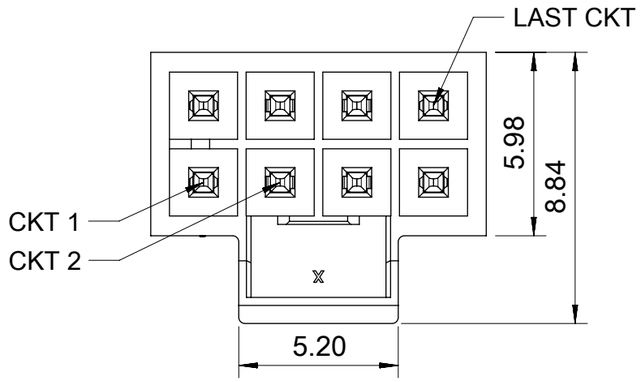
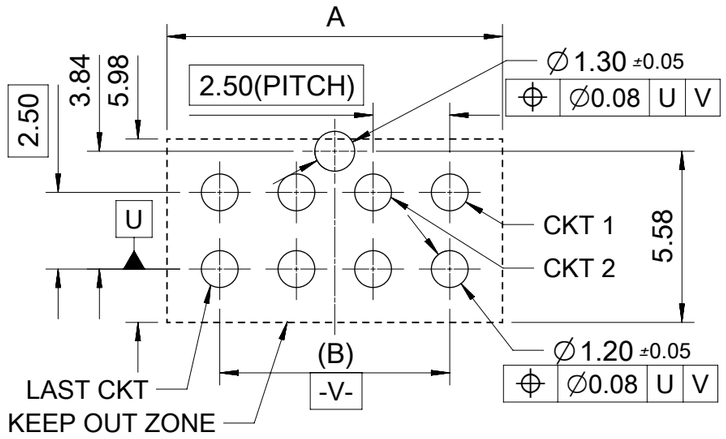
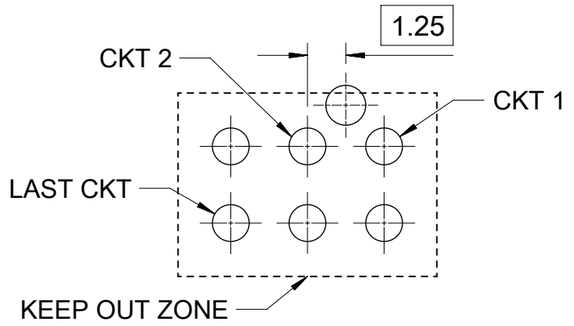
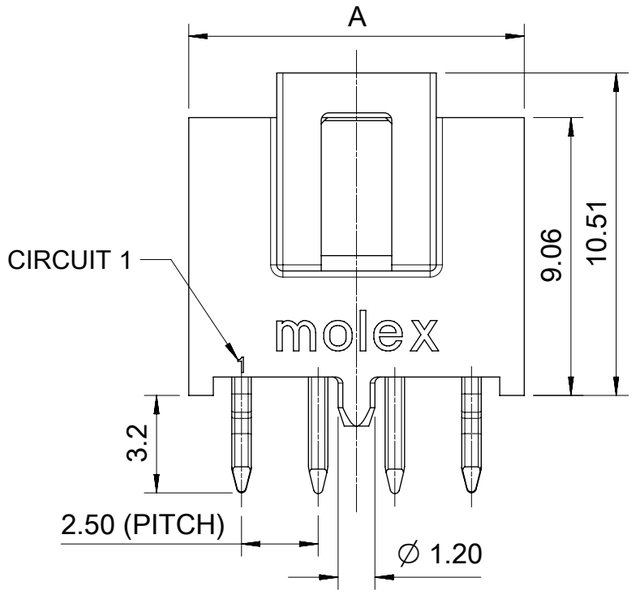
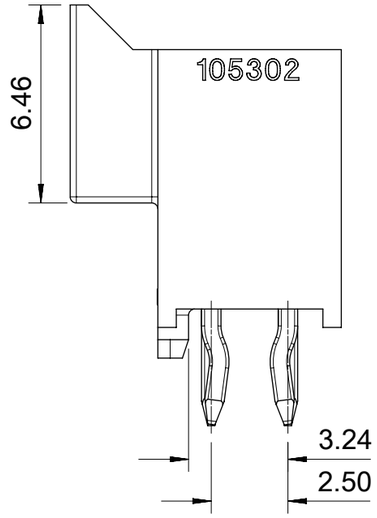


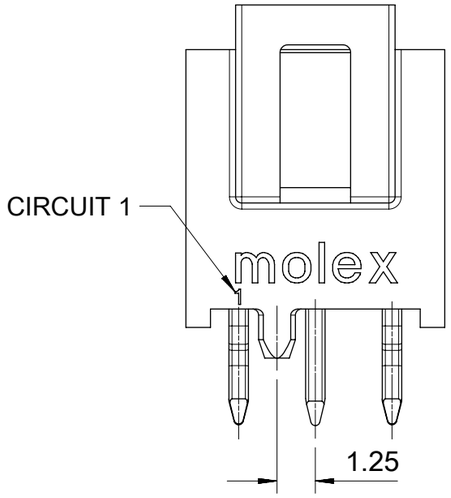




RECOMMENDED PCB(CONNECTOR SIDE VIEW)
THICKNESS=1.6 TO 2.4 MM

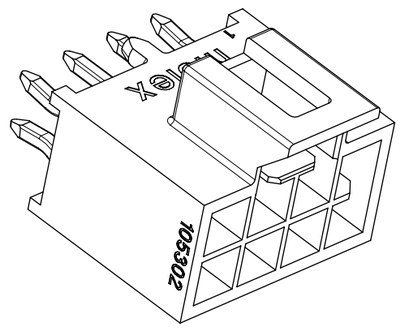



ONLY FOR CKT 6, 10, 14
OTHER DIMENSIONS REFER TO LEFT VIEWS.




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

| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 3.0 ° |
| 4 PLACES | ± |
| 3 PLACES | ± 0.1 |
| 2 PLACES | ± 0.2 |
| 1 PLACE | ± 0.3 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 826596
DRWN: LEOW 2025/06/24
CHK'D: XQZHANG 2025/06/26
APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/03/21
APPR: AYIN 2015/04/08

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HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR

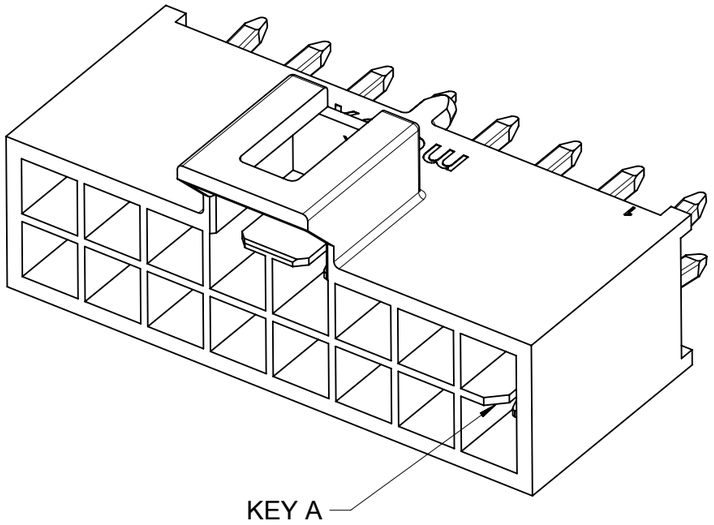
PRODUCT CUSTOMER DRAWING

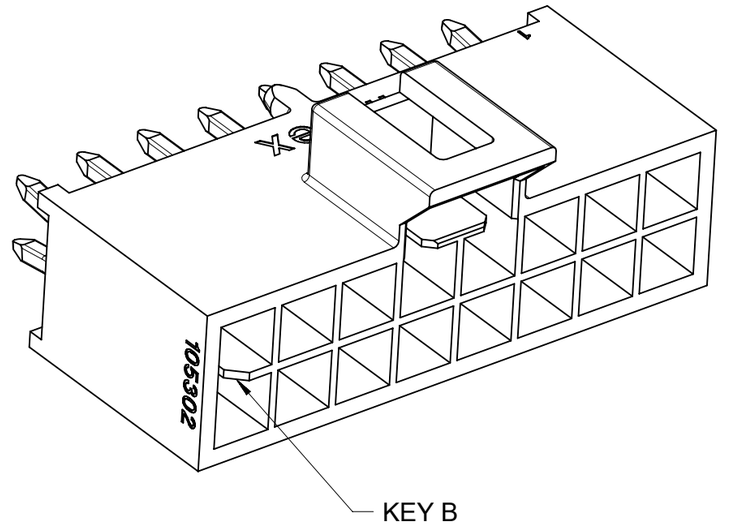
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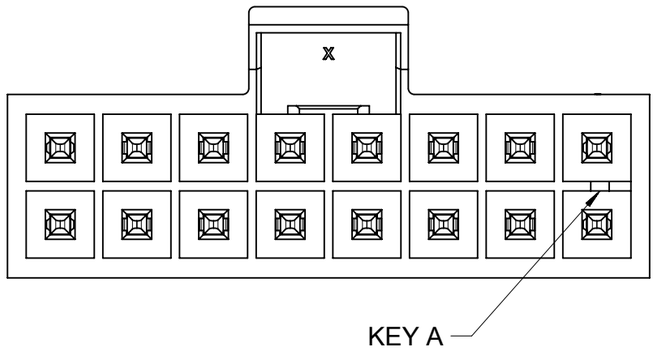
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|---|---|---|---|---|---|
| | A3-SIZE | 105310 | | GENERAL MARKET | 1 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/26 09:45:41 |
|---|---|---|---|

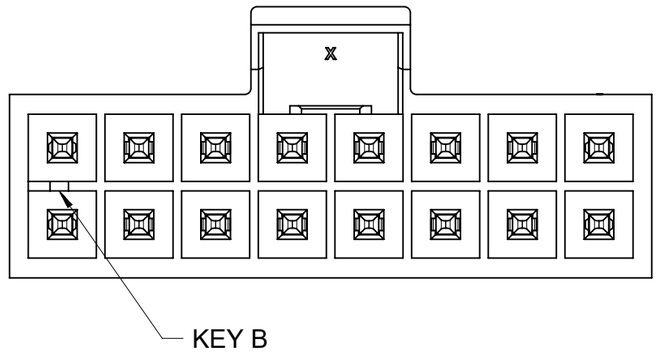
FORMAT: master_drawing-A3
REVISION: J1
DATE: 2021/05/06




BLACK




NATURAL

COLOR OPTION

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

| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 3.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | 0.1 |
| 2 PLACES | ± | 0.2 |
| 1 PLACE | ± | 0.3 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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EC NO: 826596
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APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/03/21
APPR: AYIN 2015/04/08

molex

HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR

PRODUCT CUSTOMER DRAWING

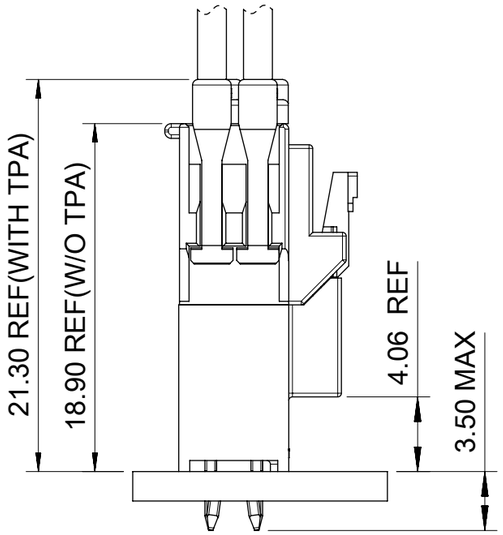
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-105310-100 | PSD | 000 | H2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 105310 | | GENERAL MARKET | 2 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/26 09:45:41 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

| PART NUMBER | DIM 'A' | DIM 'B' | CKT SIZE | PLATING | LUBE |
|---|---|---|---|---|---|
| 105310-1104 | 5.94 | 2.50 | 4 | TIN | NO |
| 105310-1106 | 8.44 | 5.00 | 6 | | |
| 105310-1108 | 10.94 | 7.50 | 8 | | |
| 105310-1110 | 13.44 | 10.00 | 10 | | |
| 105310-1112 | 15.94 | 12.50 | 12 | | |
| 105310-1114 | 18.44 | 15.00 | 14 | | |
| 105310-1116 | 20.94 | 17.50 | 16 | | |
| 105310-1204 | 5.94 | 2.50 | 4 | GOLD 0.38 | |
| 105310-1206 | 8.44 | 5.00 | 6 | | |
| 105310-1208 | 10.94 | 7.50 | 8 | | |
| 105310-1210 | 13.44 | 10.00 | 10 | | |
| 105310-1212 | 15.94 | 12.50 | 12 | | |
| 105310-1214 | 18.44 | 15.00 | 14 | | |
| 105310-1216 | 20.94 | 17.50 | 16 | | |
| 105310-1304 | 5.94 | 2.50 | 4 | GOLD 0.76 | |
| 105310-1306 | 8.44 | 5.00 | 6 | | |
| 105310-1308 | 10.94 | 7.50 | 8 | | |
| 105310-1310 | 13.44 | 10.00 | 10 | | |
| 105310-1312 | 15.94 | 12.50 | 12 | | |
| 105310-1314 | 18.44 | 15.00 | 14 | | |
| 105310-1316 | 20.94 | 17.50 | 16 | | |
| 105310-1404 | 5.94 | 2.50 | 4 | GOLD 0.76 | YES |
| 105310-1406 | 8.44 | 5.00 | 6 | | |
| 105310-1408 | 10.94 | 7.50 | 8 | | |
| 105310-1410 | 13.44 | 10.00 | 10 | | |
| 105310-1412 | 15.94 | 12.50 | 12 | | |
| 105310-1414 | 18.44 | 15.00 | 14 | | |
| 105310-1416 | 20.94 | 17.50 | 16 | | |
| COLOR: BLACK | | | | | |




105310- * * * *

- CIRCUIT SIZE
- PLATING OPTION
  - 1 - TIN
  - 2 - GOLD 0.38
  - 3 - GOLD 0.76
  - 4 - GOLD AND LUBE
  - 5 - GOLD 0.025
- COLOR OPTION
  - 1 - BLACK
  - 2 - NATURAL

| PART NUMBER | DIM 'A' | DIM 'B' | CKT SIZE | PLATING | LUBE |
|---|---|---|---|---|---|
| 105310-2104 | 5.94 | 2.50 | 4 | TIN | NO |
| 105310-2106 | 8.44 | 5.00 | 6 | | |
| 105310-2108 | 10.94 | 7.50 | 8 | | |
| 105310-2110 | 13.44 | 10.00 | 10 | | |
| 105310-2112 | 15.94 | 12.50 | 12 | | |
| 105310-2114 | 18.44 | 15.00 | 14 | | |
| 105310-2116 | 20.94 | 17.50 | 16 | | |
| 105310-2204 | 5.94 | 2.50 | 4 | GOLD 0.38 | |
| 105310-2206 | 8.44 | 5.00 | 6 | | |
| 105310-2208 | 10.94 | 7.50 | 8 | | |
| 105310-2210 | 13.44 | 10.00 | 10 | | |
| 105310-2212 | 15.94 | 12.50 | 12 | | |
| 105310-2214 | 18.44 | 15.00 | 14 | | |
| 105310-2216 | 20.94 | 17.50 | 16 | | |
| 105310-2304 | 5.94 | 2.50 | 4 | GOLD 0.76 | |
| 105310-2306 | 8.44 | 5.00 | 6 | | |
| 105310-2308 | 10.94 | 7.50 | 8 | | |
| 105310-2310 | 13.44 | 10.00 | 10 | | |
| 105310-2312 | 15.94 | 12.50 | 12 | | |
| 105310-2314 | 18.44 | 15.00 | 14 | | |
| 105310-2316 | 20.94 | 17.50 | 16 | | |
| 105310-2404 | 5.94 | 2.50 | 4 | GOLD 0.76 | YES |
| 105310-2406 | 8.44 | 5.00 | 6 | | |
| 105310-2408 | 10.94 | 7.50 | 8 | | |
| 105310-2410 | 13.44 | 10.00 | 10 | | |
| 105310-2412 | 15.94 | 12.50 | 12 | | |
| 105310-2414 | 18.44 | 15.00 | 14 | | |
| 105310-2416 | 20.94 | 17.50 | 16 | | |
| COLOR: NATURAL | | | | | |

| PART NUMBER | DIM 'A' | DIM 'B' | CKT SIZE | PLATING | LUBE |
|---|---|---|---|---|---|
| 105310-1504 | 5.94 | 2.50 | 4 | GOLD 0.025 | NO |
| 105310-1506 | 8.44 | 5.00 | 6 | | |
| 105310-1508 | 10.94 | 7.50 | 8 | | |
| 105310-1510 | 13.44 | 10.00 | 10 | | |
| 105310-1512 | 15.94 | 12.50 | 12 | | |
| 105310-1514 | 18.44 | 15.00 | 14 | | |
| 105310-1516 | 20.94 | 17.50 | 16 | | |
| COLOR: BLACK | | | | | |

| PART NUMBER | DIM 'A' | DIM 'B' | CKT SIZE | PLATING | LUBE |
|---|---|---|---|---|---|
| 105310-2504 | 5.94 | 2.50 | 4 | GOLD 0.025 | NO |
| 105310-2506 | 8.44 | 5.00 | 6 | | |
| 105310-2508 | 10.94 | 7.50 | 8 | | |
| 105310-2510 | 13.44 | 10.00 | 10 | | |
| 105310-2512 | 15.94 | 12.50 | 12 | | |
| 105310-2514 | 18.44 | 15.00 | 14 | | |
| 105310-2516 | 20.94 | 17.50 | 16 | | |
| COLOR: NATURAL | | | | | |

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| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 3.0 ° |
| 4 PLACES | ± |
| 3 PLACES | ± 0.1 |
| 2 PLACES | ± 0.2 |
| 1 PLACE | ± 0.3 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 826596
DRWN: LEOW 2025/06/24
CHK'D: XQZHANG 2025/06/26
APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/03/21
APPR: AYIN 2015/04/08

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 105310

molex

HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR

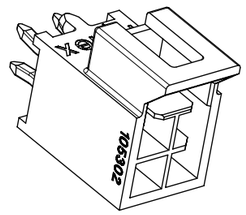
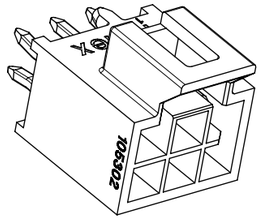
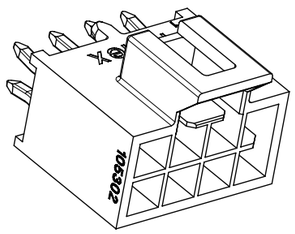
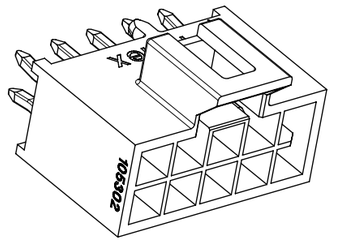
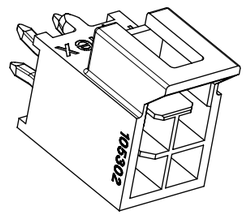
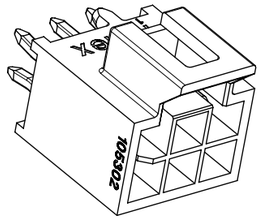
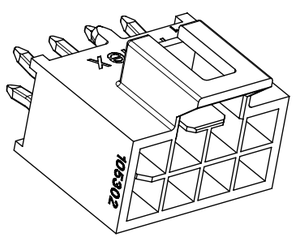
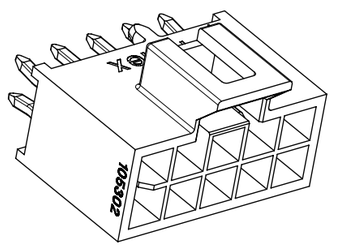
PRODUCT CUSTOMER DRAWING

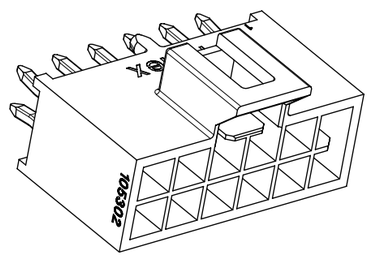
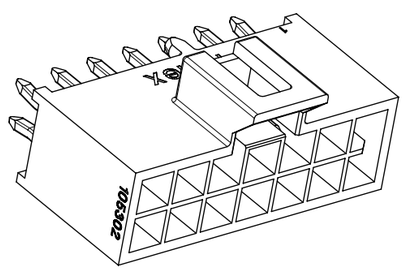
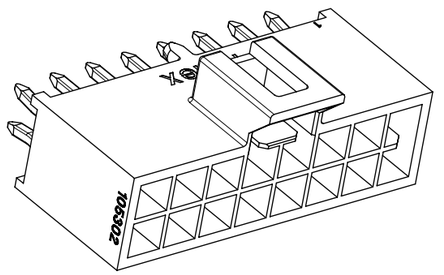
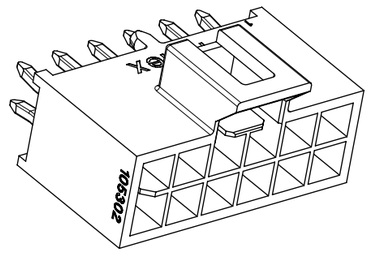
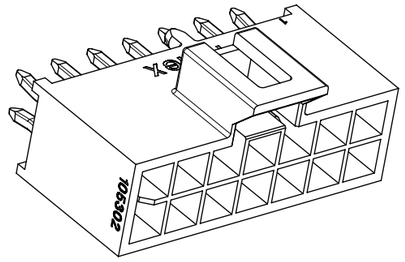
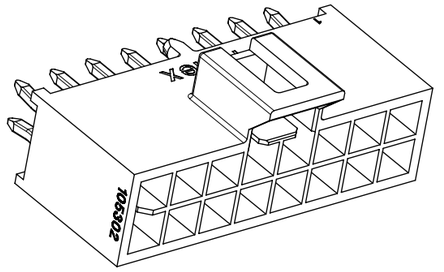
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-105310-100 | PSD | 000 | H2 |

MATERIAL NUMBER | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 3 OF 5

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/26 09:45:41 |
|---|---|---|---|

FORMAT: master_format-A3
REVISION: J1
DATE: 2021/05/06

| | 4 CKT | 6 CKT | 8 CKT | 10 CKT |
|---|---|---|---|---|
| BLACK |  |  |  |  |
| NATURAL |  |  |  |  |

| | 12 CKT | 14 CKT | 16 CKT |
|---|---|---|---|
| BLACK |  |  |  |
| NATURAL |  |  |  |

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GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
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| ANGULAR TOL | ± | 3.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | 0.1 |
| 2 PLACES | ± | 0.2 |
| 1 PLACE | ± | 0.3 |
| 0 PLACES | ± | |

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HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR

PRODUCT CUSTOMER DRAWING

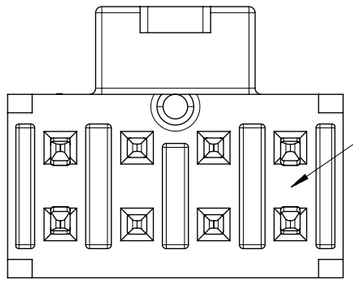
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-105310-100 | PSD | 000 | H2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 105310 | | GENERAL MARKET | 4 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/26 09:45:41 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

| NOTES FOR ALL PARTS | |
|---|---|
| 1> MATERIAL:<br>HOUSING: LCP, UL 94V-0; TERMINAL: BRASS.<br>2> PLATING FINISHED:<br>TERMINAL:<br>CONTACT AREA: a. REFLOWED MATTE TIN 1.5MICRONS MIN;<br>b. GOLD 0.38 MICRONS MIN;<br>c. GOLD 0.76 MICRONS MIN.<br>d. GOLD 0.025 MICRONS MIN.<br>SOLDER AREA: TIN 1.5 MICRONS MIN, UNDER PLATING NICKEL 1.25 MICRONS MIN.<br>SOLDER CLIP: TIN 2.5 MICRONS MIN, UNDER PLATING NICKEL 1.25 MICRONS MIN. | 3> PRODUCT SPECIFICATION: PS-105300-100.<br>4> PACKAGE: TRAY, PK-105309-100.<br>5> PRODUCT MATE WITH SERIES OF 105308 AND 226362(RECEPTACLE).<br>6> PARTS CONFORM TO CLASS 'B'REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.<br>7> DISCOLORATION IN THE BANDOLIER PIN CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING DEFECT OF THE CARRIER, THIS DISCOLORATION IS IN A NON-FUNCTION AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY. |



IF ANY NUMBER MARK APPEARS ON THIS SURFACE, PLEASE DISREGARD IT, IT IS NO ANY FUCTION AND NO ANY RELATION TO PIN NUMBER, IT IS JUST FOR MOLDING IDENDIFICATION.

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|---|---|
| mm | NTS |

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| 2 PLACES | ± 0.2 |
| 1 PLACE | ± 0.3 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 826596
DRWN: LEOW 2025/06/24
CHK'D: XQZHANG 2025/06/26
APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/03/21
APPR: AYIN 2015/04/08

molex

HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-105310-100 | PSD | 000 | H2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 105310 | | GENERAL MARKET | 5 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/26 09:45:41 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01