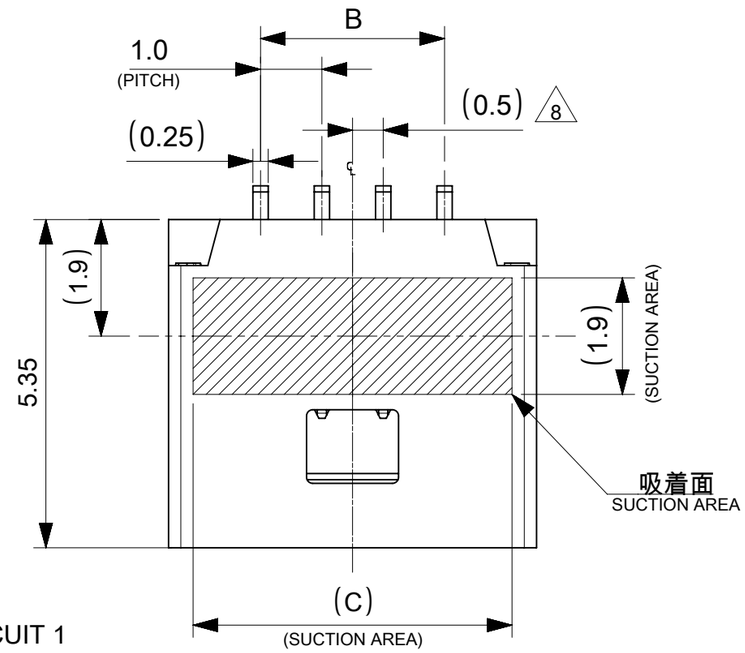
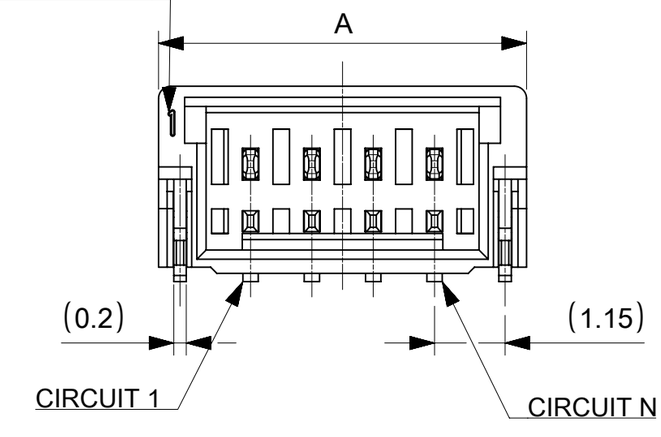
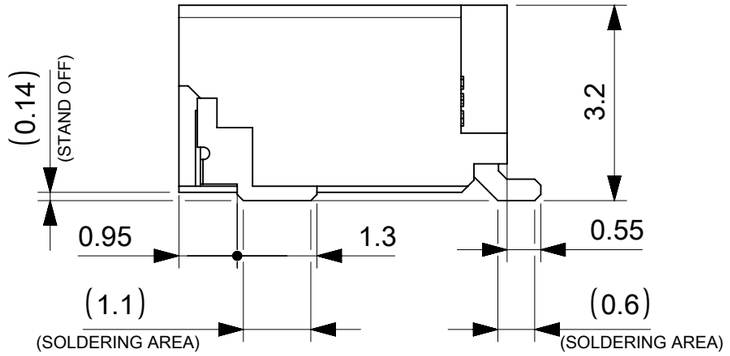


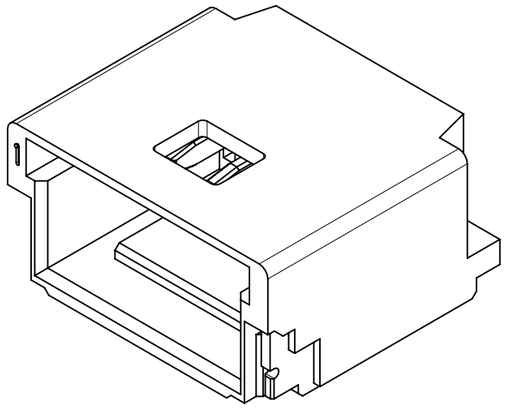

NOTES

1. 本製品は極数によって、ロック形状が変わりますので御注意願います。
   THE LOCK SHAPE OF THIS PRODUCT CHANGES ACCORDING TO THE NUMBER OF CIRCUIT.
   2~5 CIRCUITS：フリクションロック FRICTION LOCK
   6~15 CIRCUITS：インナーポジティブロック INNER POSITIVE LOCK
2. 材料及び仕上げ(めっき仕様)：TABLE 1,2 参照
   MATERIAL AND FINISHES : SEE TABLE 1 AND 2
3. 製品仕様書：5013300000-PS 001
   PRODUCT SPECIFICATION:
4. 梱包形態：SEE SHEET 4
   PACKAGING INFORMATION:
5. 嵌合相手：501330 シリーズ
   MATES WITH:501330 SERIES
6. アプリケーション仕様書(コネクタ取扱い説明書)：5013300000-AS 000
   APPLICATION SPECIFICATION(CONNECTOR MANUAL):
7. ソルダーピン及びネイルの平坦度:0.1 MAX.
   SOLDER PIN AND NAIL COPLANARITY: 0.1 MAX.
8. 偶数極に適用
   APPLY FOR EVEN CIRCUIT
9. 本製品は錫めっき品です。金めっき品は以下の図面を御参照ください。
   THIS PRODUCT IS A TIN PLATING. PLEASE REFER TO THE FOLLOWING DRAWING FOR GOLD PLATING VERSION.

| GOLD PLATING THICKNESS [micro-meter MIN.] | SERIES No. | DRAWING No. |
|---|---|---|
| 0.1 | 202396 | 2023960000-SD PSD 000 |
| 0.38 | 203558 | 2035580000-SD PSD 000 |
| 0.76 | 203559 | 2035590000-SD PSD 000 |

2 TABLE 1

| 番号 NO. | 部品 PART | 材質 MATERIAL | |
|---|---|---|---|
| ① | ウエハー WAFER | ポリアミド(PA), UL94V-0, 色：SEE SHEET 6<br>POLYAMIDE(PA), UL94V-0, COLOR : SEE SHEET 6 | |
| ② | ソルダーピン SOLDER PIN | リン青銅<br>PHOSPHOR BRONZE | |
| | | 接点部<br>CONTACT AREA | 錫めっき： 1.0 MICRO-METER MIN.<br>MATTE TIN PLATING |
| | | テール部<br>TAIL AREA | 錫めっき： 1.0 MICRO-METER MIN.<br>MATTE TIN PLATING |
| | | 下地めっき<br>UNDER PLATING | ニッケルめっき：1.0 MICRO-METER MIN.<br>NICKEL |
| ③ | ネイル NAIL | 黄銅<br>BRASS | |
| | | テール部<br>TAIL AREA | 錫めっき： 1.0 MICRO-METER MIN.<br>MATTE TIN PLATING |
| | | 下地めっき<br>UNDER PLATING | ニッケルめっき：1.0 MICRO-METER MIN.<br>NICKEL |



| | | | |
|---|---|---|---|
| 6.2 | 4.0 | 7.0 | 5 |
| 5.2 | 3.0 | 6.0 | 4 |
| 4.2 | 2.0 | 5.0 | 3 |
| 3.2 | 1.0 | 4.0 | 2 |
| C | B | A | 極数 CIRCUIT SIZE |

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

DIMENSION UNITS: mm | SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 794263
DRWN: MIKEDA01 2023/06/26
CHK'D: SAKIYAMA 2024/09/26
APPR: AIDA 2024/09/27

INITIAL REVISION:
DRWN: AISHIKAWA 2019/02/18
APPR: KOMURAKAMI 2019/04/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 501568

molex

PICO-CLASP 1.0 W/B
SINGLE ROW RA SMT INNER LOCK TIN PLATING

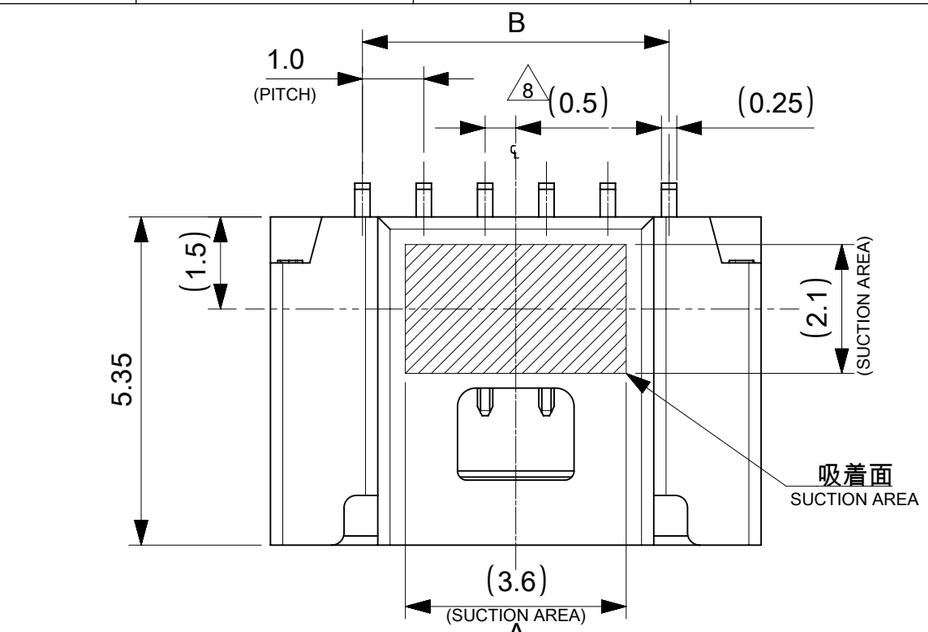
PRODUCT CUSTOMER DRAWING

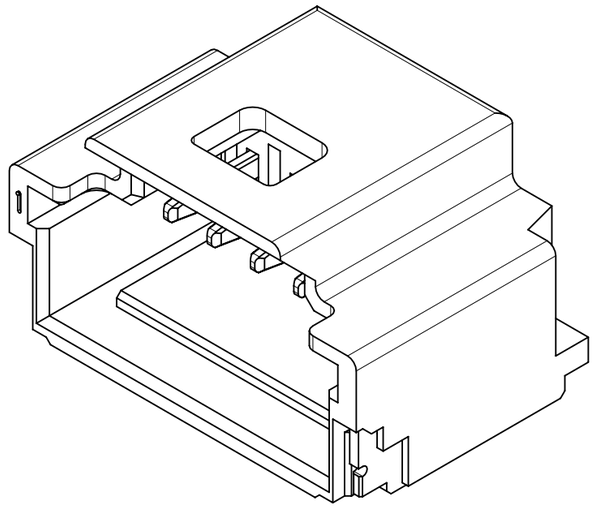
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5015680000-SD | PSD | 000 | D |

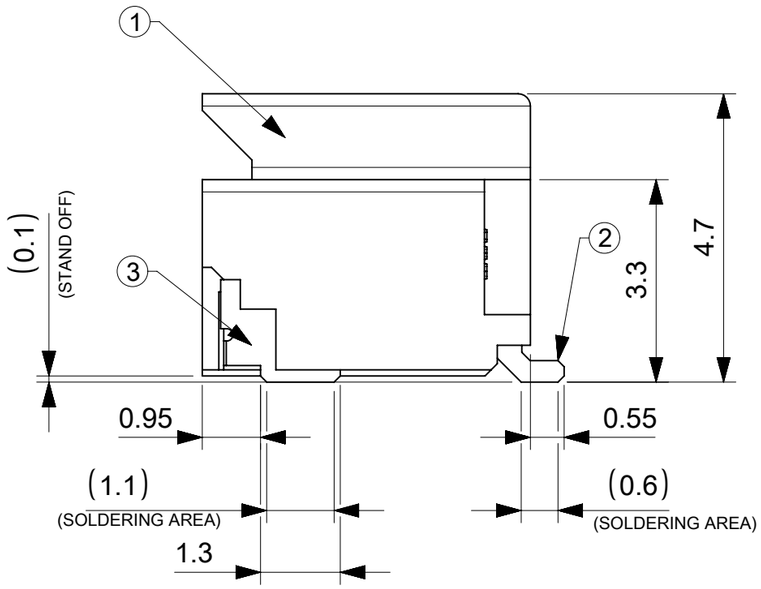
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE SHEET 6 | | 1 OF 6 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/09/27 10:55:29 |
|---|---|---|---|

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






2 TABLE 2

| 番号 NO. | 部品 PART | 材質 MATERIAL | |
|---|---|---|---|
| ① | ウエハー WAFER | ポリアミド(PA), UL94V-0, 色：SEE SHEET 6<br>POLYAMIDE(PA), UL94V-0, COLOR : SEE SHEET 6 | |
| ② | ソルダーピン SOLDER PIN | リン青銅<br>PHOSPHOR BRONZE | |
| | | 接点部<br>CONTACT AREA | 錫めっき： 1.0 MICRO-METER MIN.<br>MATTE TIN PLATING |
| | | テール部<br>TAIL AREA | 錫めっき： 1.0 MICRO-METER MIN.<br>MATTE TIN PLATING |
| | | 下地めっき<br>UNDER PLATING | ニッケルめっき：1.0 MICRO-METER MIN.<br>NICKEL |
| ③ | ネイル NAIL | 黄銅<br>BRASS | |
| | | テール部<br>TAIL AREA | 錫めっき： 1.0 MICRO-METER MIN.<br>MATTE TIN PLATING |
| | | 下地めっき<br>UNDER PLATING | ニッケルめっき：1.0 MICRO-METER MIN.<br>NICKEL |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/09/27 10:55:29 |
|---|---|---|---|

| B | A | 極数 CIRCUIT SIZE |
|---|---|---|
| 5.0 | 8.0 | 6 |
| 6.0 | 9.0 | 7 |
| 7.0 | 10.0 | 8 |
| 8.0 | 11.0 | 9 |
| 9.0 | 12.0 | 10 |
| 10.0 | 13.0 | 11 |
| 11.0 | 14.0 | 12 |
| 12.0 | 15.0 | 13 |
| 13.0 | 16.0 | 14 |
| 14.0 | 17.0 | 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 | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 794263
DRWN: MIKEDA01 2023/06/26
CHK'D: SAKIYAMA 2024/09/26
APPR: AIDA 2024/09/27

INITIAL REVISION:
DRWN: AISHIKAWA 2019/02/18
APPR: KOMURAKAMI 2019/04/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 501568

molex

PICO-CLASP 1.0 W/B
SINGLE ROW RA SMT INNER LOCK TIN PLATING

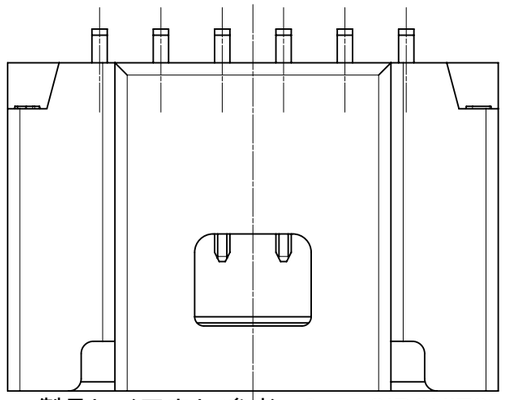
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5015680000-SD | PSD | 000 | D |

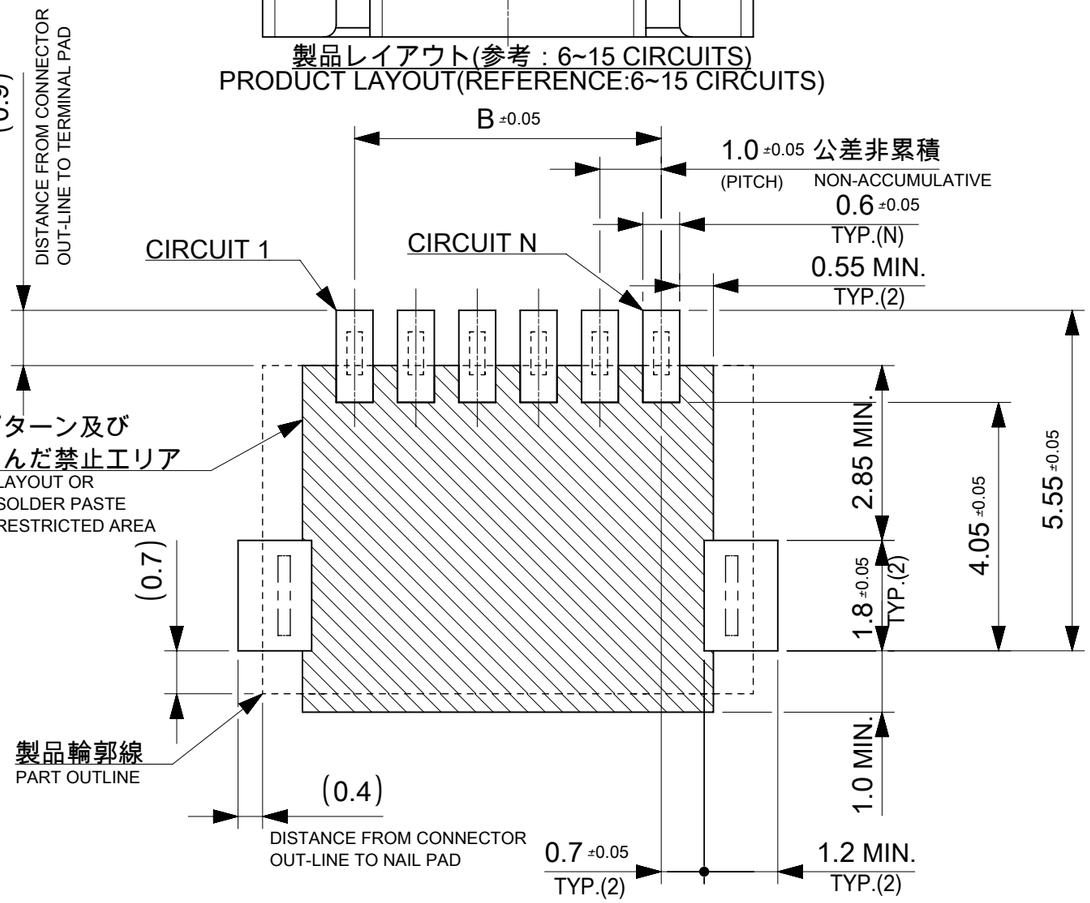
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE SHEET 6 | | 2 OF 6 |

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

嵌合相手：501330シリーズ
MATE WITH：501330 SERIES



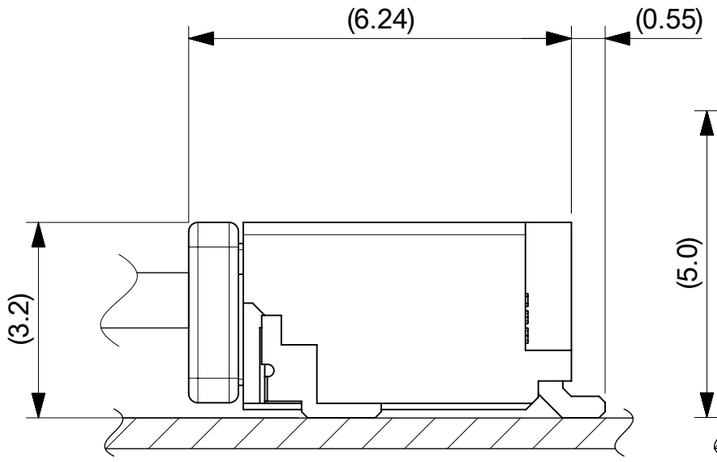
製品レイアウト(参考：6~15 CIRCUITS)
PRODUCT LAYOUT(REFERENCE:6~15 CIRCUITS)



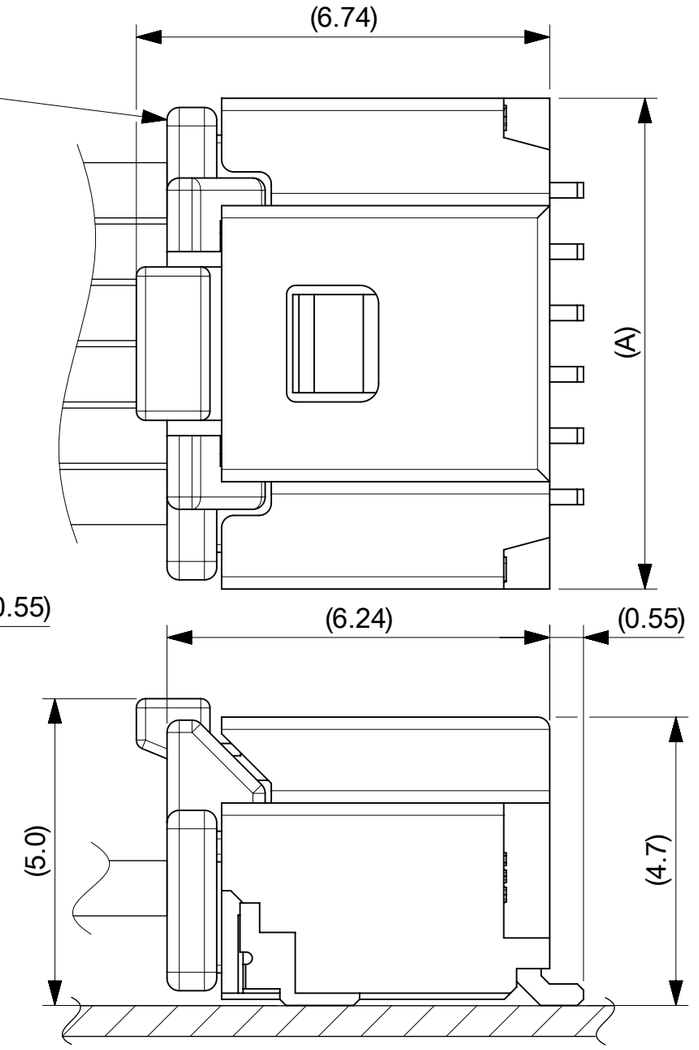

推奨基板レイアウト(全極数適用)：実装面側
(参考：基板厚 1.0mm, メタルマスク厚さ 0.12mm, マスク開口率100%)

POLARIZED RECOMMENDED PCB LAYOUT(APPLY TO ALL CIRCUITS) : COMPONENT SIDE
(REFERENCE: PCB THICKNESS 1.0 mm, STENCIL THICKNESS 0.12 mm, APERTURE RATIO 100%)

:パターン禁止エリア
RESTRICTED AREA
NO PCB COMPONENTS ALLOWED




a) 2~5 CIRCUITS




b) 6~15 CIRCUITS

嵌合図
MATED CONNECTORS

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

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | NTS |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 3.0 ° |
| 4 PLACES | ± 0.2 |
| 3 PLACES | ± 0.2 |
| 2 PLACES | ± 0.2 |
| 1 PLACE | ± 0.2 |
| 0 PLACES | ± 0.2 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC:

EC NO: 794263
DRWN: MIKEDA01 2023/06/26
CHK'D: SAKIYAMA 2024/09/26
APPR: AIDA 2024/09/27

INITIAL REVISION:
DRWN: AISHIKAWA 2019/02/18
APPR: KOMURAKAMI 2019/04/05

molex

PICO-CLASP 1.0 W/B
SINGLE ROW RA SMT INNER LOCK TIN PLATING

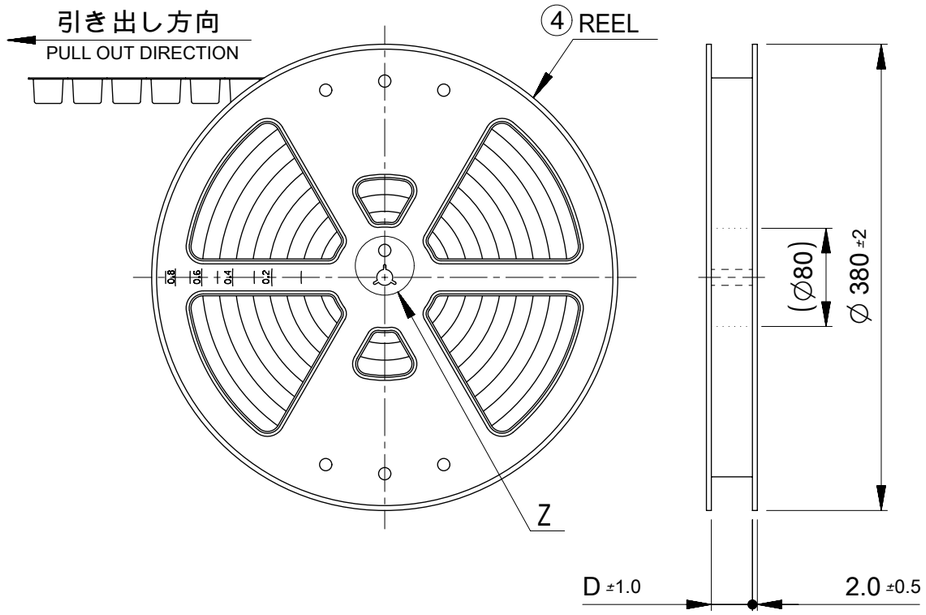
PRODUCT CUSTOMER DRAWING

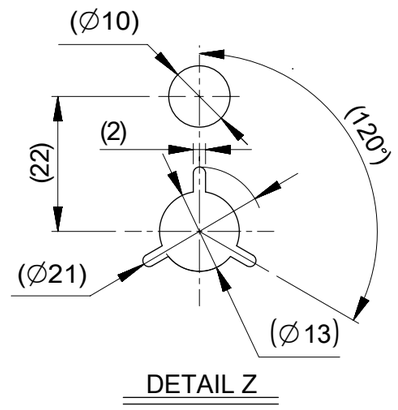
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5015680000-SD | PSD | 000 | D |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 501568 | SEE SHEET 6 | | 3 OF 6 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/09/27 10:55:29 |
|---|---|---|---|

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

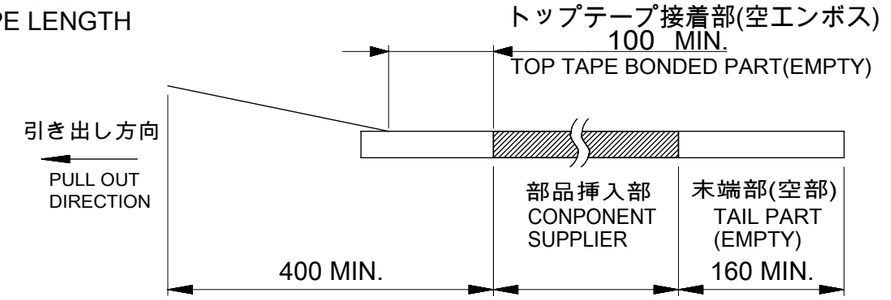



DETAIL Z

NOTES

10. 梱包数量
    2-5 CIRCUIT: 1700個/リール
    6-15 CIRCUIT: 1300個/リール
    NUMBER OF CONNECTORS
    2-5 CIRCUIT : 1700 PIECES/REEL
    6-15 CIRCUIT : 1300 PIECES/REEL
11. リードテープ長さ
    LEAD TAPE LENGTH




12. トップテープの剥離強度はIEC60286-3に準拠。
    TOP TAPE PEELING FORCE IS DEFINED BY IEC60286-3.
△13 2~5極品は乾燥剤入り、ハイバリア梱包による納品となります。
    2~5 CIRCUITS IS DELIVERED IN A HIGH BARRIER PACKAGING WITH DESICCANT.
14. 梱包仕様書：SPK-501568-001
    PACKAGE SPECIFICATION:
△15 発注番号：SHEET 6 参照
    ORDER No.：PLEASE REFER TO SHEET 6 FOR PRODUCT LIST.

501568 - ** * *

| 極数<br>CIRCUIT SIZE | ハウジングカラー<br>HOUSING COLOR | 製品識別番号<br>IDENTIFICATION NUMBER |
|---|---|---|
| | 0:NATURAL(BEIGE) | 7:EMBOSSED PACKAGE |

| 番号<br>NO. | 部品<br>PART | 材質<br>MATERIAL |
|---|---|---|
| ④ | リール<br>REEL | ポリスチレン(PS) <リサイクル材を含む><br>POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED> |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/09/27 10:55:29 |
|---|---|---|---|

| D | 極数<br>CIRCUIT SIZE |
|---|---|
| 33.4 | 15 |
| | 14 |
| | 13 |
| 25.4 | 12 |
| | 11 |
| | 10 |
| | 9 |
| | 8 |
| | 7 |
| | 6 |
| 17.5 | 5 |
| | 4 |
| | 3 |
| | 2 |

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 | ± | 0.2 |
| 3 PLACES | ± | 0.2 |
| 2 PLACES | ± | 0.2 |
| 1 PLACE | ± | 0.2 |
| 0 PLACES | ± | 0.2 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 794263
DRWN: MIKEDA01 2023/06/26
CHK'D: SAKIYAMA 2024/09/26
APPR: AIDA 2024/09/27

INITIAL REVISION:
DRWN: AISHIKAWA 2019/02/18
APPR: KOMURAKAMI 2019/04/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 501568

molex

PICO-CLASP 1.0 W/B
SINGLE ROW RA SMT INNER LOCK TIN PLATING

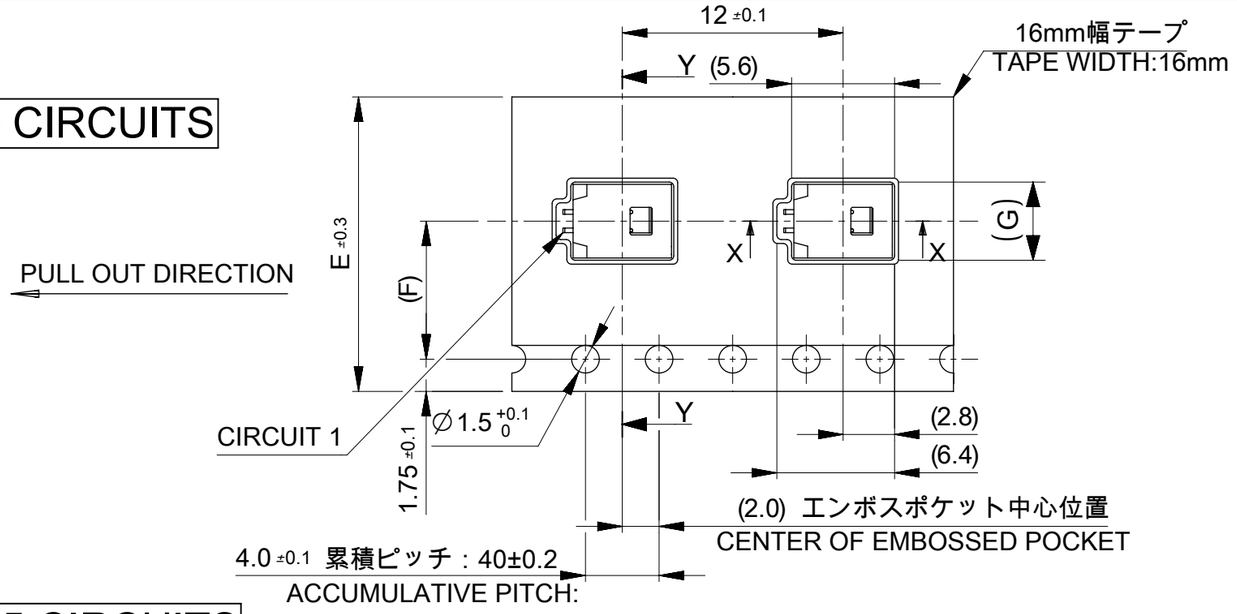
PRODUCT CUSTOMER DRAWING

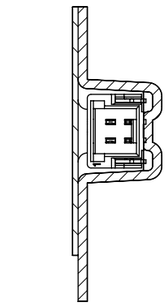
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5015680000-SD | PSD | 000 | D |

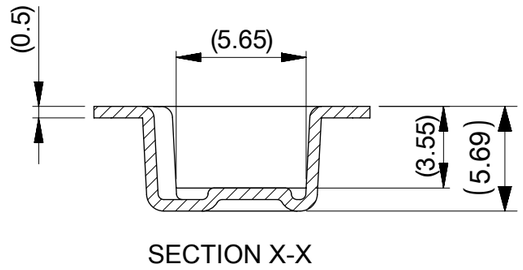
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE SHEET 6 | | 4 OF 6 |

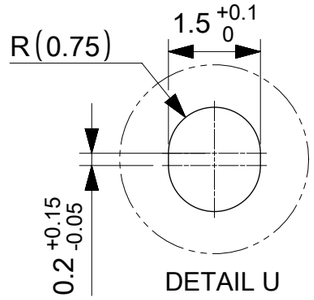
FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

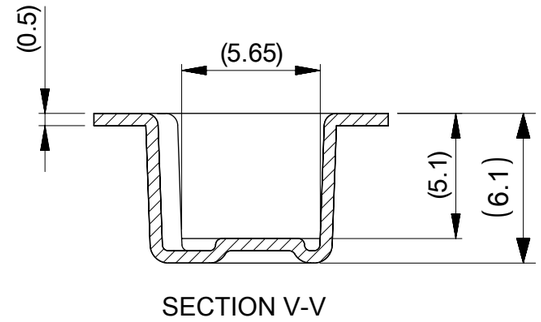
## 2~5 CIRCUITS



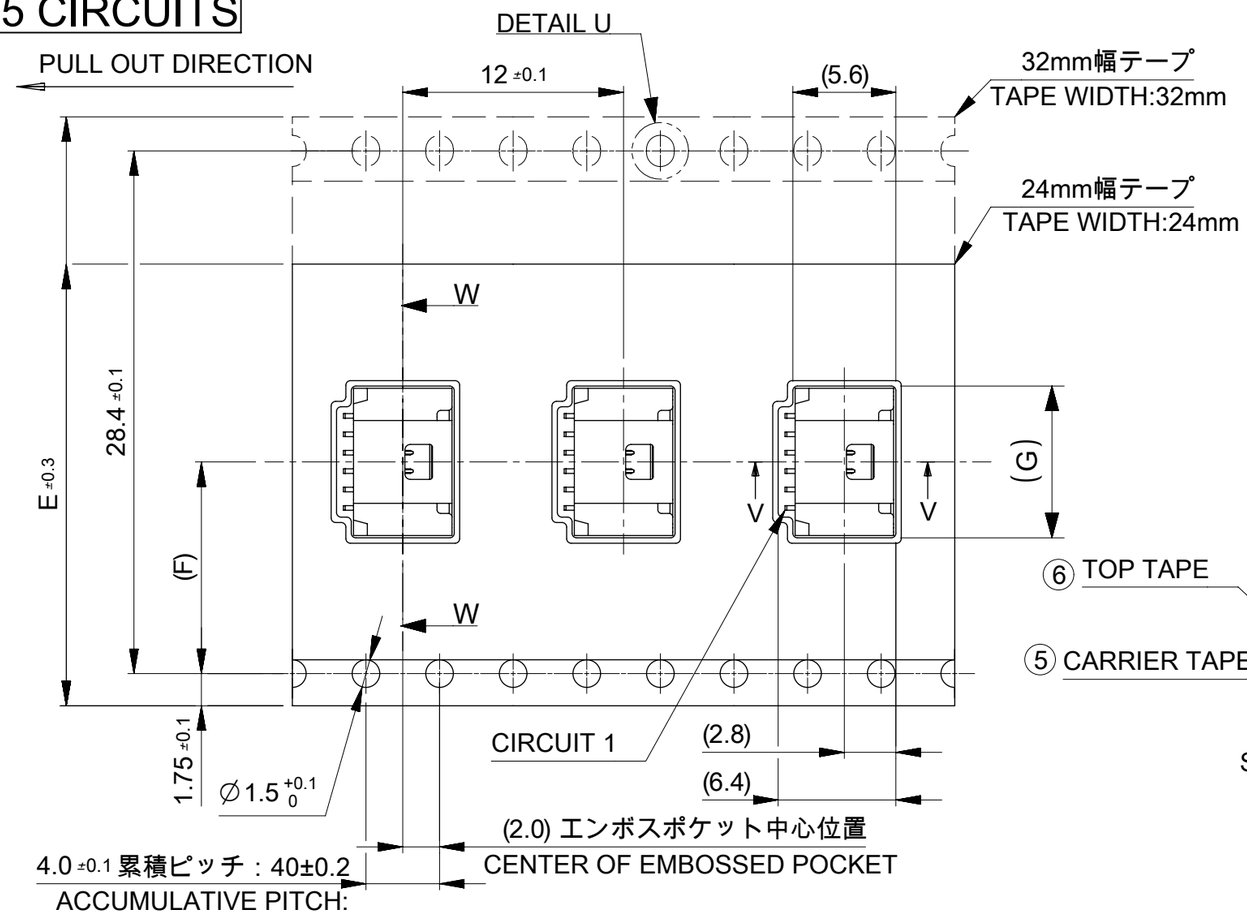



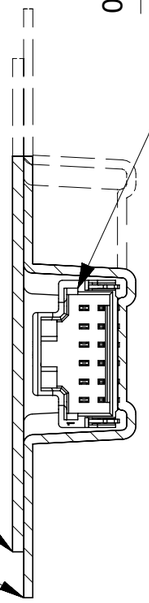




## 6~15 CIRCUITS




SECTION W-W

| 番号 NO. | 部品 PART | 材質 MATERIAL |
|---|---|---|
| ⑤ | キャリアテープ CARRIER TAPE | ポリプロピレン(PP)、その他 POLYPROPYLENE(PP), etc |
| ⑥ | トップテープ TOP TAPE | ポリエチレン(PE)、その他 POLYETHYLENE(PE), etc |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/09/27 10:55:29 |
|---|---|---|---|

| G | コネクタ中心位置 F SENTER OF CONNECTOR | エンボステープ幅 E WIDTH OF TAPE | 極数 CIRCUIT SIZE |
|---|---|---|---|
| 17.3 | 14.2 | 32 | 15 |
| 16.3 | | | 14 |
| 15.3 | | | 13 |
| 14.3 | 11.5 | 24 | 12 |
| 13.3 | | | 11 |
| 12.3 | | | 10 |
| 11.3 | | | 9 |
| 10.3 | | | 8 |
| 9.3 | | | 7 |
| 8.3 | | | 6 |
| 7.3 | 7.5 | 16 | 5 |
| 6.3 | | | 4 |
| 5.3 | | | 3 |
| 4.3 | | | 2 |

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 | ± | 0.2 |
| 3 PLACES | ± | 0.2 |
| 2 PLACES | ± | 0.2 |
| 1 PLACE | ± | 0.2 |
| 0 PLACES | ± | 0.2 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 794263
DRWN: MIKEDA01 2023/06/26
CHK'D: SAKIYAMA 2024/09/26
APPR: AIDA 2024/09/27

INITIAL REVISION:
DRWN: AISHIKAWA 2019/02/18
APPR: KOMURAKAMI 2019/04/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 501568

molex

PICO-CLASP 1.0 W/B
SINGLE ROW RA SMT INNER LOCK TIN PLATING

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5015680000-SD | PSD | 000 | D |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE SHEET 6 | | 5 OF 6 |

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

## △13 △15 製品一覧 PRODUCT LIST

| HOUSING COLOR | |
|---|---|
| NATURAL(BEIGE) | |
| 501568 1507 | 15 |
| 1407 | 14 |
| 1307 | 13 |
| 1207 | 12 |
| 1107 | 11 |
| 1007 | 10 |
| 0907 | 9 |
| 0807 | 8 |
| 0707 | 7 |
| 0607 | 6 |
| 0507 | 5 |
| 0407 | 4 |
| 0307 | 3 |
| 501568 0207 | 2 |
| 発注番号 ORDER No. | 極数 CIRCUIT SIZE |
| 梱包形態：エンボスリール PACKAGE:EMBOSSED REEL | |

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 | ± | 0.2 |
| 3 PLACES | ± | 0.2 |
| 2 PLACES | ± | 0.2 |
| 1 PLACE | ± | 0.2 |
| 0 PLACES | ± | 0.2 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 794263
DRWN: MIKEDA01 2023/06/26
CHK'D: SAKIYAMA 2024/09/26
APPR: AIDA 2024/09/27

INITIAL REVISION:
DRWN: AISHIKAWA 2019/02/18
APPR: KOMURAKAMI 2019/04/05

molex

PICO-CLASP 1.0 W/B
SINGLE ROW RA SMT INNER LOCK TIN PLATING

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5015680000-SD | PSD | 000 | D |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 501568 | SEE SHEET 6 | | 6 OF 6 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/09/27 10:55:29 |
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