023/05/12 APPR: GGA 2023/05/12 INITIAL REVISION: DRWN: KCHO 2005/02/23 APPR: MLONG 2009/12/02 DOCUMENT NUMBER: SD-87761-052 DOC TYPE: PSD DOC PART: 001 REVISION: D4 | | | | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | | | |
| | | MM | INCH | | | | | | |
| 4 PLACES | ± | | ± | | | | | | |
| 3 PLACES | ± | | ± | | | | | | |
| 2 PLACES | ± | 0.2 | ± | | | | | | |
| 1 PLACE | ± | | ± | | | | | | |
| 0 PLACES | ± | | ± | | | | | | |
| ANGULAR TOL | | ± 3.0° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | |
| | | THIRD ANGLE PROJECTION | | DRAWING | | SERIES | | MATERIAL NUMBER | |
| | | | | A3-SIZE | | 87761 | | SEE TABLE | |
| | | | | | | | | CUSTOMER | |
| | | | | | | | | GENERAL MARKET | |
| | | | | | | | | SHEET NUMBER | |
| | | | | | | | | 2 OF 3 | |

| | | | | |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/05/12 | 06:17:08 |
|-----------------|----|--------------|------------|----------|

