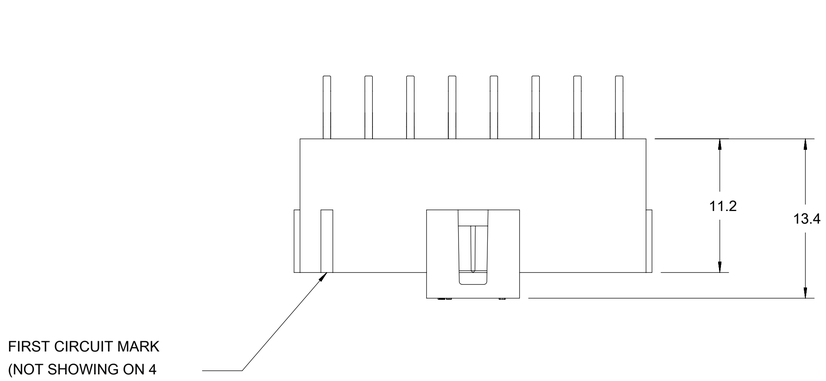
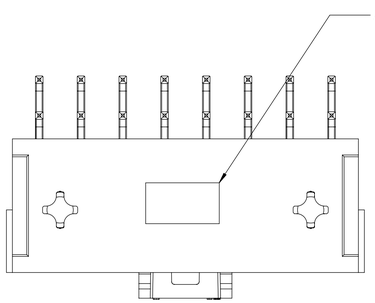
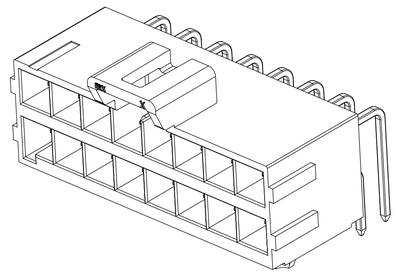
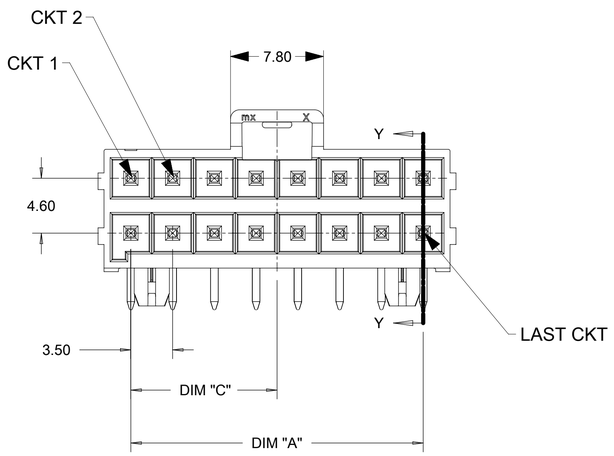
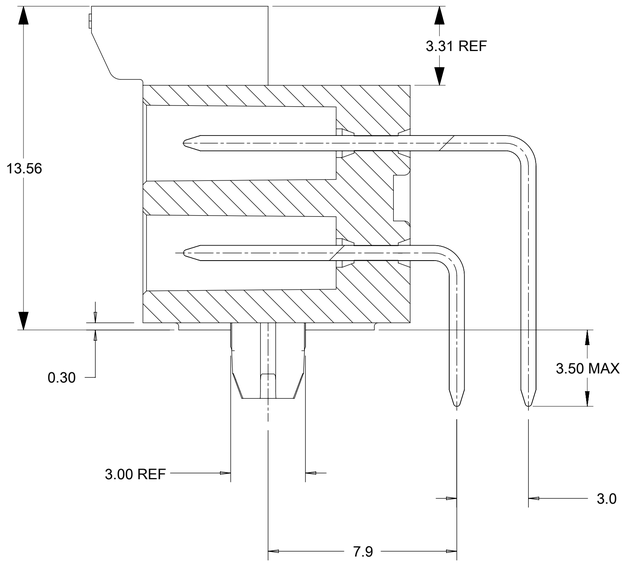


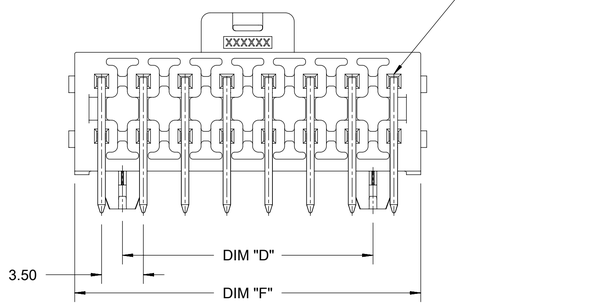



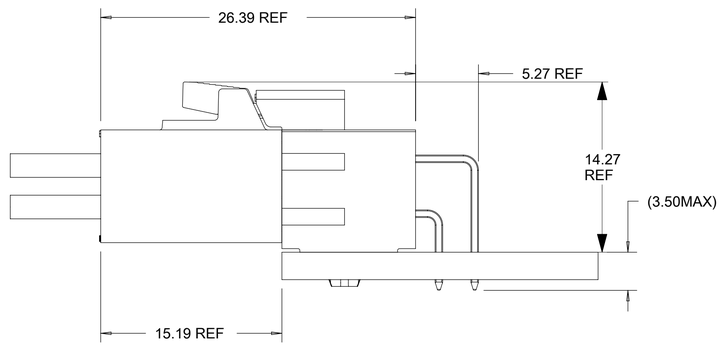



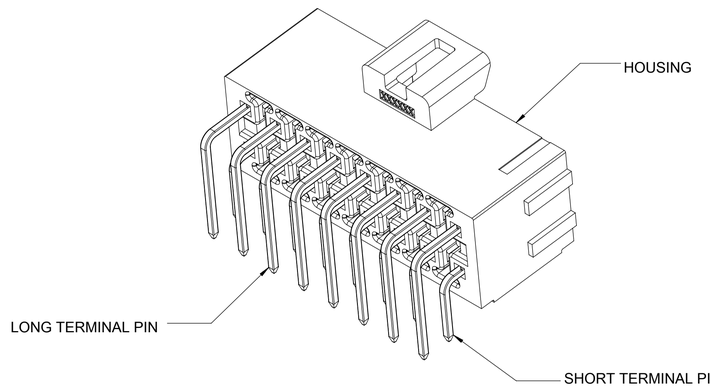



SECTION Y-Y
SCALE 8:1




NOTES:

1. MATERIAL :
   HOUSING
   OPTION 1: LCP BLACK, UL94 V-O
   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
3. PARTS TO BE PACKAGED PER 1723161114-PK.
4. PRODUCT SPECIFICATION PS-172323-0001
5. PART MATES WITH MOLEX RECEPTACLE HOUSING
   172258 AND 172262
6. PART CONFORMS TO CLASS "C" REQUIREMENTS OF SPECIFICATION
   PS-45499-002 WITH 0.13 MM MAXIMUM FLASH ALLOWED IN CORE
   HOLES AND FRONT SURFACE.
7. 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.
8. ASSEMBLY SPECIFICATION: AS-172323-0001.

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/11/19 | 08:37:15 |
|---|---|---|---|---|

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

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

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: REMOVED OBSOLETED PART NUMBER AS PER PCN#514356.

EC NO: 803783

| | | |
|---|---|---|
| DRWN: | RAVINR1 | 2024/11/05 |
| CHK'D: | GGA | 2024/11/19 |
| APPR: | GGA | 2024/11/19 |

INITIAL REVISION:

| | | |
|---|---|---|
| DRWN: | DROSCA | 2014/03/06 |
| APPR: | JCOMERCI | 2014/04/24 |

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ULTRA-FIT R/A HEADER
4-16 CKTS DUAL ROW

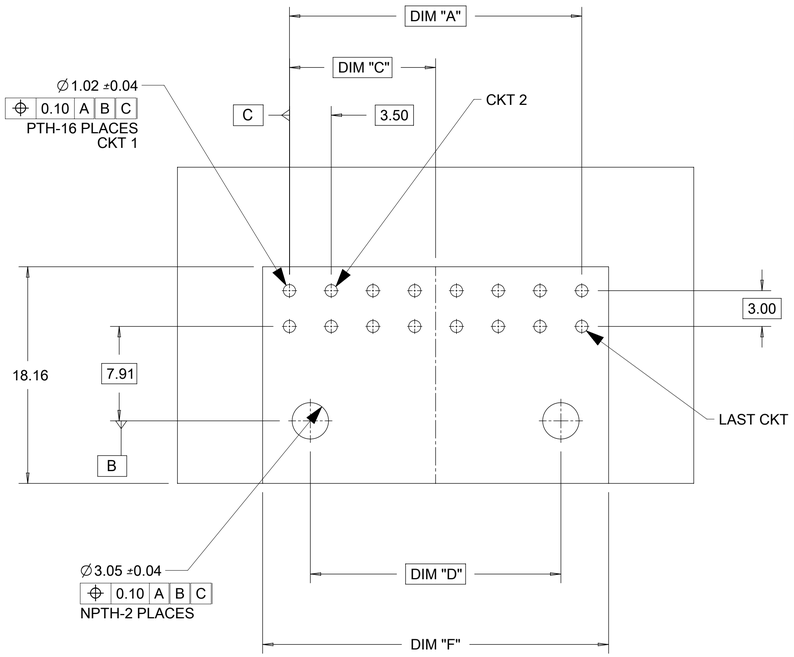
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-172316-1000 | PSD | 000 | F9 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 172316 | SEE TABLE | GENERAL MARKET | 1 OF 3 |

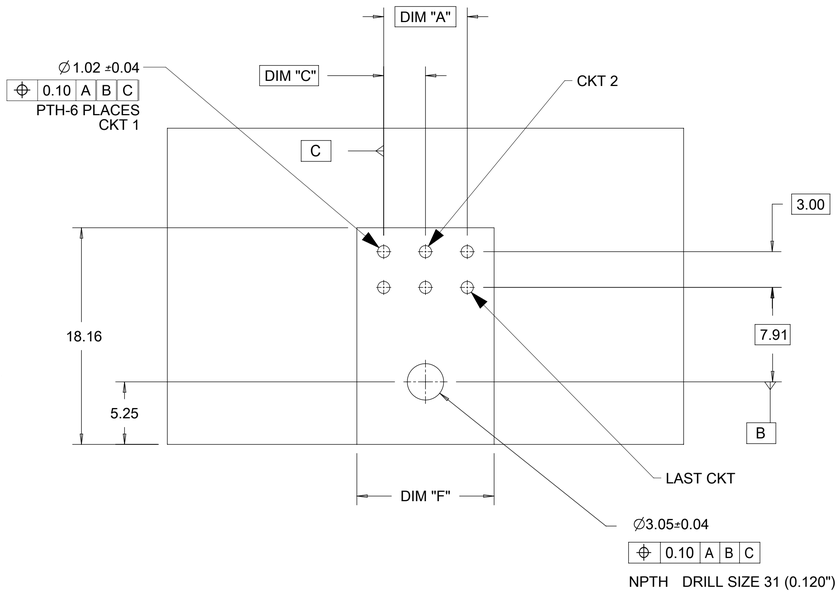
| 15 MICROINCH GOLD PLATING | | | | | | | |
|---|---|---|---|---|---|---|---|
| PART NO. | COLOR | CIRCUIT SIZE | KEY OPTION | DIM A | DIM F | DIM C | DIM D |
| 172316-2206 | NATURAL | 6 | KEY B | 7.00 | 11.50 | 3.50 | 0.00 |
| 172316-2210 | NATURAL | 10 | KEY B | 14.00 | 18.50 | 7.00 | 10.50 |
| 172316-2216 | NATURAL | 16 | KEY B | 24.50 | 29.00 | 12.25 | 21.00 |

| TIN PLATING | | | | | | | |
|---|---|---|---|---|---|---|---|
| PART NO. | COLOR | CIRCUIT SIZE | KEY OPTION | DIM A | DIM F | DIM C | DIM D |
| 172316-1104 | BLACK | 4 | KEY A | 3.50 | 8.00 | 1.75 | 0.00 |



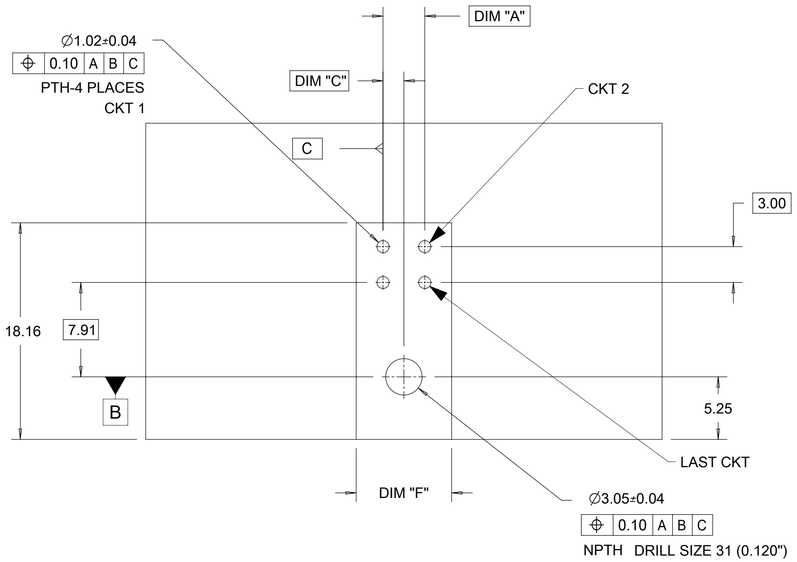

PCB LAYOUT COMPONENT SIDE
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

Top2



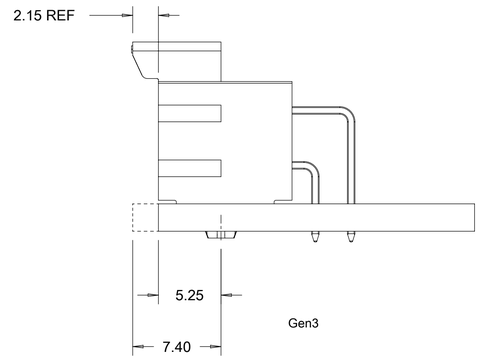

PCB LAYOUT 3 CIRCUIT COMPONENT SIDE
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

Right1




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

Right2




Gen3

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

NOTE: DATUM -A- IS ON COMPONENT SIDE PCB

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/11/19 | 08:37:15 |
|---|---|---|---|---|

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

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EC NO: 803783

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| APPR: | GGA | 2024/11/19 |

INITIAL REVISION:

| | | |
|---|---|---|
| DRWN: | DROSCA | 2014/03/06 |
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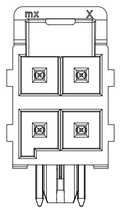
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ULTRA-FIT R/A HEADER
4-16 CKTS DUAL ROW

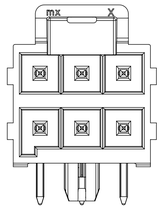
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-172316-1000 | PSD | 000 | F9 |

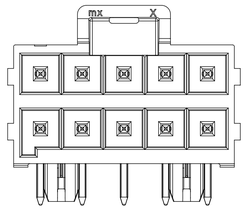
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 172316 | SEE TABLE | GENERAL MARKET | 2 OF 3 |



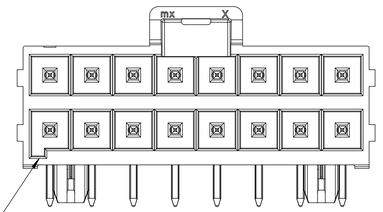
4 CKT



6 CKT

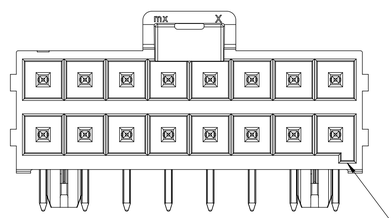


10 CKT



KEY A
(BLACK)

16 CKT



KEY B
(NATURAL)

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GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
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| 3 PLACES | ± | |
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ULTRA-FIT R/A HEADER
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PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
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| SD-172316-1000 | PSD | 000 | F9 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 172316 | SEE TABLE | GENERAL MARKET | 3 OF 3 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/11/19 08:37:15 |
|---|---|---|---|

TEMPLATE created for product REVISION: 21 DATE: 2021/06/01