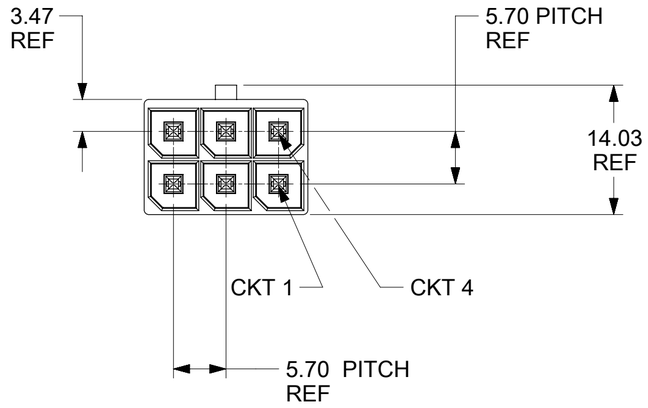
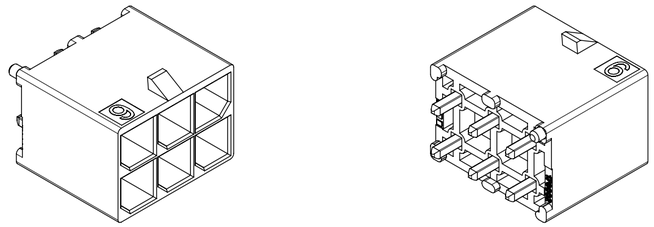
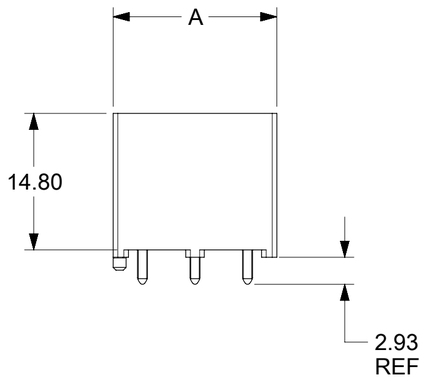
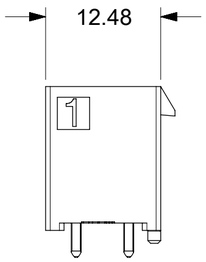


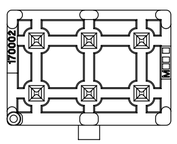
76829-0106 SHOWN

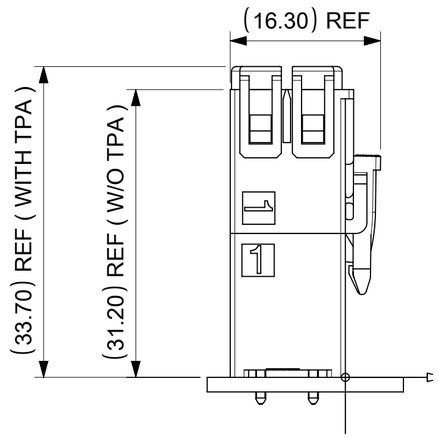



NOTES:

1. MATERIAL:
   HOUSING: LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION,
   COLOR: SEE CHART.
   TERMINAL: HIGH CONDUCTIVITY COPPER.
2. TERMINAL PLATING:
   (TIN) 1.52 MICROMETER /(60 MICROINCH) MIN REFLOWED MATTE TIN OVER
   1.27 MICROMETER /(50 MICROINCH) MIN NICKEL OVERALL.
   (15 GOLD) 0.38 MICROMETER /(15 MICROINCH) MIN SELECT GOLD ON CONTACT AREA
   2.54 MICROMETER /(100 MICROINCH) MIN SELECT MATTE TIN ON SOLDER AREA
   BOTH OVER 1.27 MICROMETER /(50 MICROINCH) MIN NICKEL OVERALL
   (30 GOLD) 0.76 MICROMETER /(30 MICROINCH) MIN SELECT GOLD ON CONTACT AREA
   2.54 MICROMETER /(100 MICROINCH) MIN SELECT MATTE TIN ON SOLDER AREA
   BOTH OVER 1.27 MICROMETER /(50 MICROINCH) MIN NICKEL OVERALL
3. PRODUCT SPECIFICATION:PS-76823-100/1720631000-PS
4. BLACK PART MATES WITH MOLEX PART NUMBER 170001 AND 171692 SERIES.
5. PACKAGING SPECIFICATION PLEASE SEE TABLE.
6. APPLICATION SPECIFICATION:AS-76823-100/ 768232000-AS
7. PARTS CONFORM TO CLASS "B" REQUIREMENTS OF COSMETIC
   SPECIFICATION PS-45499-002.




ASSEMBLY VIEW

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 | ± | |
| 2 PLACES | ± | 0.4 |
| 1 PLACE | ± | 0.5 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 850632
DRWN: JERRYW8 2025/05/15
CHK'D: XQZHANG 2026/03/25
APPR: XQZHANG 2026/03/25

INITIAL REVISION:
DRWN: GSHARMA 2016/07/15
APPR: KPRASAD 2017/07/21

molex

MEGAFIT SLIM VERTICAL HEADER ASSY
WITHOUT CRUSH PEGS 2-12 CKT

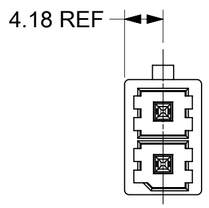
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 768290002 | PSD | 000 | B2 |

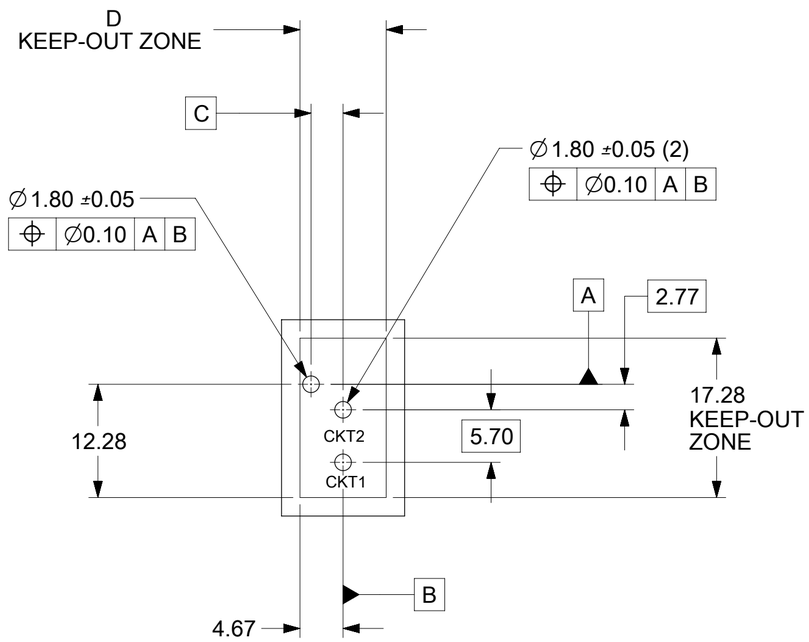
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | C-SIZE | 76829 | SEE TABLE | GENERAL MARKET | 1 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/25 09:23:54 |
|---|---|---|---|

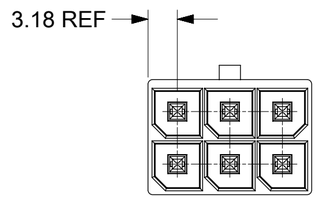
FORMAT: master-tb-prod-C
REVISION: J1
DATE: 2021/05/01



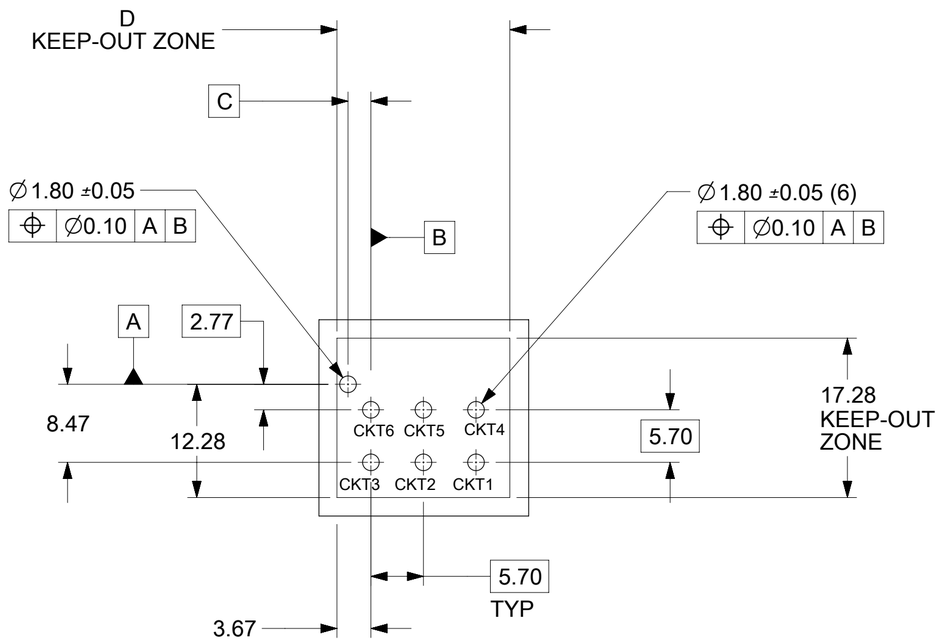

2 CKT




PCB LAYOUT: COMPONENT SIDE
RECOMENDED PCB THICKNESS: 1.58 MM/.062 INCH




4-12CKT




PCB LAYOUT: COMPONENT SIDE
RECOMENDED PCB THICKNESS: 1.58 MM/.062 INCH

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 | ± | |
| 2 PLACES | ± | 0.4 |
| 1 PLACE | ± | 0.5 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 850632
DRWN: JERRYW8 2025/05/15
CHK'D: XQZHANG 2026/03/25
APPR: XQZHANG 2026/03/25

INITIAL REVISION:
DRWN: GSHARMA 2016/07/15
APPR: KPRASAD 2017/07/21

| THIRD ANGLE PROJECTION | DRAWING | SERIES |
|---|---|---|
| | C-SIZE | 76829 |

molex

MEGAFIT SLIM VERTICAL HEADER ASSY
WITHOUT CRUSH PEGS 2-12 CKT

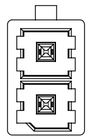
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 768290002 | PSD | 000 | B2 |

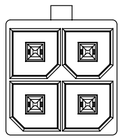
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 2 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/25 09:23:54 |
|---|---|---|---|

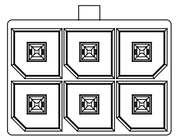
FORMAT: master-tb-prod-C
REVISION: J1
DATE: 2021/05/31



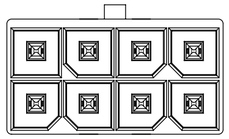
2 CKT



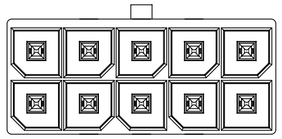
4 CKT



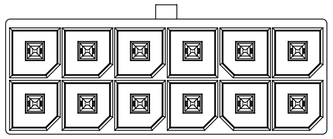
6 CKT



8 CKT



10 CKT



12 CKT

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 | ± | |
| 2 PLACES | ± | 0.4 |
| 1 PLACE | ± | 0.5 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 850632
DRWN: JERRYW8 2025/05/15
CHK'D: XQZHANG 2026/03/25
APPR: XQZHANG 2026/03/25

INITIAL REVISION:
DRWN: GSHARMA 2016/07/15
APPR: KPRASAD 2017/07/21

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 76829

molex

MEGAFIT SLIM VERTICAL HEADER ASSY WITHOUT CRUSH PEGS 2-12 CKT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 768290002 | PSD | 000 | B2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 3 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/25 09:23:54 |
|---|---|---|---|

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

| | CKT SIZE | PART NO. | PLATING | DIM A | DIM C BASIC | DIM D | PK SPEC | HEADER COLOR |
|---|---|---|---|---|---|---|---|---|
| | 2 | 76829-0102 | TIN | 8.35 | 3.48 | 9.35 | TRAY 768291100 | BLACK |
| | 4 | 76829-0104 | TIN | 12.05 | 2.48 | 13.05 | | |
| | 6 | 76829-0106 | TIN | 17.75 | 2.48 | 18.75 | | |
| | 8 | 76829-0108 | TIN | 23.45 | 2.48 | 24.45 | | |
| | 10 | 76829-0110 | TIN | 29.15 | 2.48 | 30.15 | | |
| | 12 | 76829-0112 | TIN | 34.85 | 2.48 | 35.85 | | |
| | 2 | 172065-0202 | 15 GOLD | 8.35 | 3.48 | 9.35 | | |
| | 4 | 172065-0204 | 15 GOLD | 12.05 | 2.48 | 13.05 | | |
| | 6 | 172065-0206 | 15 GOLD | 17.75 | 2.48 | 18.75 | | |
| | 8 | 172065-0208 | 15 GOLD | 23.45 | 2.48 | 24.45 | | |
| | 10 | 172065-0210 | 15 GOLD | 29.15 | 2.48 | 30.15 | | |
| | 12 | 172065-0212 | 15 GOLD | 34.85 | 2.48 | 35.85 | | |
| | 2 | 172065-0302 | 30 GOLD | 8.35 | 3.48 | 9.35 | | |
| | 4 | 172065-0304 | 30 GOLD | 12.05 | 2.48 | 13.05 | | |
| | 6 | 172065-0306 | 30 GOLD | 17.75 | 2.48 | 18.75 | | |
| | 8 | 172065-0308 | 30 GOLD | 23.45 | 2.48 | 24.45 | | |
| | 10 | 172065-0310 | 30 GOLD | 29.15 | 2.48 | 30.15 | | |
| | 12 | 172065-0312 | 30 GOLD | 34.85 | 2.48 | 35.85 | | |

| | CKT SIZE | PART NO. | PLATING | DIM A | DIM C BASIC | DIM D | PK SPEC | HEADER COLOR |
|---|---|---|---|---|---|---|---|---|
| | 2 | 76829-9102 | TIN | 8.35 | 3.48 | 9.35 | T&R W/O KAPTON TAPE 1720659100-PK | BLACK |
| | 4 | 76829-9104 | TIN | 12.05 | 2.48 | 13.05 | | |
| | 6 | 76829-9106 | TIN | 17.75 | 2.48 | 18.75 | T&R W/O KAPTON TAPE 1720659206-PK | |
| | 8 | 76829-9108 | TIN | 23.45 | 2.48 | 24.45 | | |
| | 10 | 76829-9110 | TIN | 29.15 | 2.48 | 30.15 | | |
| | 12 | 76829-9112 | TIN | 34.85 | 2.48 | 35.85 | | |
| | 2 | 172065-9202 | 15 GOLD | 8.35 | 3.48 | 9.35 | T&R W/O KAPTON TAPE 1720659100-PK | |
| | 4 | 172065-9204 | 15 GOLD | 12.05 | 2.48 | 13.05 | | |
| | 6 | 172065-9206 | 15 GOLD | 17.75 | 2.48 | 18.75 | T&R W/O KAPTON TAPE 1720659206-PK | |
| | 8 | 172065-9208 | 15 GOLD | 23.45 | 2.48 | 24.45 | | |
| | 10 | 172065-9210 | 15 GOLD | 29.15 | 2.48 | 30.15 | | |
| | 12 | 172065-9212 | 15 GOLD | 34.85 | 2.48 | 35.85 | | |
| | 2 | 172065-9302 | 30 GOLD | 8.35 | 3.48 | 9.35 | T&R W/O KAPTON TAPE 1720659100-PK | |
| | 4 | 172065-9304 | 30 GOLD | 12.05 | 2.48 | 13.05 | | |
| | 6 | 172065-9306 | 30 GOLD | 17.75 | 2.48 | 18.75 | T&R W/O KAPTON TAPE 1720659206-PK | |
| | 8 | 172065-9308 | 30 GOLD | 23.45 | 2.48 | 24.45 | | |
| | 10 | 172065-9310 | 30 GOLD | 29.15 | 2.48 | 30.15 | | |
| | 12 | 172065-9312 | 30 GOLD | 34.85 | 2.48 | 35.85 | | |

| | CKT SIZE | PART NO. | PLATING | DIM A | DIM C BASIC | DIM D | PK SPEC | HEADER COLOR |
|---|---|---|---|---|---|---|---|---|
| | 2 | 76829-8102 | TIN | 8.35 | 3.48 | 9.35 | T&R WITH KAPTON TAPE 1720658100-PK | BLACK |
| | 4 | 76829-8104 | TIN | 12.05 | 2.48 | 13.05 | | |
| | 6 | 76829-8106 | TIN | 17.75 | 2.48 | 18.75 | T&R WITH KAPTON TAPE 1720658000 | |
| | 8 | 76829-8108 | TIN | 23.45 | 2.48 | 24.45 | | |
| | 10 | 76829-8110 | TIN | 29.15 | 2.48 | 30.15 | | |
| | 12 | 76829-8112 | TIN | 34.85 | 2.48 | 35.85 | | |
| | 2 | 172065-8202 | 15 GOLD | 8.35 | 3.48 | 9.35 | T&R WITH KAPTON TAPE 1720658100-PK | |
| | 4 | 172065-8204 | 15 GOLD | 12.05 | 2.48 | 13.05 | | |
| | 6 | 172065-8206 | 15 GOLD | 17.75 | 2.48 | 18.75 | T&R WITH KAPTON TAPE 1720658000 | |
| | 8 | 172065-8208 | 15 GOLD | 23.45 | 2.48 | 24.45 | | |
| | 10 | 172065-8210 | 15 GOLD | 29.15 | 2.48 | 30.15 | | |
| | 12 | 172065-8212 | 15 GOLD | 34.85 | 2.48 | 35.85 | | |
| | 2 | 172065-8302 | 30 GOLD | 8.35 | 3.48 | 9.35 | T&R WITH KAPTON TAPE 1720658100-PK | |
| | 4 | 172065-8304 | 30 GOLD | 12.05 | 2.48 | 13.05 | | |
| | 6 | 172065-8306 | 30 GOLD | 17.75 | 2.48 | 18.75 | T&R WITH KAPTON TAPE 1720658000 | |
| | 8 | 172065-8308 | 30 GOLD | 23.45 | 2.48 | 24.45 | | |
| | 10 | 172065-8310 | 30 GOLD | 29.15 | 2.48 | 30.15 | | |
| | 12 | 172065-8312 | 30 GOLD | 34.85 | 2.48 | 35.85 | | |

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GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 3.0 ° |
| 4 PLACES | ± | |
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INITIAL REVISION:
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THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 76829

molex

MEGAFIT SLIM VERTICAL HEADER ASSY WITHOUT CRUSH PEGS 2-12 CKT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 768290002 | PSD | 000 | B2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 4 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/25 09:23:54 |
|---|---|---|---|

FORMAT: master-tb-prod-C
REVISION: J1
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