

| CKT | A | B |
|-----|----------------|----------------|
| 4 | 18.80 .740 | 4.20 .165 |
| 6 | 23.00 .906 | 8.40 .331 |
| 8 | 27.20 1.071 | 12.60 .496 |
| 10 | 31.40 1.237 | 16.80 .661 |
| 12 | 35.60 1.402 | 21.00 .827 |
| 14 | 39.80 1.567 | 25.20 .992 |
| 16 | 44.00 1.733 | 29.40 1.157 |
| 18 | 48.20 1.898 | 33.60 1.323 |
| 20 | 52.40 2.063 | 37.80 1.488 |
| 22 | 56.60 2.229 | 42.00 1.654 |
| 24 | 60.80 2.394 | 46.20 1.819 |

- NOTES:**
- MATERIAL: HOUSING: GLASS FILLED NYLON, UL94 V-0, BLACK
TERMINAL: PHOSPHOR BRONZE
BOARD RETENTION CLIP: BRASS
 - TERMINAL FINISH:
1 = 0.00254/.000100 MIN. BRIGHT TIN OVER 0.00127/.000050 MIN. NICKEL OVERALL
4 = 0.00076/.000030 MIN. GOLD IN CONTACT AREA, 0.00254/.000100 MIN. MATTE TIN IN TAIL AREA OVER 0.00127/.000050 MIN. NICKEL OVERALL
5 = 0.00254/.000100 MIN. MATTE TIN OVER 0.00127/.000050 MIN. NICKEL OVERALL
 - PRODUCT SPECIFICATION: PS-43879-001
 - PARTS ARE TRAY PACKED PER PK-43879-001
 - THIS PART MATES WITH RECEPTACLE NUMBERS 5557, 42474, 44516 AND HEADER NUMBER 42385.
 - PART ALLOWS FOR 1.27/.050 MAX. MIS-ALIGNMENT WITH MATING HOUSING IN ANY DIRECTION.
 - CONNECTOR ASSEMBLIES ARE NOT DESIGNED TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.
 - PART IS NOT DESIGNED FOR CURRENT SHARING.
 - DRILLED HOLE DIAMETER IS EQUIVALENT TO 5/64 STANDARD DRILL BIT.
 - PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
 - THIS HEADER REQUIRES A MOLEX INSERTION TOOL (62200-9400) TO PROPERLY INSTALL IT TO THE PCB.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | | | | | | |
|---|--|--------|-----------------|------------------------|------------|------------|
| CHG DIM 5.82 TO 6.25 EC NO: 104170 DRWN: C-SLAFTER CHK'D: FSMITH APPR: FSMITH | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE | | |
| | | | MM/IN | 2:1 | | |
| | 4 PLACES | ± | ± | DRWN BY | | DATE |
| | 3 PLACES | ± | ± 0.01 | POLGAR | | 2002/12/10 |
| | 2 PLACES | ± 0.25 | ± 0.014 | CHK'D BY | DATE | |
| | 1 PLACES | ± 0.38 | ± | MARGULIS | 2002/12/17 | |
| | 0 PLACES | ± | ± | APPR BY | DATE | |
| | | | | FSMITH | 2011/05/02 | |
| | ANGULAR TOL ± 2.0 | | DRAWING SIZE | THIRD ANGLE PROJECTION | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | B | | | |

| | | |
|--------------------------|-----------------|----------------|
| PRODUCT CUSTOMER DRAWING | | |
| SERIES | MATERIAL NUMBER | CUSTOMER |
| 43879 | SEE CHART | GENERAL MARKET |
| DOCUMENT NUMBER | | DOC TYPE |
| SD-43879-061 | | PSD |
| DOC PART | SHEET NUMBER | |
| 000 | 1 OF 4 | |

| ITEM NO. | CKT. SIZE | TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: SEE LEGEND BELOW | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 43879-6001 | 10 | MI | MI | SI | MI | MI | MI | MI | MI | MI | MI | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6004 | 14 | SI | SI | SI | SI | SI | SI | SI | SI | MI | MI | MI | MI | MI | SI | - | - | - | - | - | - | - | - | - | |
| 43879-6005 | 18 | SI | SI | SI | SI | SI | SI | SI | SI | SI | MI | MI | SI | SI | SI | SI | SI | SI | SI | SI | - | - | - | - | |
| 43879-6006 | 14 | SI | SI | MI | SI | MI | SI | MI | SI | SI | SI | SI | SI | SI | SI | - | - | - | - | - | - | - | - | - | |
| 43879-6008 | 14 | SI | SI | MI | MI | SI | MI | SI | SI | SI | MI | MI | SI | SI | SI | - | - | - | - | - | - | - | - | - | |
| 43879-6009 | 18 | MI | MI | MI | MI | SI | MI | MI | MI | MI | MI | MI | MI | MI | MI | MI | MI | MI | MI | MI | - | - | - | - | |
| 43879-6010 | 6 | SI | MI | MI | SI | MI | MI | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6012 | 18 | M4 | M4 | M4 | M4 | S4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | - | - | - | - | |
| 43879-6013 | 10 | M4 | S4 | S4 | S4 | S4 | M4 | M4 | S4 | S4 | M4 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6014 | 10 | S4 | S4 | M4 | S4 | S4 | M4 | M4 | M4 | S4 | S4 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6015 | 10 | S4 | S4 | S4 | S4 | M4 | S4 | M4 | S4 | S4 | M4 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6016 | 10 | S4 | S4 | M4 | S4 | M4 | S4 | M4 | S4 | S4 | M4 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6020 | 14 | S4 | S4 | S4 | M4 | M4 | M4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | - | - | - | - | - | - | - | - | - | |
| 43879-6022 | 24 | M4 | M4 | M4 | S4 | S4 | S4 | M4 | S4 | S4 | S4 | S4 | S4 | M4 | M4 | M4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | |
| 43879-6025 | 18 | M4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | M4 | M4 | M4 | S4 | S4 | M4 | - | - | - | - | - | |
| 43879-6026 | 14 | S1 | S1 | S1 | M1 | M1 | S1 | S1 | S1 | S1 | S1 | M1 | M1 | S1 | S1 | - | - | - | - | - | - | - | - | - | |
| 43879-6027 | 14 | M1 | M1 | M1 | M1 | M1 | M1 | S1 | M1 | M1 | M1 | M1 | M1 | M1 | S1 | - | - | - | - | - | - | - | - | - | |
| 43879-6029 | 4 | M1 | M1 | M1 | M1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6030 | 14 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | - | - | - | - | - | - | - | - | - | |

LEGEND

* *
 M = MAKE-FIRST/BREAK-LAST
 S = STANDARD LENGTH

1 = BRIGHT TIN OVER NICKEL
 4 = GOLD & TIN OVER NICKEL
 5 = MATTE TIN OVER NICKEL

RELEASE STATUS: P1 | RELEASE DATE: 2016/05/17 21:36:32

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | | | | |
|--|---------------------------------------|--|--------------------|------------------|
| CHG DIM 5.82 TO 6.25 EC NO: 104170 DRWN: C-SLAFTER CHKD: FSMITH APPR: FSMITH | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE |
| | MM | INCH | MM/IN | 2:1 |
| | 4 PLACES | ± | POLGAR | DATE: 2002/12/10 |
| | 3 PLACES | ± | CHK'D BY: MARGULIS | DATE: 2002/12/17 |
| 2 PLACES | ± 0.25 | APPR BY: FSMITH | DATE: 2011/05/02 | |
| 1 PLACES | ± 0.38 | DRAWING SIZE: B | | |
| 0 PLACES | ± | THIRD ANGLE PROJECTION | | |
| ANGULAR TOL ± 2.0 | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | |

molex®

VERT. HDR. ASSY, BMI/CPI
 MAKE-FIRST/BREAK-LAST MINI-FIT BMI SERIES

PRODUCT CUSTOMER DRAWING

| | | |
|-------------------------------|----------------------------|--------------------------|
| SERIES: 43879 | MATERIAL NUMBER: SEE CHART | CUSTOMER: GENERAL MARKET |
| DOCUMENT NUMBER: SD-43879-061 | DOC TYPE: PSD | DOC PART: 000 |
| SHEET NUMBER: 2 OF 4 | | |


| ITEM NO. | CKT. SIZE | TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: SEE LEGEND BELOW | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 43879-6031 | 18 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | - | - | - | - | - | - |
| 43879-6032 | 24 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 |
| 43879-6033 | 10 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6034 | 14 | S1 | S1 | S1 | S1 | S1 | S1 | S1 | M1 | M1 | M1 | S1 | S1 | S1 | S1 | - | - | - | - | - | - | - | - | - | |
| 43879-6035 | 18 | S1 | S1 | M1 | S1 | S1 | S1 | M1 | S1 | S1 | S1 | S1 | M1 | S1 | S1 | S1 | M1 | S1 | S1 | - | - | - | - | - | |
| 43879-6036 | 14 | M4 | M4 | M4 | M4 | S4 | M4 | S4 | M4 | M4 | M4 | M4 | M4 | M4 | S4 | - | - | - | - | - | - | - | - | - | |
| 43879-6037 | 14 | S4 | S4 | S4 | S4 | S4 | S4 | S4 | M4 | M4 | M4 | M4 | M4 | M4 | S4 | - | - | - | - | - | - | - | - | - | |
| 43879-6038 | 24 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | S1 | M1 | M1 | M1 | M1 | S1 | M1 | M1 | S1 |
| 43879-6039 | 10 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | M5 | | | | | | | | | | | | | | |
| 43879-6041 | 24 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | M1 | |
| 43879-6042 | 18 | S4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | - | - | - | - | - | |
| 43879-6043 | 14 | S4 | S4 | M4 | M4 | S4 | M4 | S4 | S4 | S4 | M4 | M4 | S4 | S4 | S4 | - | - | - | - | - | - | - | - | - | |
| 43879-6044 | 10 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | V | V | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6045 | 24 | S4 | S4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | S4 | S4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | S4 | |
| 43879-6046 | 06 | M4 | M4 | M4 | S4 | M4 | M4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6047 | 10 | M1 | S1 | S1 | M1 | S1 | M1 | S1 | S1 | S1 | S1 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43879-6048 | 14 | M1 | M1 | M1 | M1 | S1 | M1 | M1 | M1 | M1 | M1 | M1 | S1 | M1 | M1 | - | - | - | - | - | - | - | - | - | |
| 43879-6049 | 18 | M1 | S1 | S1 | S1 | S1 | S1 | S1 | S1 | M1 | M1 | S1 | S1 | S1 | S1 | S1 | S1 | S1 | M1 | - | - | - | - | - | |
| 43879-6054 | 18 | M1 | M1 | S1 | S1 | S1 | S1 | S1 | M1 | M1 | M1 | M1 | S1 | M1 | S1 | S1 | M1 | M1 | M1 | - | - | - | - | - | |

LEGEND

M = MAKE-FIRST/BREAK-LAST
S = STANDARD LENGTH

1 = BRIGHT TIN OVER NICKEL
4 = GOLD & TIN OVER NICKEL
5 = MATTE TIN OVER NICKEL

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| | | | | | | |
|---|---------------------------------------|--|-----------------|------------------------|---|------------|
| CHG DIM 5.82 TO 6.25 EC NO: 104170 DRWN: C-SLAFTER CHK'D: FSMITH APPR: FSMITH | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE |  VERT. HDR. ASSY, BMI/CPI MAKE-FIRST/BREAK-LAST MINI-FIT BMI SERIES PRODUCT CUSTOMER DRAWING SERIES: 43879 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET DOCUMENT NUMBER: SD-43879-061 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 3 OF 4 | |
| | 4 PLACES | ± | MM | MM/IN | | 2:1 |
| | 3 PLACES | ± | INCH | DRWN BY | | DATE |
| | 2 PLACES | ± 0.25 | ± 0.014 | POLGAR | | 2002/12/10 |
| | 1 PLACES | ± 0.38 | ± | CHK'D BY | | DATE |
| 0 PLACES | ± | ± | MARGULIS | 2002/12/17 | | |
| ANGULAR TOL ± 2.0 | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | APPR BY | DATE | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DRAWING SIZE | | THIRD ANGLE PROJECTION | | |
| G15 | | B | | | | |

| ITEM NO. | CKT. SIZE | TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: SEE LEGEND BELOW | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 43879-6055 | 18 | S4 | S4 | S4 | S4 | M4 | M4 | M4 | M4 | M4 | S4 | S4 | S4 | S4 | M4 | M4 | M4 | M4 | M4 | - | - | - | - | - | - |
| 43879-6056 | 14 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | M4 | | | | | | | | | | |
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LEGEND

M = MAKE-FIRST/BREAK-LAST
S = STANDARD LENGTH

1 = BRIGHT TIN OVER NICKEL
4 = GOLD & TIN OVER NICKEL
5 = MATTE TIN OVER NICKEL

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| | | | | | | | |
|--|--|--------|-----------------|------------------------|------------|-----|--|
| CHG DIM 5.82 TO 6.25 EC NO: 104170 DRWN: C-SLAFTER CHKD: FSMITH APPR: FSMITH | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | | SCALE | | |
| | | MM | INCH | MM/IN | | 2:1 | |
| | 4 PLACES | ± | ± | DRWN BY | DATE | | |
| | 3 PLACES | ± | ± 0.01 | POLGAR | 2002/12/10 | | |
| | 2 PLACES | ± 0.25 | ± 0.014 | CHK'D BY | DATE | | |
| 1 PLACES | ± 0.38 | ± | MARGULIS | 2002/12/17 | | | |
| 0 PLACES | ± | ± | APPR BY | DATE | | | |
| | ANGULAR TOL ± 2.0 | | FSMITH | 2011/05/02 | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DRAWING SIZE | THIRD ANGLE PROJECTION | | | |
| G15 | | | B | | | | |



VERT. HDR. ASSY, BMI/CPI
MAKE-FIRST/BREAK-LAST MINI-FIT BMI SERIES

PRODUCT CUSTOMER DRAWING

| | | |
|-----------------|-----------------|----------------|
| SERIES | MATERIAL NUMBER | CUSTOMER |
| 43879 | SEE CHART | GENERAL MARKET |
| DOCUMENT NUMBER | DOC TYPE | DOC PART |
| SD-43879-061 | PSD | 000 |
| SHEET NUMBER | | 4 OF 4 |