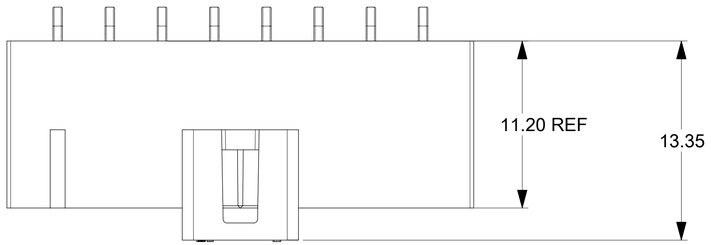
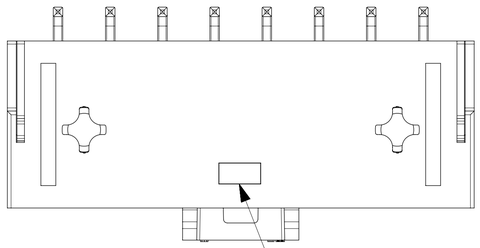
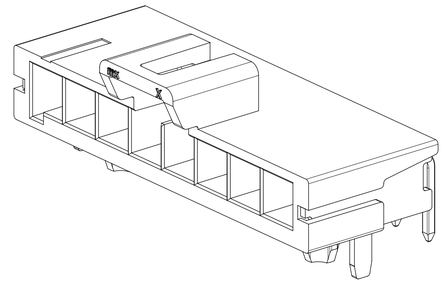
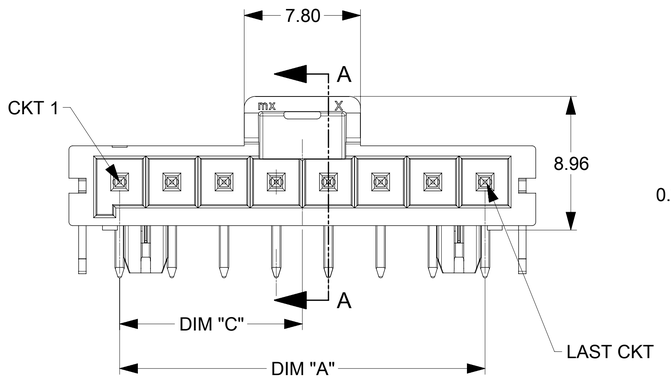
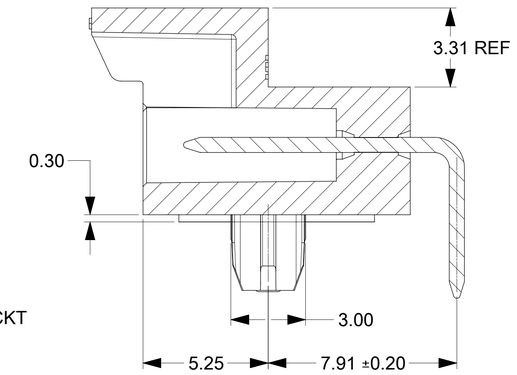


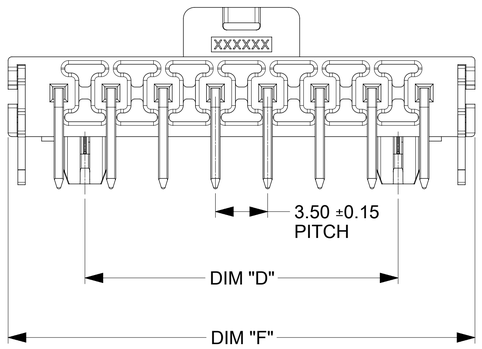



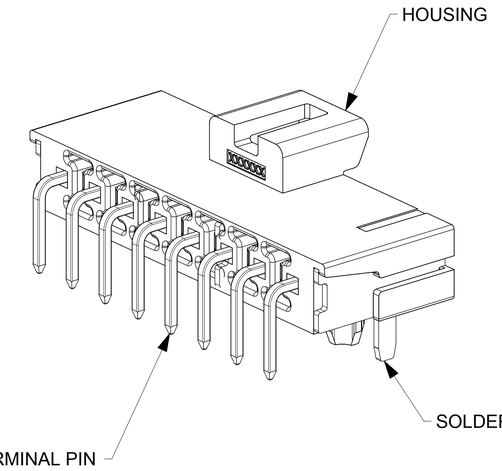





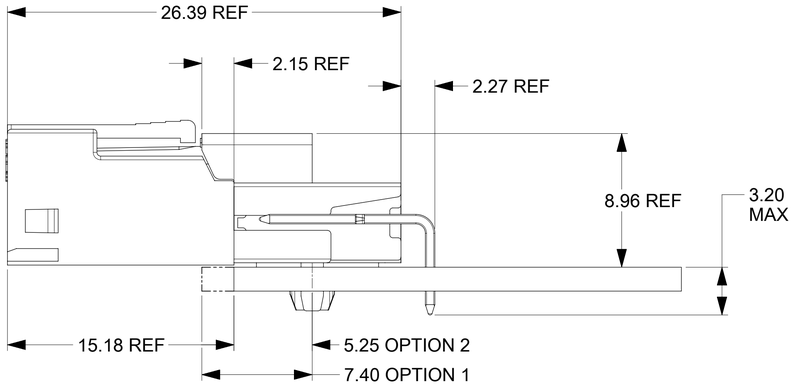

SECTION A-A
SCALE 8:1




NOTES:

1. MATERIAL :
   HOUSING:
   OPTION 1: LCP BLACK, UL94V-0
   OPTION 2: LCP NATURAL, UL94V-0
   TERMINAL: COPPER ALLOY
2. PLATING FINISH:
   OPTION 1 - 1.5µm(60µin)-2.5µm(100µin) REFLOW MATTE TIN OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
   OPTION 2 - 0.35µm(15µin) GOLD CONTACT AREA,
   1.5µm(60µin)-2.5µm(100µin) MATTE TIN OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
   OPTION 3 - 0.70µm(30µin) GOLD CONTACT AREA,
   1.5µm(60µin)-2.5µm(100µin) MATTE TIN OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
2. PARTS TO BE PACKAGED PER CHART FOR DETAIL
3. PRODUCT SPECIFICATION PS-172323-0001
4. PART MATES WITH MOLEX RECEPTACLE HOUSING
   172256 AND 172260
5. PART CONFORMS TO CLASS "C" REQUIREMENTS OF MOLEX COSMETIC
   SPECIFICATION.
   PS-45499-002 WITH 0.13 MM MAXIMUM FLASH ALLOWED IN CORE
   HOLES AND FRONT SURFACE.
6. LASER MARK CODE IN A FORMAT DDDY
7. PARTS ARE NOT DESIGNED FOR CURRENT SHARING.




OPTION 1: LATCH FLUSH WITH PCB EDGE
OPTION 2: HOUSING BODY FLUSH WITH PCB EDGE

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/10/30 03:31:17 |
|---|---|---|---|

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

| SYMBOLS | |
|---|---|
| A = 0 | |
| E = 0 | |
| F = 0 | |
| S = 0 | |
| = 0 | |
| C = 0 | |
| = 0 | |
| = 0 | |
| = 0 | |

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 5:1 |

| GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
|---|---|---|
| ANGULAR TOL | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.13 |
| 1 PLACE | ± | 0.25 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 767102
DRWN: LEOW 2023/07/19
CHK'D: XQZHANG 2023/10/30
APPR: XQZHANG 2023/10/30

INITIAL REVISION:
DRWN: PPEREZ03 2016/02/22
APPR: RHODGE 2016/06/21

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 172310

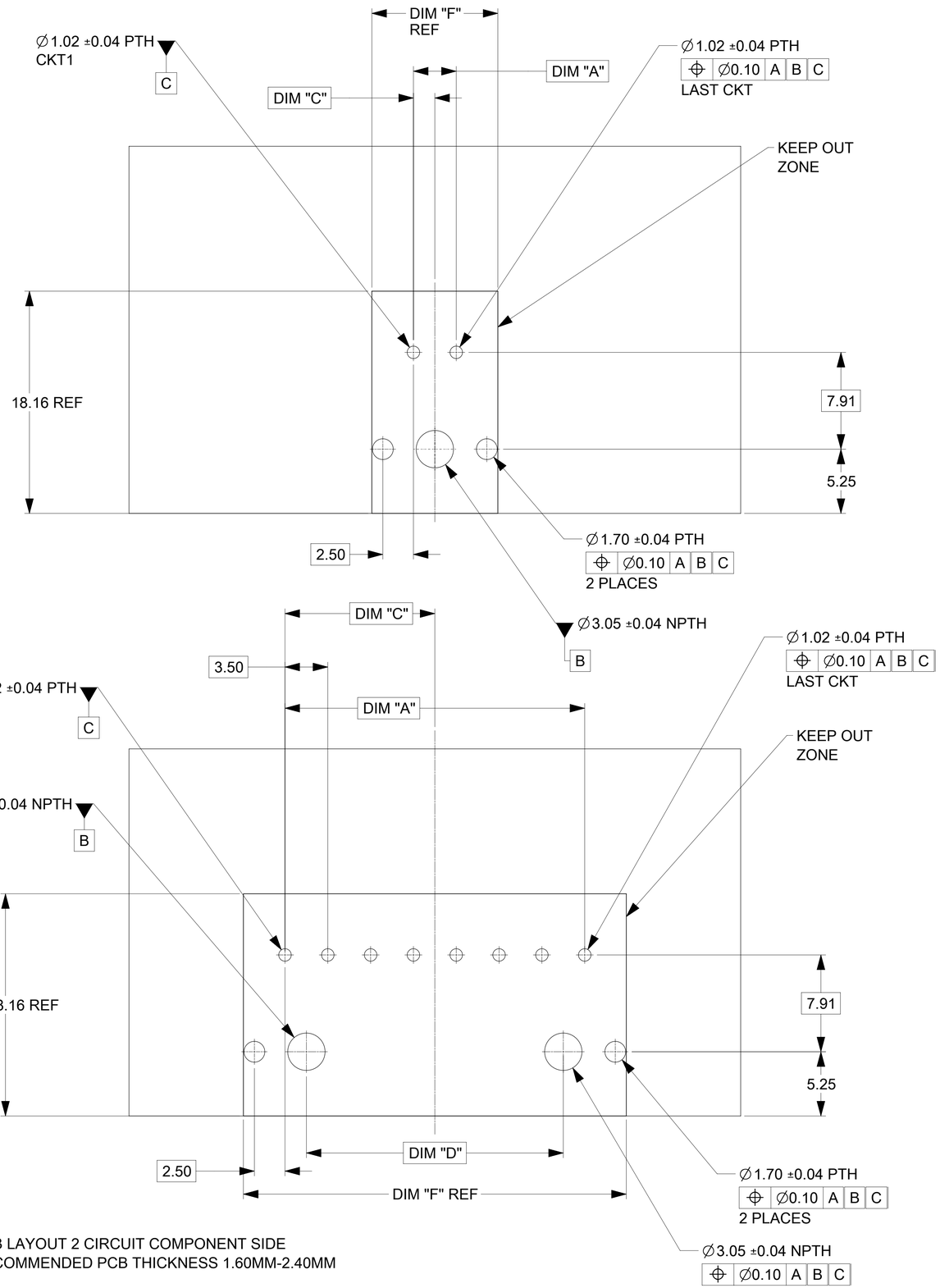
molex

ULTRA-FIT SR R/A HEAD SN ASSY

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1723102000 | PSD | 000 | B2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | | 1 OF 3 |




PCB LAYOUT 2 CIRCUIT COMPONENT SIDE
RECOMMENDED PCB THICKNESS 1.60MM-2.40MM

| TIN PLATING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PART NO. | COLOR | CIRCUIT SIZE | KEY OPTION | DIM A | DIM F | DIM C | DIM D | PACKING SPEC |
| 172310-3102 | BLACK | 2 | KEY A | 3.50 | 10.30 | 1.75 | 0.00 | PK-172310-9001 |
| 172310-3103 | BLACK | 3 | KEY A | 7.00 | 13.80 | 3.50 | 0.00 | |
| 172310-3104 | BLACK | 4 | KEY A | 10.50 | 17.30 | 5.25 | 7.00 | |
| 172310-3105 | BLACK | 5 | KEY A | 14.00 | 20.80 | 7.00 | 10.50 | |
| 172310-3106 | BLACK | 6 | KEY A | 17.50 | 24.30 | 8.75 | 14.00 | |
| 172310-3107 | BLACK | 7 | KEY A | 21.00 | 27.80 | 10.50 | 17.50 | |
| 172310-3108 | BLACK | 8 | KEY A | 24.50 | 31.30 | 12.25 | 21.00 | |
| 172310-4102 | NATURAL | 2 | KEY B | 3.50 | 10.30 | 1.75 | 0.00 | |
| 172310-4103 | NATURAL | 3 | KEY B | 7.00 | 13.80 | 3.50 | 0.00 | |
| 172310-4104 | NATURAL | 4 | KEY B | 10.50 | 17.30 | 5.25 | 7.00 | |
| 172310-4105 | NATURAL | 5 | KEY B | 14.00 | 20.80 | 7.00 | 10.50 | |
| 172310-4106 | NATURAL | 6 | KEY B | 17.50 | 24.30 | 8.75 | 14.00 | |
| 172310-4107 | NATURAL | 7 | KEY B | 21.00 | 27.80 | 10.50 | 17.50 | |
| 172310-4108 | NATURAL | 8 | KEY B | 24.50 | 31.30 | 12.25 | 21.00 | |
| 172310-8103 | BLACK | 3 | KEY A | 7.00 | 13.80 | 3.50 | 0.00 | 1723108000-PK |
| 172310-9103 | NATURAL | 3 | KEY B | 7.00 | 13.80 | 3.50 | 0.00 | |

| 15 MICROINCH GOLD PLATING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PART NO. | COLOR | CIRCUIT SIZE | KEY OPTION | DIM A | DIM F | DIM C | DIM D | PACKING SPEC |
| 172310-3202 | BLACK | 2 | KEY A | 3.50 | 10.30 | 1.75 | 0.00 | PK-172310-9001 |
| 172310-3203 | BLACK | 3 | KEY A | 7.00 | 13.80 | 3.50 | 0.00 | |
| 172310-3204 | BLACK | 4 | KEY A | 10.50 | 17.30 | 5.25 | 7.00 | |
| 172310-3205 | BLACK | 5 | KEY A | 14.00 | 20.80 | 7.00 | 10.50 | |
| 172310-3206 | BLACK | 6 | KEY A | 17.50 | 24.30 | 8.75 | 14.00 | |
| 172310-3207 | BLACK | 7 | KEY A | 21.00 | 27.80 | 10.50 | 17.50 | |
| 172310-3208 | BLACK | 8 | KEY A | 24.50 | 31.30 | 12.25 | 21.00 | |
| 172310-4202 | NATURAL | 2 | KEY B | 3.50 | 10.30 | 1.75 | 0.00 | |
| 172310-4203 | NATURAL | 3 | KEY B | 7.00 | 13.80 | 3.50 | 0.00 | |
| 172310-4204 | NATURAL | 4 | KEY B | 10.50 | 17.30 | 5.25 | 7.00 | |
| 172310-4205 | NATURAL | 5 | KEY B | 14.00 | 20.80 | 7.00 | 10.50 | |
| 172310-4206 | NATURAL | 6 | KEY B | 17.50 | 24.30 | 8.75 | 14.00 | |
| 172310-4207 | NATURAL | 7 | KEY B | 21.00 | 27.80 | 10.50 | 17.50 | |
| 172310-4208 | NATURAL | 8 | KEY B | 24.50 | 31.30 | 12.25 | 21.00 | |
| 172310-8203 | BLACK | 3 | KEY A | 7.00 | 13.80 | 3.50 | 0.00 | 1723108000-PK |
| 172310-9203 | NATURAL | 3 | KEY B | 7.00 | 13.80 | 3.50 | 0.00 | |

| 30 MICROINCH PLATING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PART NO. | COLOR | CIRCUIT SIZE | KEY OPTION | DIM A | DIM F | DIM C | DIM D | PACKING SPEC |
| 172310-3302 | BLACK | 2 | KEY A | 3.50 | 10.30 | 1.75 | 0.00 | PK-172310-9001 |
| 172310-3303 | BLACK | 3 | KEY A | 7.00 | 13.80 | 3.50 | 0.00 | |
| 172310-3304 | BLACK | 4 | KEY A | 10.50 | 17.30 | 5.25 | 7.00 | |
| 172310-3305 | BLACK | 5 | KEY A | 14.00 | 20.80 | 7.00 | 10.50 | |
| 172310-3306 | BLACK | 6 | KEY A | 17.50 | 24.30 | 8.75 | 14.00 | |
| 172310-3307 | BLACK | 7 | KEY A | 21.00 | 27.80 | 10.50 | 17.50 | |
| 172310-3308 | BLACK | 8 | KEY A | 24.50 | 31.30 | 12.25 | 21.00 | |
| 172310-4302 | NATURAL | 2 | KEY B | 3.50 | 10.30 | 1.75 | 0.00 | |
| 172310-4303 | NATURAL | 3 | KEY B | 7.00 | 13.80 | 3.50 | 0.00 | |
| 172310-4304 | NATURAL | 4 | KEY B | 10.50 | 17.30 | 5.25 | 7.00 | |
| 172310-4305 | NATURAL | 5 | KEY B | 14.00 | 20.80 | 7.00 | 10.50 | |
| 172310-4306 | NATURAL | 6 | KEY B | 17.50 | 24.30 | 8.75 | 14.00 | |
| 172310-4307 | NATURAL | 7 | KEY B | 21.00 | 27.80 | 10.50 | 17.50 | |
| 172310-4308 | NATURAL | 8 | KEY B | 24.50 | 31.30 | 12.25 | 21.00 | |
| 172310-8303 | BLACK | 3 | KEY A | 7.00 | 13.80 | 3.50 | 0.00 | 1723108000-PK |
| 172310-9303 | NATURAL | 3 | KEY B | 7.00 | 13.80 | 3.50 | 0.00 | |

| SYMBOLS | |
|---|---|
| F = 0 | |
| E = 0 | |
| B = 0 | |
| S = 0 | |
| = 0 | |
| C = 0 | |
| = 0 | |
| = 0 | |
| = 0 | |

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

DIMENSION UNITS: mm | SCALE: 5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.13 |
| 1 PLACE | ± | 0.25 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 767102
DRWN: LEOW 2023/07/19
CHK'D: XQZHANG 2023/10/30
APPR: XQZHANG 2023/10/30

INITIAL REVISION:
DRWN: PPEREZ03 2016/02/22
APPR: RHODGE 2016/06/21

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 172310

molex

ULTRA-FIT SR R/A HEAD SN ASSY

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1723102000 | PSD | 000 | B2 |

MATERIAL NUMBER | CUSTOMER | SHEET NUMBER: 2 OF 3

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/10/30 | 03:31:17 |
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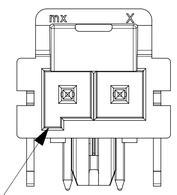
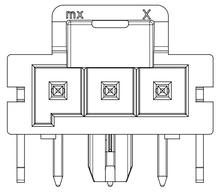



2CKT

KEY A (BLACK)

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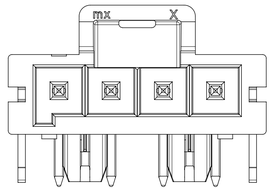


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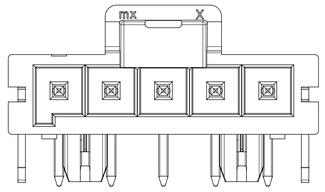


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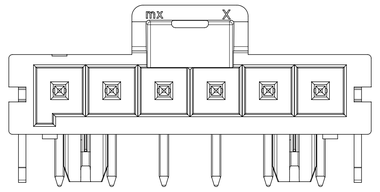


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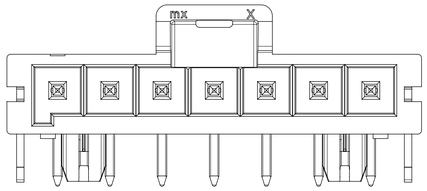
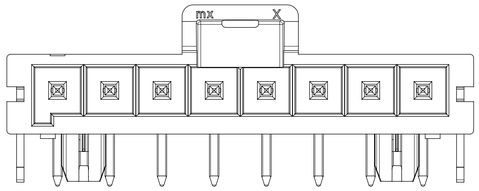
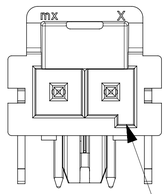



7CKT



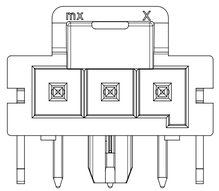

8CKT

# BLACK

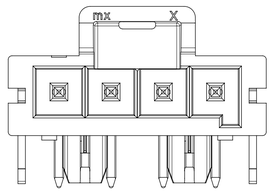



2 CKT

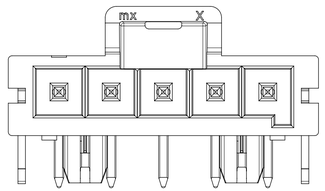
KEY B (NATURAL)



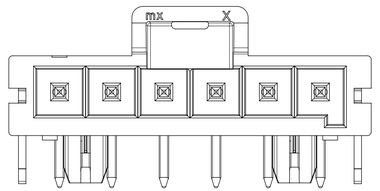

3 CKT



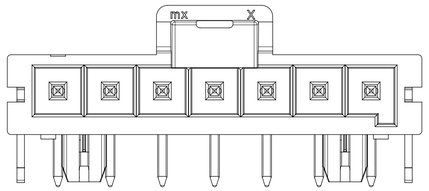

4 CKT



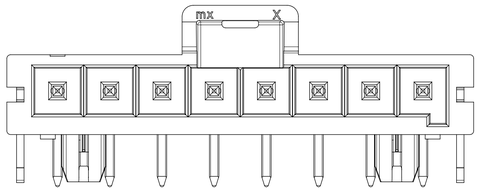

5 CKT




6 CKT




7 CKT




8 CKT

# NATURAL

# COLOR-POLARIZATION

| SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
|---|---|---|---|---|
| FA = 0 | DIMENSION UNITS: mm | SCALE: 5:1 | CURRENT REV DESC: | molex |
| FC = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | |
| FB = 0 | ANGULAR TOL ± ° | | EC NO: 767102 | ULTRA-FIT SR R/A HEAD SN ASSY |
| S = 0 | 4 PLACES ± | | DRWN: LEOW 2023/07/19 | |
| = 0 | 3 PLACES ± | | CHK'D: XQZHANG 2023/10/30 | PRODUCT CUSTOMER DRAWING |
| C = 0 | 2 PLACES ± 0.13 | | APPR: XQZHANG 2023/10/30 | |
| = 0 | 1 PLACE ± 0.25 | | INITIAL REVISION: | DOCUMENT NUMBER: 1723102000 \| DOC TYPE: PSD \| DOC PART: 000 \| REVISION: B2 |
| = 0 | 0 PLACES ± | | DRWN: PPEREZ03 2016/02/22 | |
| V = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | APPR: RHODGE 2016/06/21 | |
| | THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 172310 | MATERIAL NUMBER \| CUSTOMER \| SHEET NUMBER: 3 OF 3 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/10/30 03:31:17 |
|---|---|---|---|