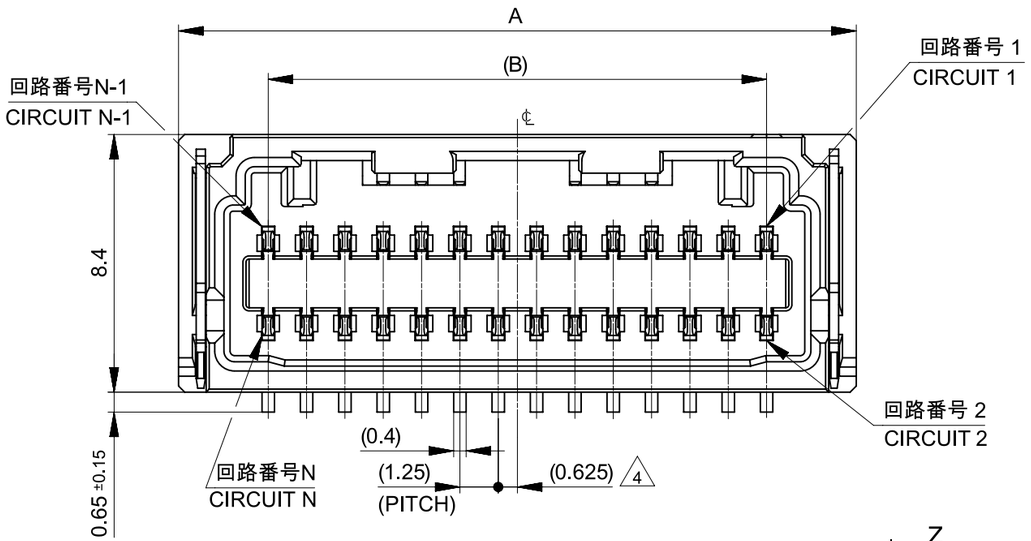
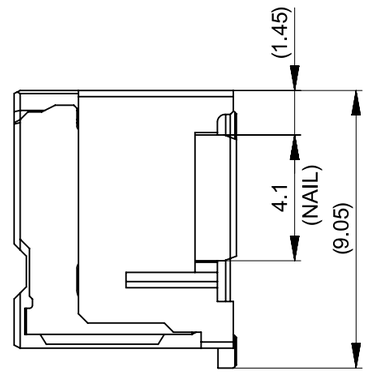
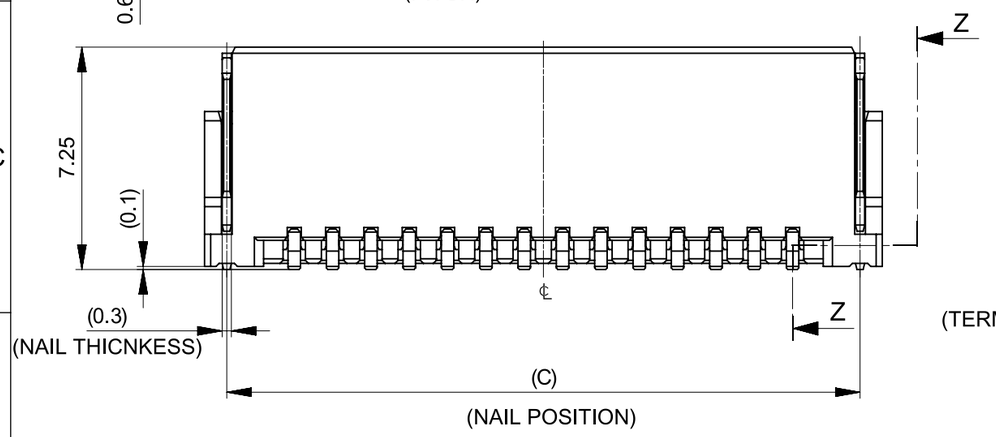
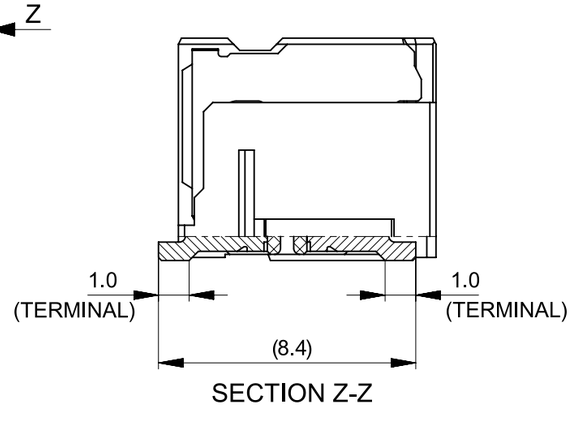



注記：
NOTES :

1. 材料及び仕上げ(めっき仕様)：TABLE 1, TABLE2 参照
   MATERIAL AND FINISHES (PLATING SPECIFICATION) : SEE TABLE 1, TABLE2.
2. 製品仕様書、コネクタ取扱説明書、適合嵌合相手、適合リテーナーはSHEET 5をご参照下さい。
   PLEASE REFER TO SHEET 5 FOR PRODUCT SPECIFICATION, APPLICATION SPECIFICATION, MATE WITH AND APPLICABLE RETAINER.
3. 端子テール部 及び ネイルの平坦度：0.12 MAXIMUM
   TAIL AND NAIL COPLANARITY TO BE 0.12 MAXIMUM
4. 極数／2 = 偶数に適合
   APPLY TO CIRCUIT SIZE / 2 = EVEN.
5. 発注番号：SHEET 5 参照
   ORDER NUMBER : PLEASE REFER TO SHEET 5

505433****

| 極数 CIRCUIT SIZE |
|---|

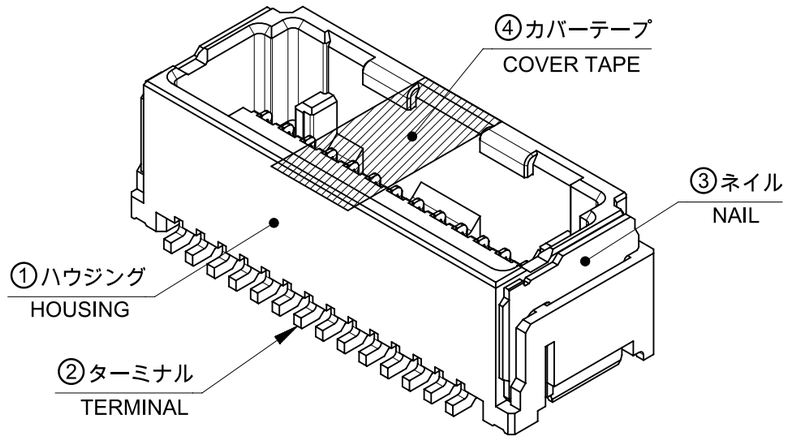
| 番号 NO. | カバーテープ COVER TAPE |
|---|---|
| 7 | 無 WITHOUT |
| 8 | 有 WITH |

| 番号 NO. | ハウジングカラー HOUSING COLOR |
|---|---|
| 0 | ナチュラル(ベージュ) NATURAL(BEIGE) |
| 1 | 黒 BLACK |
| 2 | 赤 RED |
| 4 | 青 BLUE |
| 6 | 緑 GREEN |

| | | | |
|---|---|---|---|
| 29.4 | 25 | 30.85 | 42 |
| 28.15 | 23.75 | 29.6 | 40 |
| 26.9 | 22.5 | 28.35 | 38 |
| 25.65 | 21.25 | 27.1 | 36 |
| 24.4 | 20 | 25.85 | 34 |
| 23.15 | 18.75 | 24.6 | 32 |
| 21.9 | 17.5 | 23.35 | 30 |
| 20.65 | 16.25 | 22.1 | 28 |
| 19.4 | 15 | 20.85 | 26 |
| 18.15 | 13.75 | 19.6 | 24 |
| 16.9 | 12.5 | 18.35 | 22 |
| 15.65 | 11.25 | 17.1 | 20 |
| 14.4 | 10 | 15.85 | 18 |
| 13.15 | 8.75 | 14.6 | 16 |
| 11.9 | 7.5 | 13.35 | 14 |
| 10.65 | 6.25 | 12.1 | 12 |
| 9.4 | 5 | 10.85 | 10 |
| 8.15 | 3.75 | 9.6 | 8 |
| C | B | A | 極数 CIRCUIT SIZE |

1 TABLE 1

| 番号 NO. | 部品 PART | 材質 MATERIAL |
|---|---|---|
| ① | ハウジング HOUSING | ポリアミド(PA), UL94V-0, 色：SHEET 5参照<br>POLY AMIDE(PA), UL94V-0, COLOR : SEE SHEET 5 |
| ② ③ | ターミナル 及び ネイル TERMINAL AND NAIL | 黄銅<br>BRASS |
| | | 錫ビスマスめっき：1.0 MICROMETER MINIMUM<br>TIN-BISMUTH PLATING |
| | | ニッケルめっき（下地）：1.0 MICROMETER MINIMUM<br>NICKEL (UNDER PLATING) |
| ④ | カバーテープ COVER TAPE | ポリイミド<br>POLYIMIDE |




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° |
| 4 PLACES | ± 0.20000 |
| 3 PLACES | ± 0.2000 |
| 2 PLACES | ± 0.200 |
| 1 PLACE | ± 0.20 |
| 0 PLACES | ± 0.20 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBER AS PER PCN #516676

STATUS: Production
DRWN: Pranav Arunkumar 2026-04-28
CHK'D: Ganesh Rao B 2026-05-06
APPR: Gurunandan GA 2026-05-06

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 505433

molex

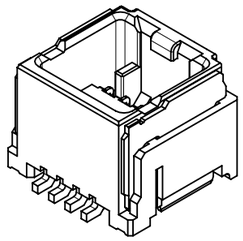
MICRO-LOCK PLUS 1.25 W/B
DUAL ROW VERTICAL SMT PLUG ASSEMBLY
TIN-BISMUTH PLATING

PRODUCT CUSTOMER DRAWING

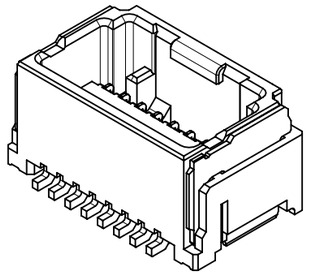
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5054330000 | PSD | 000 | E2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE CHART | GENERAL | 1 OF 5 |

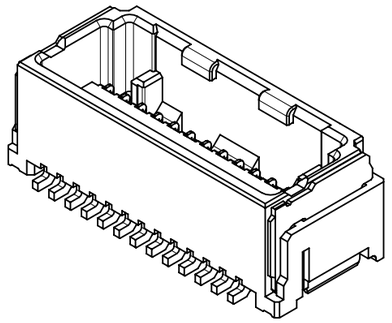
製品形状
PRODUCT SHAPE



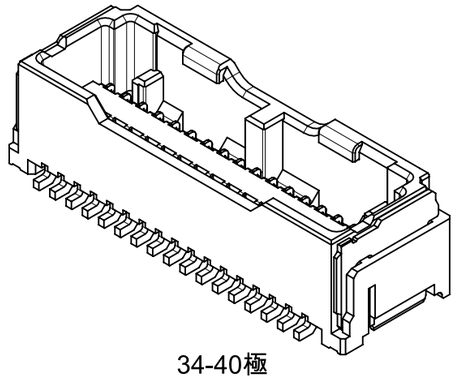
8-14極
8-14 CIRCUIT



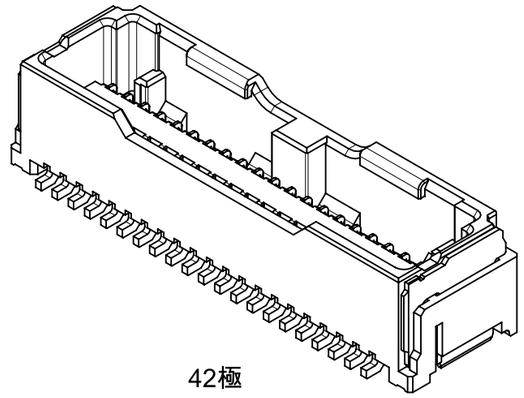
16-24極
16-24 CIRCUIT



26-32極
26-32 CIRCUIT

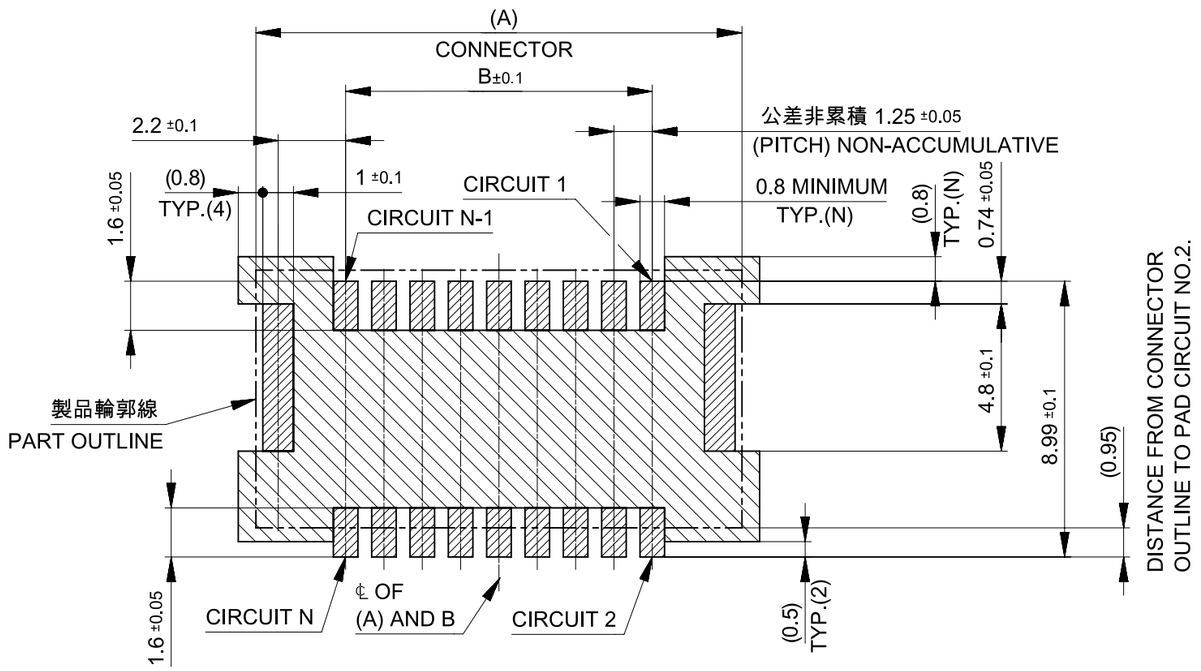


34-40極
34-40 CIRCUIT



42極
42 CIRCUIT

基板パターンレイアウト
PCB PATTERN LAYOUT




基板パターンレイアウト（参考）
(参考：基板厚 1.6mm, メタルマスク厚さ 0.15mm, マスク開口率 100%)
RECOMMEND PCB LAYOUT : COMPONENT SIDE
(REFERENCE : PCB THICKNESS 1.6mm, STENCIL THICKNESS 0.15mm, APERTURE RATIO 100%)

パターン非推奨エリア
パターンを引き回す際は、製品機能に影響がないことをご確認ください。
PATTERN IS NOT RECOMMENDED ON THE HATCHING AREA
PLEASE CHECK NOT TO HAVE PROBLEM FOR PRODUCT FUNCTION
WHEN SETTING PATTERN ON THE HATCHING AREA.

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° |
| 4 PLACES | ± 0.20000 |
| 3 PLACES | ± 0.2000 |
| 2 PLACES | ± 0.200 |
| 1 PLACE | ± 0.20 |
| 0 PLACES | ± 0.20 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBER AS PER PCN #516676

STATUS: Production
DRWN: Pranav Arunkumar 2026-04-28
CHK'D: Ganesh Rao B 2026-05-06
APPR: Gurunandan GA 2026-05-06

molex

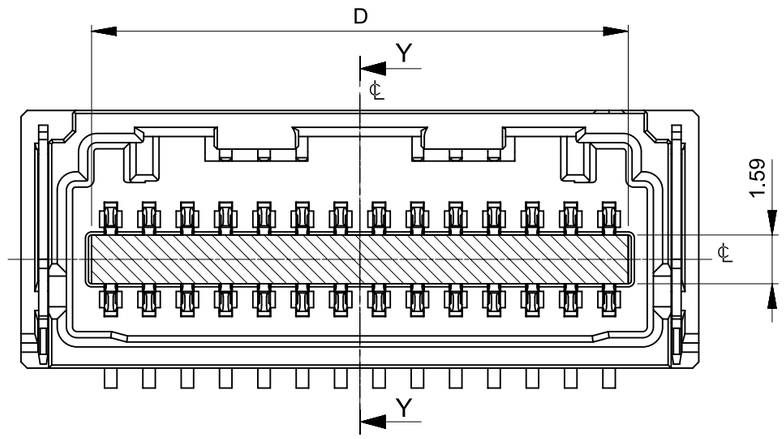
MICRO-LOCK PLUS 1.25 W/B
DUAL ROW VERTICAL SMT PLUG ASSEMBLY
TIN-BISMUTH PLATING

PRODUCT CUSTOMER DRAWING

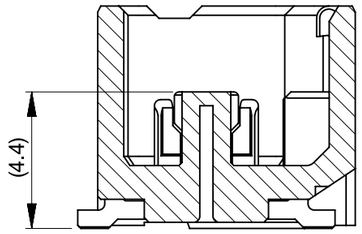
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5054330000 | PSD | 000 | E2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 505433 | SEE CHART | GENERAL | 2 OF 5 |

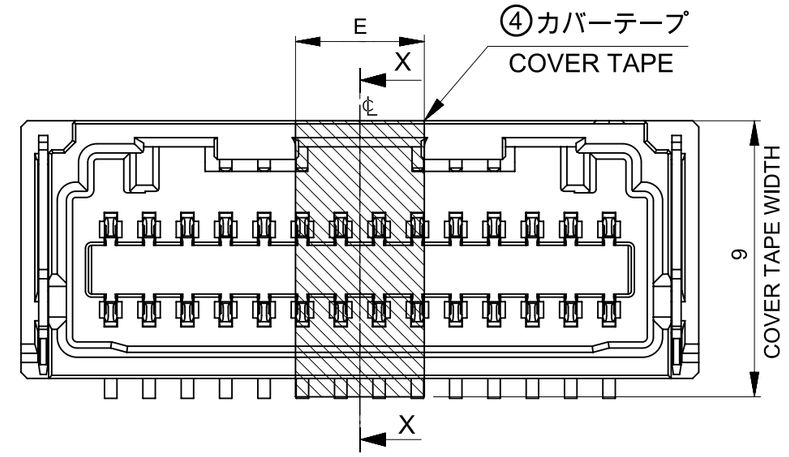
吸着エリア違い
SUCTION AREA DIFFERNECE



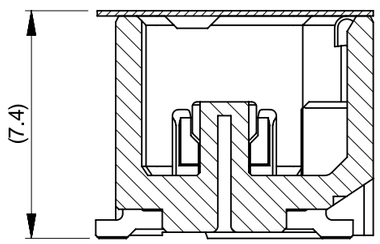

505433 **7*
カバーテープ無し
WITHOUT COVER TAPE



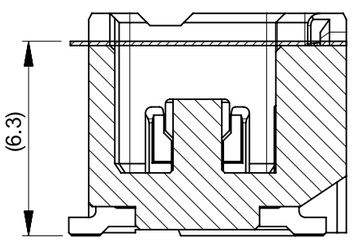

SECTION Y-Y
吸着高さ SUCTION HEIGHT




505433 **8*
カバーテープ有り
WITH COVER TAPE




8-32極
8-32 CIRCUIT




34-42極
34-42 CIRCUIT

SECTION X-X
吸着テープ高さ COVER TAPE HEIGHT

| E | D | 極数 CIRCUIT SIZE |
|---|---|---|
| 4.2 | 5 | 8 |
| | 6.25 | 10 |
| | 7.5 | 12 |
| | 8.75 | 14 |
| | 10 | 16 |
| | 11.25 | 18 |
| | 12.5 | 20 |
| | 13.75 | 22 |
| | 15 | 24 |
| | 16.25 | 26 |
| | 17.5 | 28 |
| | 18.75 | 30 |
| | 20 | 32 |
| | 21.25 | 34 |
| | 22.5 | 36 |
| | 23.75 | 38 |
| | 25 | 40 |
| | 26.25 | 42 |

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° |
| 4 PLACES | ± 0.20000 |
| 3 PLACES | ± 0.2000 |
| 2 PLACES | ± 0.200 |
| 1 PLACE | ± 0.20 |
| 0 PLACES | ± 0.20 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBER AS PER PCN #516676

STATUS: Production
DRWN: Pranav Arunkumar 2026-04-28
CHK'D: Ganesh Rao B 2026-05-06
APPR: Gurunandan GA 2026-05-06

molex

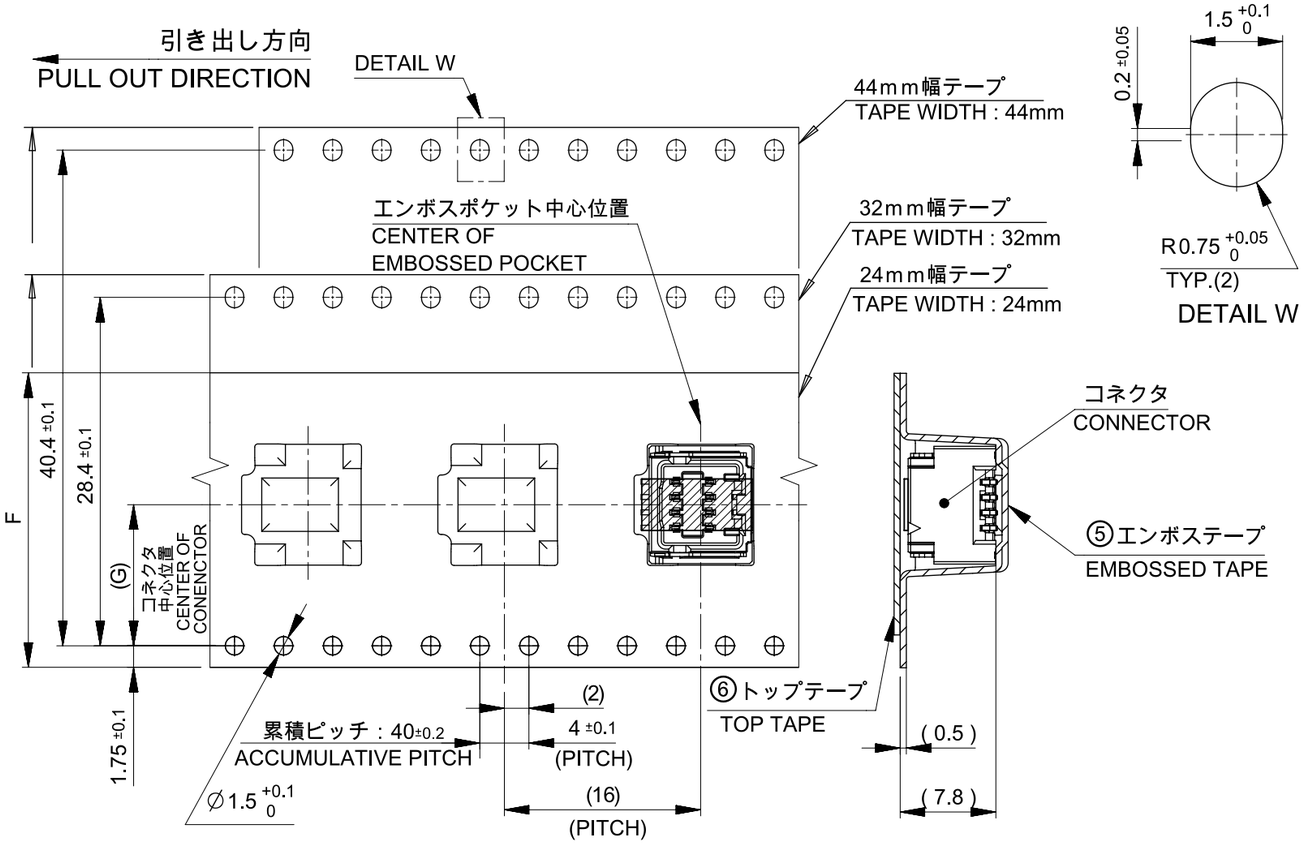
MICRO-LOCK PLUS 1.25 W/B
DUAL ROW VERTICAL SMT PLUG ASSEMBLY
TIN-BISMUTH PLATING

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5054330000 | PSD | 000 | E2 |

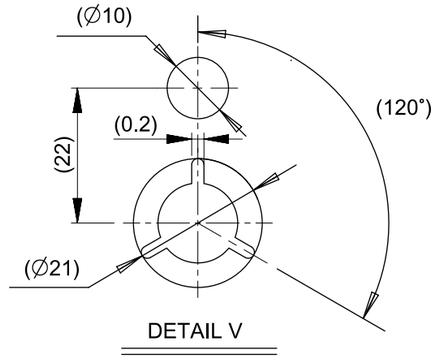
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 505433 | SEE CHART | GENERAL | 3 OF 5 |

FORMAT: TC-0000-A3
REVISION: B
DATE: 2022/08/01







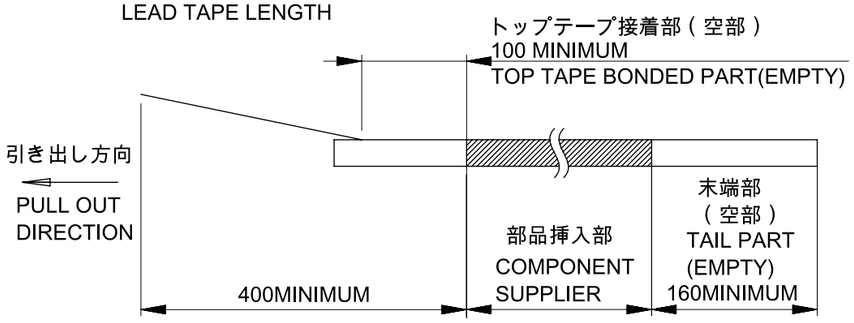






## NOTES

6. 梱包数量　：　500個
   NUMBER OF CONNECTIORS : 500 PIECES/REEL.
7. リードテープ長さ
   LEAD TAPE LENGTH




8. トップテープの剥離強度については、IEC60286-3に準拠
   TOP TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.

1 TABLE 2

| 番号<br>NO. | 部品<br>PART | 材質<br>MATERIAL |
|---|---|---|
| ⑤ | エンボステープ<br>EMBOSSED TAPE | ポリスチレン(PS)<br>POLYSTYRENE(PS) |
| ⑥ | トップテープ<br>TOP TAPE | ポリエチレン(PE)、その他<br>POLYETHYLENE(PE), OTHER |
| ⑦ | 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＞ |

| J | H | G | F | 極数<br>CIRCUIT SIZE |
|---|---|---|---|---|
| 49.4 | 45.4 | 20.2 | 44 ±0.3 | 42 |
| | | | | 40 |
| | | | | 38 |
| | | | | 36 |
| | | | | 34 |
| | | | | 32 |
| | | | | 30 |
| | | | | 28 |
| | | | | 26 |
| 37.4 | 33.4 | 14.2 | 32 ±0.3 | 24 |
| | | | | 22 |
| | | | | 20 |
| | | | | 18 |
| | | | | 16 |
| 29.4 | 25.4 | 11.5 | 24 +0.3 -0.1 | 14 |
| | | | | 12 |
| | | | | 10 |
| | | | | 8 |

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° |
| 4 PLACES | ± 0.20000 |
| 3 PLACES | ± 0.2000 |
| 2 PLACES | ± 0.200 |
| 1 PLACE | ± 0.20 |
| 0 PLACES | ± 0.20 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBER AS PER PCN #516676

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Pranav Arunkumar | 2026-04-28 |
| CHK'D: | Ganesh Rao B | 2026-05-06 |
| APPR: | Gurunandan GA | 2026-05-06 |

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 505433

molex

MICRO-LOCK PLUS 1.25 W/B
DUAL ROW VERTICAL SMT PLUG ASSEMBLY
TIN-BISMUTH PLATING

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5054330000 | PSD | 000 | E2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE CHART | GENERAL | 4 OF 5 |

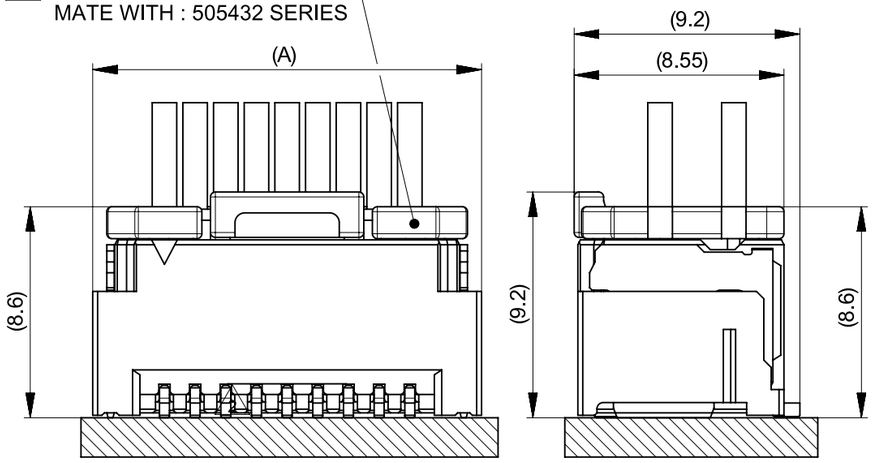
△2 適合製品及び各種仕様書 APPLICABLE PRODUCTS AND VARIOUS SPECIFICATIONS

| | |
|---|---|
| 梱包仕様書<br>PACKAGING SPECIFICATION | 5054339200 PS 200 |

| | | | |
|---|---|---|---|
| 適合嵌合相手<br>MATE WITH | シリーズ番号<br>SERIES NUMBER | 505432 | 214527 |
| | リテーナー対応<br>RETAINER COMPLIANT | NOT COMPLIANT | COMPLIANT<br>(NATURAL, BLACK, RED, BLUE) |
| 適合リテーナーシリーズ番号<br>APPLICABLE RETAINER SERIES NUMBER | | - | 214528 |
| 製品仕様書<br>PRODUCT SPECIFICATION | | 5054320000 PS 002 | 2145270000-PS PS 000 |
| コネクタ取扱説明書<br>APPLICATION SPECIFICATION | | 5054320000-AS PS 000 | |

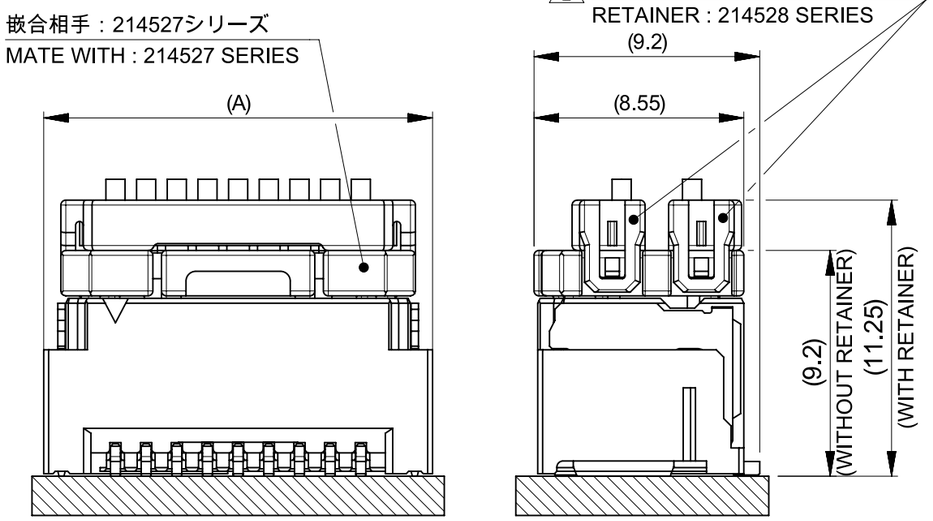
## 嵌合状態図
## MATED CONNECTORS

△2 嵌合相手：505432シリーズ
MATE WITH : 505432 SERIES




△2 嵌合相手：214527シリーズ
MATE WITH : 214527 SERIES

△2 リテーナー：214528シリーズ
RETAINER : 214528 SERIES




△5 505433**** 発注番号一覧 ORDER NUMBER LIST

| WITHOUT | | | | WITH | | | | COVER TAPE |
|---|---|---|---|---|---|---|---|---|
| BLUE | RED | BLACK | NATURAL (BEIGE) | BLUE | RED | BLACK | NATURAL (BEIGE) | HOUSING COLOR |
| 5054334274 | 5054334272 | 5054334271 | 5054334270 | 5054334284 | 5054334282 | 5054334281 | 5054334280 | 42 |
| 5054334074 | 5054334072 | 5054334071 | 5054334070 | 5054334084 | 5054334082 | 5054334081 | 5054334080 | 40 |
| 5054333874 | 5054333872 | 5054333871 | 5054333870 | 5054333884 | 5054333882 | 5054333881 | 5054333880 | 38 |
| 5054333674 | 5054333672 | 5054333671 | 5054333670 | 5054333684 | 5054333682 | 5054333681 | 5054333680 | 36 |
| 5054333474 | 5054333472 | 5054333471 | 5054333470 | 5054333484 | 5054333482 | 5054333481 | 5054333480 | 34 |
| 5054333274 | 5054333272 | 5054333271 | 5054333270 | 5054333284 | 5054333282 | 5054333281 | 5054333280 | 32 |
| 5054333074 | 5054333072 | 5054333071 | 5054333070 | 5054333084 | 5054333082 | 5054333081 | 5054333080 | 30 |
| 5054332874 | 5054332872 | 5054332871 | 5054332870 | 5054332884 | 5054332882 | 5054332881 | 5054332880 | 28 |
| 5054332674 | 5054332672 | 5054332671 | 5054332670 | 5054332684 | 5054332682 | 5054332681 | 5054332680 | 26 |
| 5054332474 | 5054332472 | 5054332471 | 5054332470 | 5054332484 | 5054332482 | 5054332481 | 5054332480 | 24 |
| 5054332274 | 5054332272 | 5054332271 | 5054332270 | 5054332284 | 5054332282 | 5054332281 | 5054332280 | 22 |
| 5054332074 | 5054332072 | 5054332071 | 5054332070 | 5054332084 | 5054332082 | 5054332081 | 5054332080 | 20 |
| 5054331874 | 5054331872 | 5054331871 | 5054331870 | 5054331884 | 5054331882 | 5054331881 | 5054331880 | 18 |
| 5054331674 | 5054331672 | 5054331671 | 5054331670 | 5054331684 | 5054331682 | 5054331681 | 5054331680 | 16 |
| 5054331474 | 5054331472 | 5054331471 | 5054331470 | 5054331484 | 5054331482 | 5054331481 | 5054331480 | 14 |
| 5054331274 | 5054331272 | 5054331271 | 5054331270 | 5054331284 | 5054331282 | 5054331281 | 5054331280 | 12 |
| 5054331074 | 5054331072 | 5054331071 | 5054331070 | 5054331084 | 5054331082 | 5054331081 | 5054331080 | 10 |
| 5054330874 | 5054330872 | 5054330871 | 5054330870 | 5054330884 | 5054330882 | 5054330881 | 5054330880 | 8 |
| 発注番号 ORDER NUMBER | | | | | | | | 極数 CIRCUIT SIZE |
| エンボステープ梱包<br>PACKAGING STYLE : EMBOSSED TAPE AND REEL | | | | | | | | |

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° |
| 4 PLACES | ± 0.20000 |
| 3 PLACES | ± 0.2000 |
| 2 PLACES | ± 0.200 |
| 1 PLACE | ± 0.20 |
| 0 PLACES | ± 0.20 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBER AS PER PCN #516676

STATUS: Production
DRWN: Pranav Arunkumar 2026-04-28
CHK'D: Ganesh Rao B 2026-05-06
APPR: Gurunandan GA 2026-05-06

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 505433

molex

MICRO-LOCK PLUS 1.25 W/B
DUAL ROW VERTICAL SMT PLUG ASSEMBLY
TIN-BISMUTH PLATING

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 5054330000 | PSD | 000 | E2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE CHART | GENERAL | 5 OF 5 |