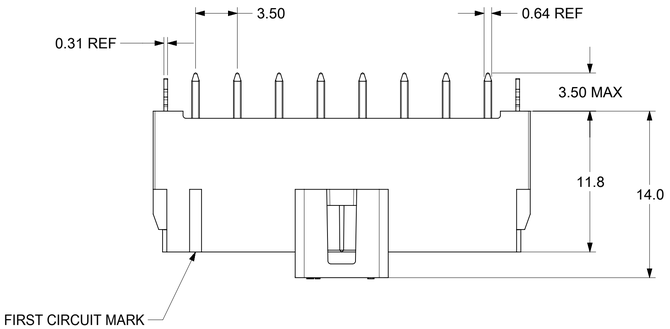
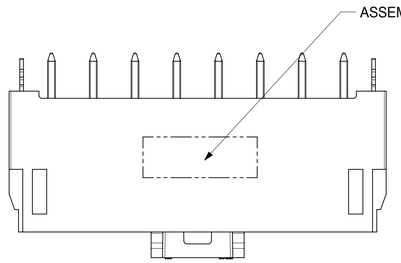
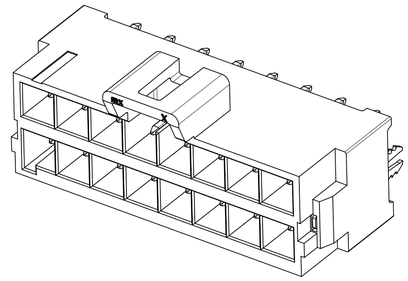
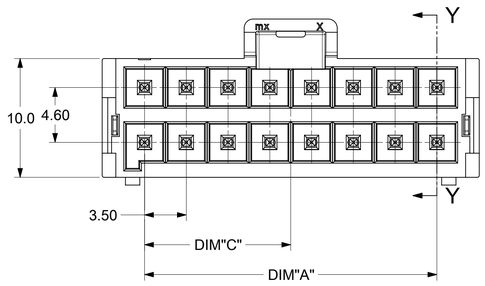
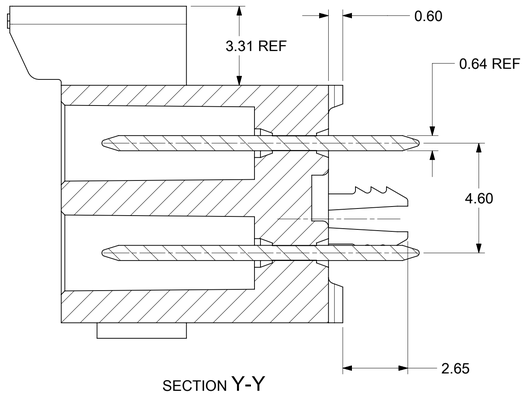


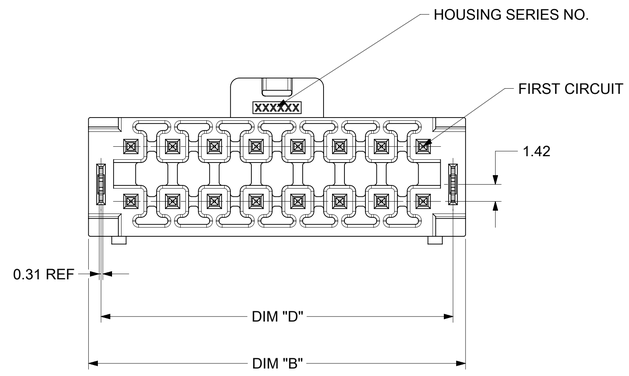





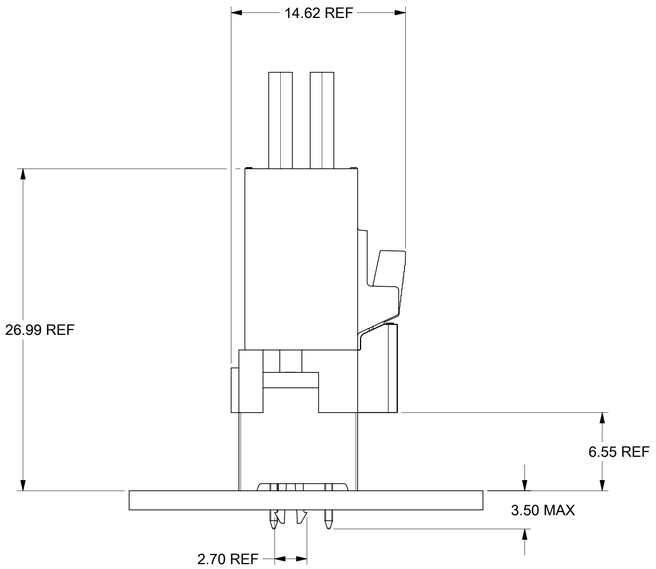



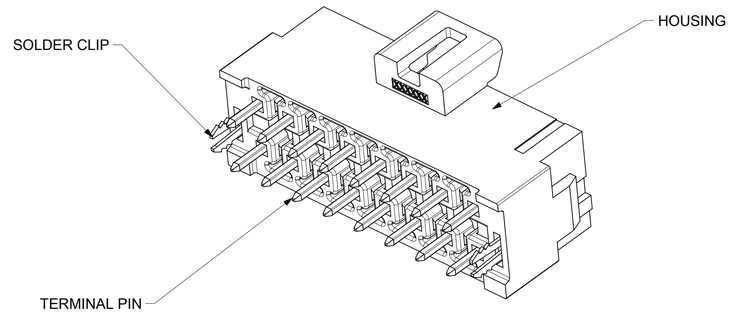

SECTION Y-Y
SCALE 8:1




NOTES:

1. MATERIAL:
   HOUSING
   OPTION 1: LCP BLACK, UL94 V-0
   OPTION 2: LCP NATURAL, UL94 V-0
   TERMINAL: COPPER ALLOY
2. PLATING FINISH:
   OPTION 1 - 1.5µm(60µin)-2.5µm(100µin) TIN OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
   OPTION 2 - 0.35µm(15µin) GOLD CONTACT AREA,
   1.5µm(60µin)-2.5µm(100µin) TIN TAIL AREA OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
   OPTION 3 - 0.70µm(30µin) GOLD CONTACT AREA,
   1.5µm(60µin)-2.5µm(100µin) TIN TAIL AREA 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
   172258 AND 172262
5. PART CONFORMS TO CLASS "C" REQUIREMENTS OF SPECIFICATION
   PS-45499-002 WITH 0.13 MM MAXIMUM FLASH ALLOWED IN CORE
   HOLES AND FRONT SURFACE.
6. DISCOLORATION IN THE BANDOLIER AREA OF THE PIN IS
   INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING
   EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL
   AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE
   HEADER ASSEMBLY.
7. APPLUCATION SPECIFICATION: AS-172323-0001




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 | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.25 |
| 1 PLACE | ± | 0.5 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 755556
DRWN: LEOW 2023/05/12
CHK'D: XQZHANG 2023/07/05
APPR: XQZHANG 2023/07/05

INITIAL REVISION:
DRWN: DROSCA 2014/03/04
APPR: JCOMERCI 2014/04/24

molex

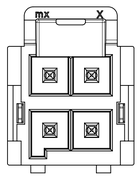
ULTRA-FIT VERT HEADER
4-16 CKTS DUAL ROW WITH SOLDER CLIP

PRODUCT CUSTOMER DRAWING

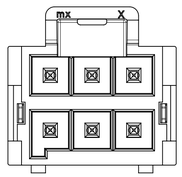
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-172299-1000 | PSD | 000 | C2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 172299 | | GENERAL MARKET | 1 OF 3 |

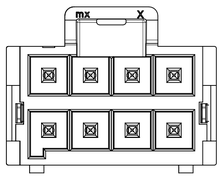
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/07/05 | 22:45:52 |
|---|---|---|---|---|



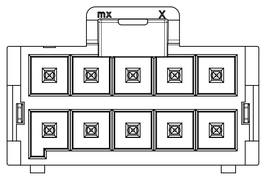
4 CKT



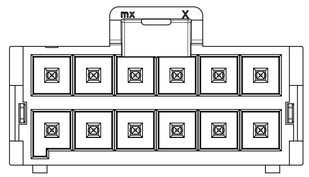
6 CKT



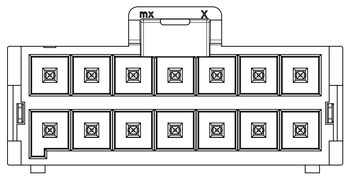
8 CKT



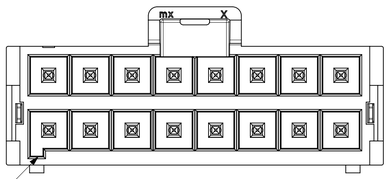
10 CKT



12 CKT

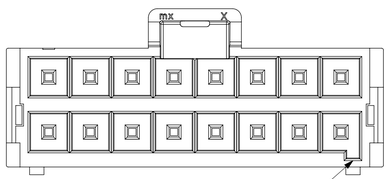


14 CKT

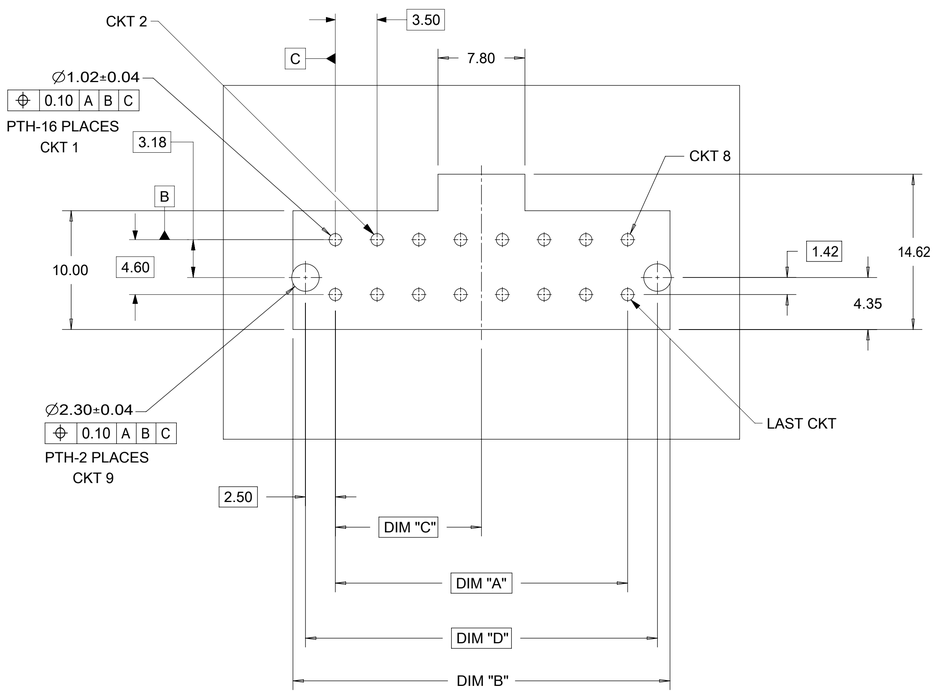


16 CKT

KEY A
(BLACK)



KEY B
(NATURAL)




PCB LAYOUT COMPONENT SIDE
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

NOTE: DATUM -A- IS ON PCB COMPONENT SIDE

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/07/05 22:45:52 |
|---|---|---|---|

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.25 |
| 1 PLACE | ± | 0.5 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 755556
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CHK'D: XQZHANG 2023/07/05
APPR: XQZHANG 2023/07/05

INITIAL REVISION:
DRWN: DROSCA 2014/03/04
APPR: JCOMERCI 2014/04/24

molex

ULTRA-FIT VERT HEADER
4-16 CKTS DUAL ROW WITH SOLDER CLIP

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-172299-1000 | PSD | 000 | C2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 172299 | | GENERAL MARKET | 2 OF 3 |

| TIN PLATING | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NO. | KAPTON TAPE | COLOR | CIRCUIT SIZE | KEY OPTION | DIM A | DIM B | DIM C | DIM D | PACKING SPEC |
| 172299-1104 | WITHOUT | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | PK-172299-9001 |
| 172299-1106 | WITHOUT | BLACK | 6 | KEY A | 7.00 | 14.10 | 3.50 | 12.00 | |
| 172299-1108 | WITHOUT | BLACK | 8 | KEY A | 10.50 | 17.60 | 5.25 | 15.50 | |
| 172299-1110 | WITHOUT | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-1112 | WITHOUT | BLACK | 12 | KEY A | 17.50 | 24.60 | 8.75 | 22.50 | |
| 172299-1114 | WITHOUT | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-1116 | WITHOUT | BLACK | 16 | KEY A | 24.50 | 31.60 | 12.25 | 29.50 | |
| 172299-2104 | WITHOUT | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-2106 | WITHOUT | NATURAL | 6 | KEY B | 7.00 | 14.10 | 3.50 | 12.00 | |
| 172299-2108 | WITHOUT | NATURAL | 8 | KEY B | 10.50 | 17.60 | 5.25 | 15.50 | |
| 172299-2110 | WITHOUT | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-2112 | WITHOUT | NATURAL | 12 | KEY B | 17.50 | 24.60 | 8.75 | 22.50 | |
| 172299-2114 | WITHOUT | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-2116 | WITHOUT | NATURAL | 16 | KEY B | 24.50 | 31.60 | 12.25 | 29.50 | |
| 172299-3104 | WITH | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | 1722991000-PK |
| 172299-3110 | WITH | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-3114 | WITH | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-4104 | WITH | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-4110 | WITH | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-4114 | WITH | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-8104 | WITHOUT | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-8110 | WITHOUT | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-8114 | WITHOUT | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-9104 | WITHOUT | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-9110 | WITHOUT | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-9114 | WITHOUT | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |

| 30 MICROINCH GOLD PLATING | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NO. | KAPTON TAPE | COLOR | CIRCUIT SIZE | KEY OPTION | DIM A | DIM B | DIM C | DIM D | PACKING SPEC |
| 172299-1304 | WITHOUT | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | PK-172299-9001 |
| 172299-1306 | WITHOUT | BLACK | 6 | KEY A | 7.00 | 14.10 | 3.50 | 12.00 | |
| 172299-1308 | WITHOUT | BLACK | 8 | KEY A | 10.50 | 17.60 | 5.25 | 15.50 | |
| 172299-1310 | WITHOUT | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-1312 | WITHOUT | BLACK | 12 | KEY A | 17.50 | 24.60 | 8.75 | 22.50 | |
| 172299-1314 | WITHOUT | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-1316 | WITHOUT | BLACK | 16 | KEY A | 24.50 | 31.60 | 12.25 | 29.50 | |
| 172299-2304 | WITHOUT | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-2306 | WITHOUT | NATURAL | 6 | KEY B | 7.00 | 14.10 | 3.50 | 12.00 | |
| 172299-2308 | WITHOUT | NATURAL | 8 | KEY B | 10.50 | 17.60 | 5.25 | 15.50 | |
| 172299-2310 | WITHOUT | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-2312 | WITHOUT | NATURAL | 12 | KEY B | 17.50 | 24.60 | 8.75 | 22.50 | |
| 172299-2314 | WITHOUT | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-2316 | WITHOUT | NATURAL | 16 | KEY B | 24.50 | 31.60 | 12.25 | 29.50 | |
| 172299-7310 | WITHOUT | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | 1722999002-PK |
| 172299-7314 | WITHOUT | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-3304 | WITH | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | 1722991000-PK |
| 172299-3310 | WITH | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-3314 | WITH | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-4304 | WITH | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-4310 | WITH | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-4314 | WITH | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-8304 | WITHOUT | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-8310 | WITHOUT | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-8314 | WITHOUT | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-9304 | WITHOUT | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-9310 | WITHOUT | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-9314 | WITHOUT | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |

| 15 MICROINCH GOLD PLATING | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PART NO. | KAPTON TAPE | COLOR | CIRCUIT SIZE | KEY OPTION | DIM A | DIM B | DIM C | DIM D | PACKING SPEC |
| 172299-1204 | WITHOUT | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | PK-172299-9001 |
| 172299-1206 | WITHOUT | BLACK | 6 | KEY A | 7.00 | 14.10 | 3.50 | 12.00 | |
| 172299-1208 | WITHOUT | BLACK | 8 | KEY A | 10.50 | 17.60 | 5.25 | 15.50 | |
| 172299-1210 | WITHOUT | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-1212 | WITHOUT | BLACK | 12 | KEY A | 17.50 | 24.60 | 8.75 | 22.50 | |
| 172299-1214 | WITHOUT | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-1216 | WITHOUT | BLACK | 16 | KEY A | 24.50 | 31.60 | 12.25 | 29.50 | |
| 172299-2204 | WITHOUT | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-2206 | WITHOUT | NATURAL | 6 | KEY B | 7.00 | 14.10 | 3.50 | 12.00 | |
| 172299-2208 | WITHOUT | NATURAL | 8 | KEY B | 10.50 | 17.60 | 5.25 | 15.50 | |
| 172299-2210 | WITHOUT | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-2212 | WITHOUT | NATURAL | 12 | KEY B | 17.50 | 24.60 | 8.75 | 22.50 | |
| 172299-2214 | WITHOUT | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-2216 | WITHOUT | NATURAL | 16 | KEY B | 24.50 | 31.60 | 12.25 | 29.50 | |
| 172299-3204 | WITH | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | 1722991000-PK |
| 172299-3210 | WITH | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-3214 | WITH | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-4204 | WITH | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-4210 | WITH | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-4214 | WITH | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-8204 | WITHOUT | BLACK | 4 | KEY A | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-8210 | WITHOUT | BLACK | 10 | KEY A | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-8214 | WITHOUT | BLACK | 14 | KEY A | 21.00 | 28.10 | 10.50 | 26.00 | |
| 172299-9204 | WITHOUT | NATURAL | 4 | KEY B | 3.50 | 10.60 | 1.75 | 8.50 | |
| 172299-9210 | WITHOUT | NATURAL | 10 | KEY B | 14.00 | 21.10 | 7.00 | 19.00 | |
| 172299-9214 | WITHOUT | NATURAL | 14 | KEY B | 21.00 | 28.10 | 10.50 | 26.00 | |

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DIMENSION UNITS: mm | SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.25 |
| 1 PLACE | ± | 0.5 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 755556
DRWN: LEOW 2023/05/12
CHK'D: XQZHANG 2023/07/05
APPR: XQZHANG 2023/07/05

INITIAL REVISION:
DRWN: DROSCA 2014/03/04
APPR: JCOMERCI 2014/04/24

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 172299

molex

ULTRA-FIT VERT HEADER
4-16 CKTS DUAL ROW WITH SOLDER CLIP

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-172299-1000 | PSD | 000 | C2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 3 OF 3 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/07/05 22:45:52 |
|---|---|---|---|