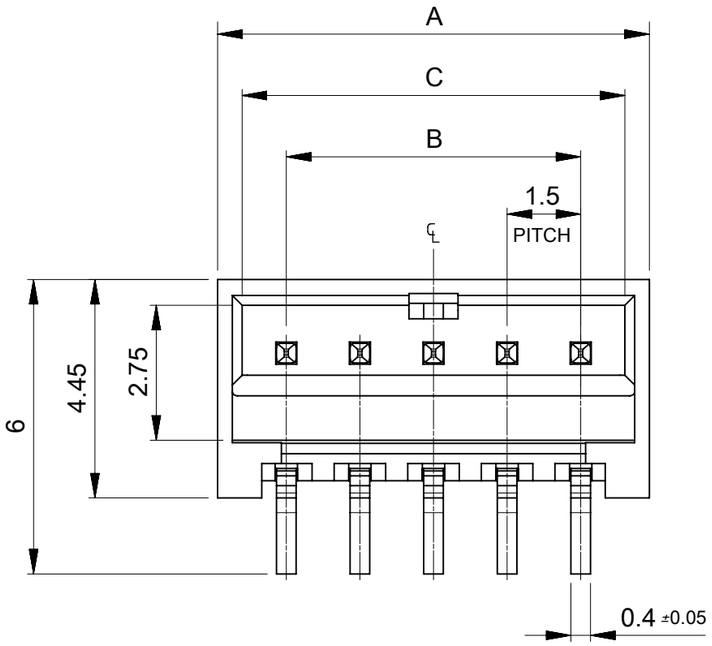
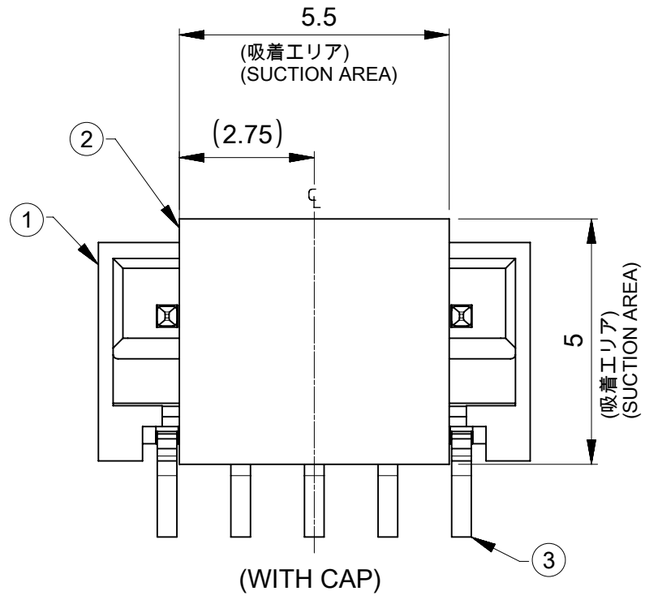
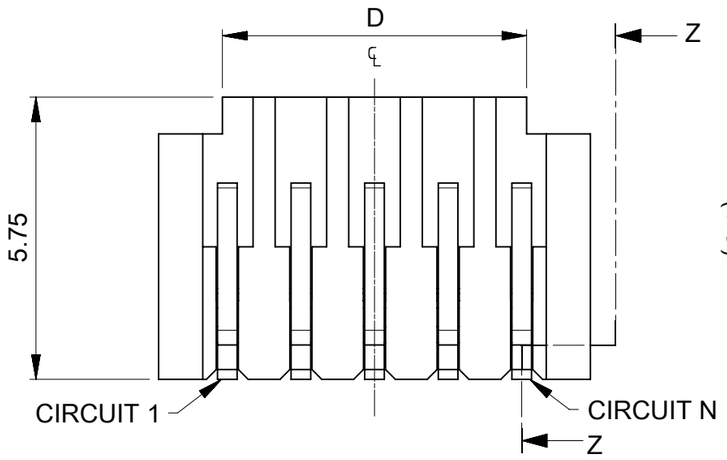
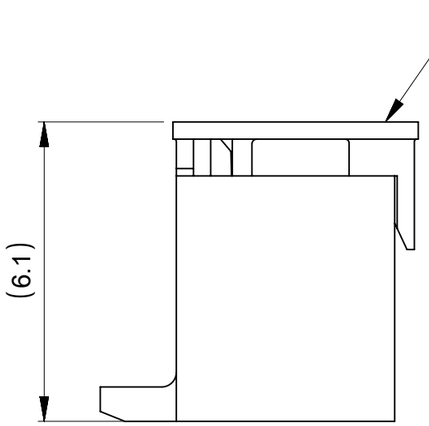


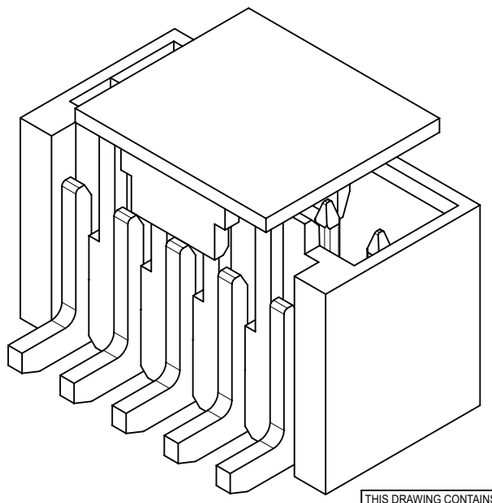




## 注記

NOTE

1. 材質および仕上げ(めっき仕様)：TABLE1 参照
   MATERIAL AND FINISH: SEE TABLE 1
2. 製品仕様書：PS-87437-001
   PRODUCT SPECIFICATION : PS-87437-001
3. 製品取扱説明書：874370000-AS
   APPLICATION SPECIFICATION : 874370000-AS
4. テール平坦度：0.1以下
   TAIL COPLANARITY TO BE 0.1 MAX.
5. 嵌合相手：87439シリーズ (リセプタクルハウジング), 87421シリーズ (圧着端子)
   MATE WITH 87439 SERIES (RECEPTACLE HOUSING) AND
   87421 SERIES (CRIMP TERMINAL).
6. 本製品は錫めっき品である。金めっき品は202705シリーズを参照。
   THIS PRODUCT IS TIN PLATING.
   FOR GOLD PLATING, REFER TO 202705 SERIES.



| | | | | |
|---|---|---|---|---|
| 21.2 | 22.8 | 21.0 | 23.8 | 15 |
| 19.7 | 21.3 | 19.5 | 22.3 | 14 |
| 18.2 | 19.8 | 18.0 | 20.8 | 13 |
| 16.7 | 18.3 | 16.5 | 19.3 | 12 |
| 15.2 | 16.8 | 15.0 | 17.8 | 11 |
| 13.7 | 15.3 | 13.5 | 16.3 | 10 |
| 12.2 | 13.8 | 12.0 | 14.8 | 9 |
| 10.7 | 12.3 | 10.5 | 13.3 | 8 |
| 9.2 | 10.8 | 9.0 | 11.8 | 7 |
| 7.7 | 9.3 | 7.5 | 10.3 | 6 |
| 6.2 | 7.8 | 6.0 | 8.8 | 5 |
| 4.7 | 6.3 | 4.5 | 7.3 | 4 |
| 3.2 | 4.8 | 3.0 | 5.8 | 3 |
| 1.7 | 3.3 | 1.5 | 4.3 | 2 |
| D | C | B | A | 極数 CIRCUIT SIZE |

## △1 TABLE1

| 番号 No. | 部品 PART | 材質 MATERIAL | |
|---|---|---|---|
| ① | ハウジング HOUSING | ナイロン, UL94-V0, 色：自然色(ベージュ) /黒 NYLON (PA), UL94-V0, COLOR : NATURAL(BEIGE) /BLACK | |
| ② | キャップ CAP | ナイロン, UL94-V0, 色：ベージュ NYLON (PA), UL94-V0, COLOR : BEIGE | |
| ③ | ターミナル TERMINAL | 材料 MATERIAL | 黄銅 BRASS |
| | | 下地めっき UNDER PLATING | ニッケルめっき 1.27マイクロメートル以上 NICKEL PLATING 1.27micro-meter MIN |
| | | 接点部、テール CONTACT AND TAIL | 無光沢錫めっき 2.54マイクロメートル以上 MATTE TIN PLATING 2.54 micro-meter MIN |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/05 07:06:55 |
|---|---|---|---|

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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#517919

EC NO: 849128

| | | |
|---|---|---|
| DRWN: | RAGHAH3 | 2026/03/02 |
| CHK'D: | GGA | 2026/03/05 |
| APPR: | GGA | 2026/03/05 |

INITIAL REVISION:

| | | |
|---|---|---|
| DRWN: | RTANAKA02 | 2018/11/21 |
| APPR: | SAKIYAMA | 2019/04/26 |

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87437

molex

PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)

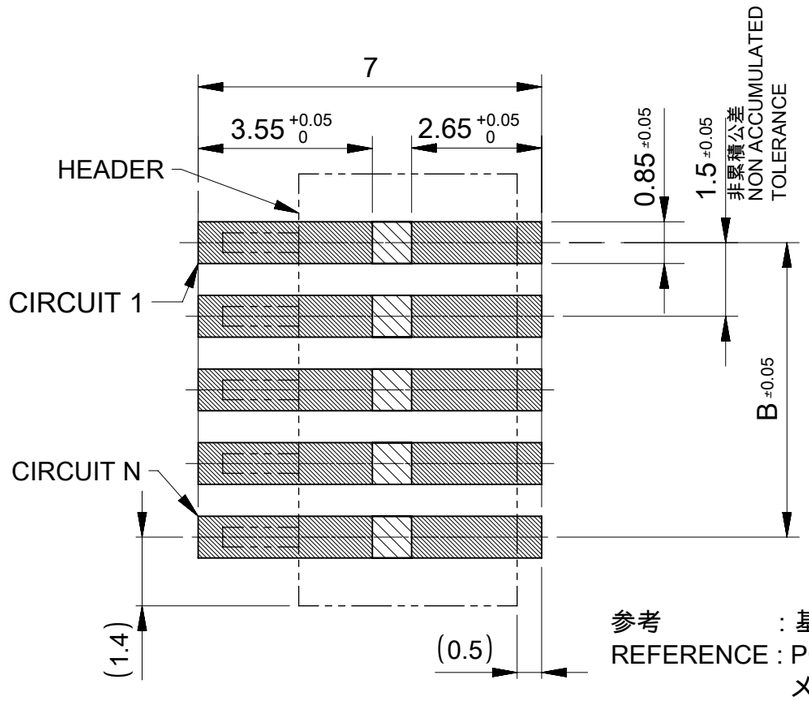
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 874370231-SD | PSD | 000 | B2 |

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

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

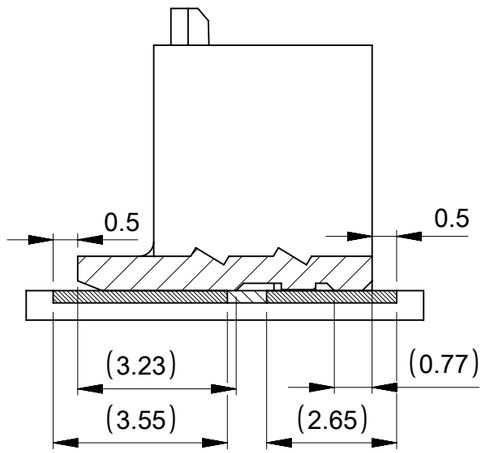
# 推奨基板レイアウト
# RECOMMENDED PCB LAYOUT




参考　　：基板厚 1.0mm
REFERENCE : PCB THICKNESS 1.0mm
メタルマスク厚 0.12mm
STENCIL THICKNESS 0.12mm
マスク開口率100%
APERTURE RATIO 100%.

: 半田エリア (パターンエリア)
SOLDER AREA (COPPER ZONE)

: 半田禁止エリア (パターン禁止エリア)
SOLDER KEEP OUT AREA (NO-COPPER ZONE)
半田上がりを防ぐため。
TO PREVENT SOLDER LIFTING.
レジストによって分離する場合は、パターン面よりも盛り上がらないこと。
IF APPLY RESIST IN THIS AREA, LEVEL AS PATTERN AREA FACE.

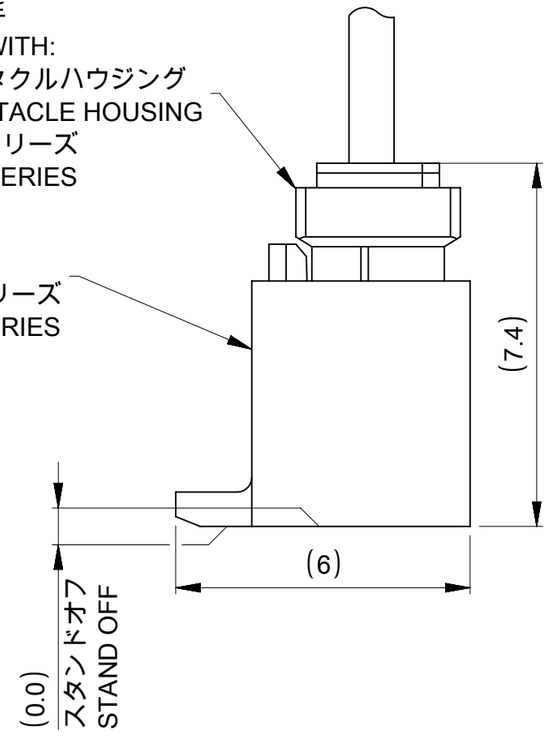



SECTION Z-Z

# △5 嵌合図
# MATED CONNECTORS

嵌合相手
MATE WITH:
レセプタクルハウジング
RECEPTACLE HOUSING
87439シリーズ
87439 SERIES

ヘッダー
HEADER
87437シリーズ
87437 SERIES




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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#517919

EC NO: 849128
DRWN: RAGHAH3 2026/03/02
CHK'D: GGA 2026/03/05
APPR: GGA 2026/03/05

INITIAL REVISION:
DRWN: RTANAKA02 2018/11/21
APPR: SAKIYAMA 2019/04/26

molex

PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)

PRODUCT CUSTOMER DRAWING

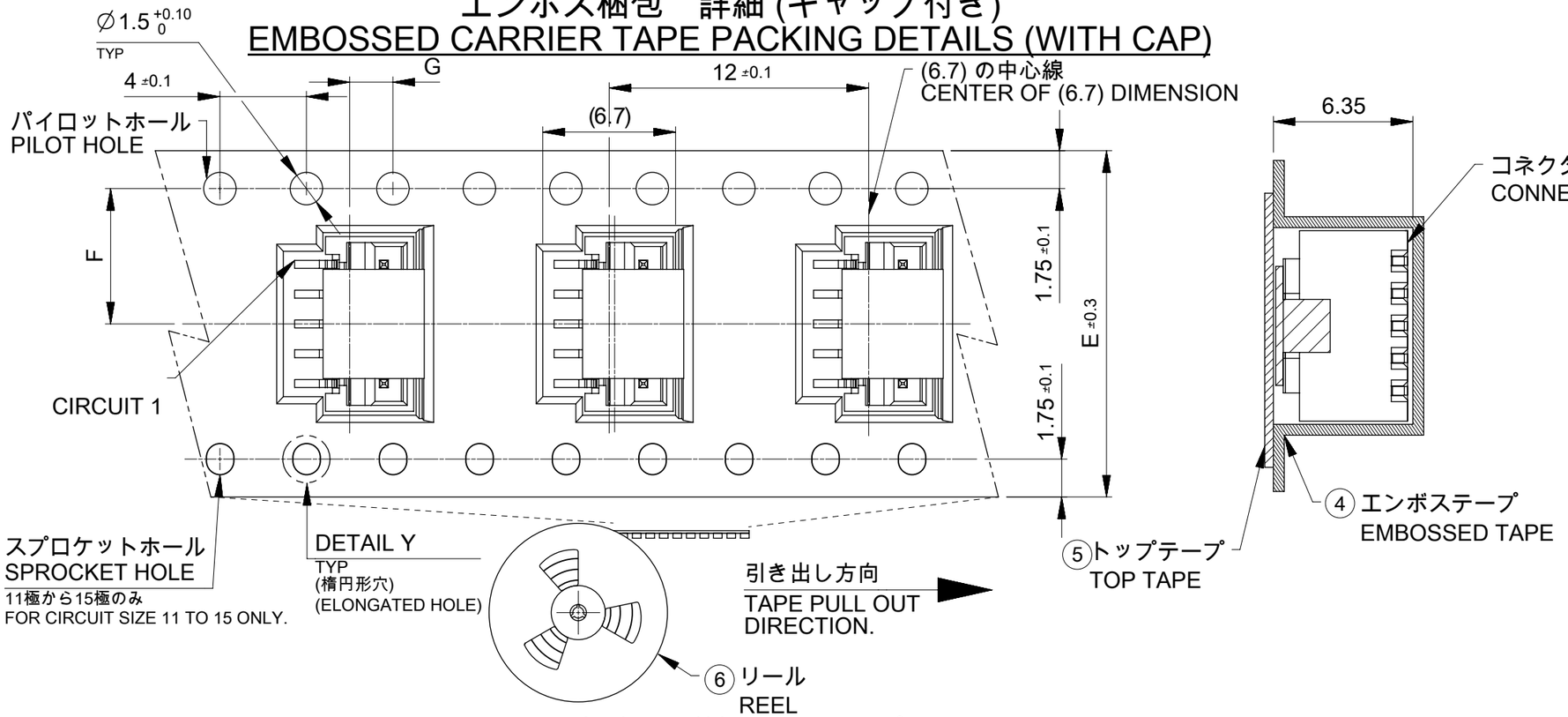
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 874370231-SD | PSD | 000 | B2 |

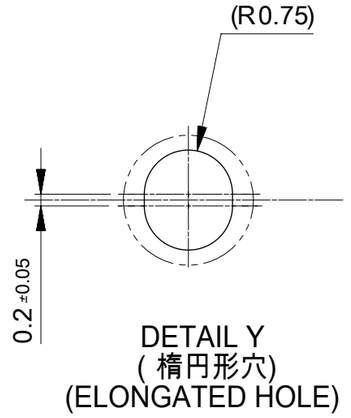
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 87437 | SEE SHEET 5 | GENERAL | 2 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/05 07:06:55 |
|---|---|---|---|

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

# エンボス梱包　詳細 (キャップ付き)
# EMBOSSED CARRIER TAPE PACKING DETAILS (WITH CAP)

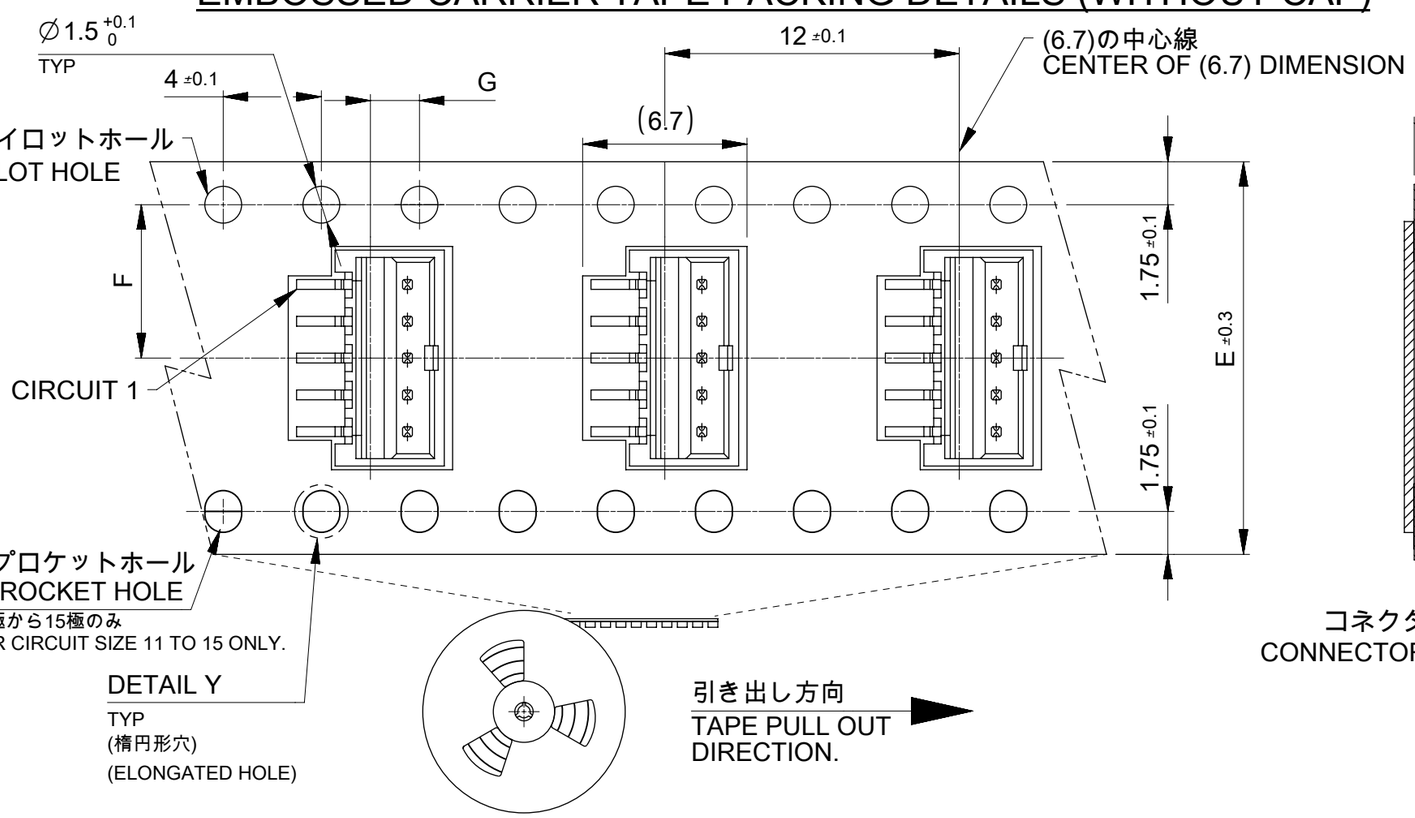



DETAIL Y
( 楕円形穴)
(ELONGATED HOLE)

| 番号 NO. | 部品 PART | 材質 MATERIAL |
|---|---|---|
| ④ | エンボステープ EMBOSSED TAPE | ポリスチレン POLYSTYRENE (PS) |
| ⑤ | トップテープ TOP TAPE | ポリエチレン POLYETHYLENE (PE) |
| ⑥ | リール REEL | ポリスチレン POLYSTYRENE (PS) |

# エンボス梱包　詳細 (キャップなし)
# EMBOSSED CARRIER TAPE PACKING DETAILS (WITHOUT CAP)




| G | F | E | 極数 CIRCUIT SIZE |
|---|---|---|---|
| 2±0.15 | 20.2±0.15 | 44 | 15 |
| 2±0.1 | 14.2±0.1 | 32 | 14 |
| | | | 13 |
| | | | 12 |
| | | | 11 |
| | 11.5±0.1 | 24 | 10 |
| | | | 9 |
| | | | 8 |
| | | | 7 |
| | 7.5±0.1 | 16 | 6 |
| | | | 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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#517919

EC NO: 849128
DRWN: RAGHAH3 2026/03/02
CHK'D: GGA 2026/03/05
APPR: GGA 2026/03/05

INITIAL REVISION:
DRWN: RTANAKA02 2018/11/21
APPR: SAKIYAMA 2019/04/26

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87437

molex

PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 874370231-SD | PSD | 000 | B2 |

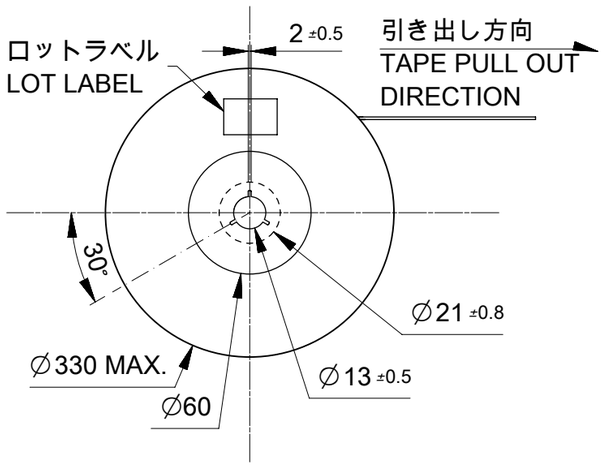
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE SHEET 5 | GENERAL | 3 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/05 07:06:55 |
|---|---|---|---|

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

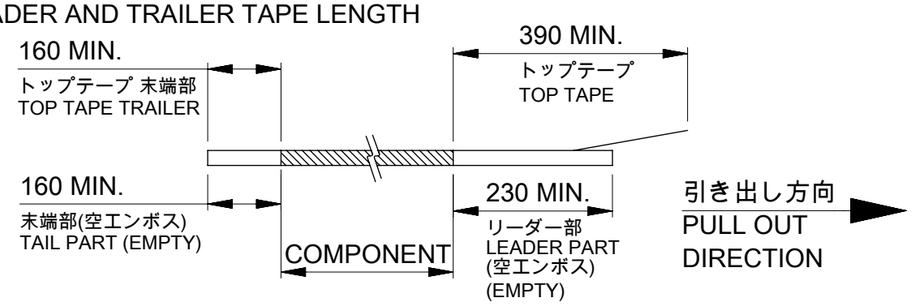
# リール　詳細
# REEL DETAILS



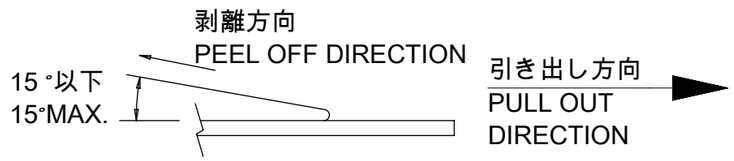




## 注記
## NOTE

7．リーダー部および末端部テープ長さ
LEADER AND TRAILER TAPE LENGTH




8．トップテープの剥離強度：IEC60286-3に準拠。
PEELING OFF FORCE OF THE TOP TAPE: DEFINED IEC60286-3.
(剥離方向は下図を参照)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)




9．EIA-481に準拠する。
PACKAGING STANDARD IS AS PER EIA-481.

10．梱包数量
TAPE & REEL QUANTITY
キャップ付き：900個/リール
WITH CAP : 900PCS/REEL
キャップなし：1000個/リール
WITHOUT CAP : 1000PCS/REEL

11．本製品は乾燥剤入りハイバリア梱包での納品となる。
THIS PRODUCT IS DELIVERED IN A HIGH BARRIER PACKAGE WITH DESICCANT.

12．梱包仕様書：SPK-87437-001
PACKING INFORMATION : SPK-87437-001

| J | H MAX | 極数 CIRCUIT SIZE |
|---|---|---|
| 44.4 | 50.4 | 15 |
| 32.4 | 38.4 | 14 |
| | | 13 |
| | | 12 |
| | | 11 |
| 24.4 | 30.4 | 10 |
| | | 9 |
| | | 8 |
| | | 7 |
| 16.4 | 22.4 | 6 |
| | | 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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#517919

EC NO: 849128
DRWN: RAGHAH3 2026/03/02
CHK'D: GGA 2026/03/05
APPR: GGA 2026/03/05

INITIAL REVISION:
DRWN: RTANAKA02 2018/11/21
APPR: SAKIYAMA 2019/04/26

molex

PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 874370231-SD | PSD | 000 | B2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 87437 | SEE SHEET 5 | GENERAL | 4 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/05 07:06:55 |
|---|---|---|---|

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

発注番号
ORDER NUMBER

87437 * * * 3

| 極数<br>CIRCUIT SIZE |
|---|
| 02 から 15<br>02 TO 15 |

| ハウジングカラー, キャップオプション<br>HOUSING COLOR AND CAP OPTION |
|---|
| 4: ハウジングカラー：ベージュ, キャップ無<br>BEIGE COLOR HOUSING WITHOUT CAP |
| 5: ハウジングカラー：黒, キャップ無<br>BLACK COLOR HOUSING WITHOUT CAP |
| 6: ハウジングカラー：黒, キャップ有<br>BLACK COLOR HOUSING WITH CAP |
| 7: ハウジングカラー：ベージュ, キャップ有<br>BEIGE COLOR HOUSING WITH CAP |

| 有<br>WITH | | 無<br>WITHOUT | キャップ<br>CAP |
|---|---|---|---|
| 黒<br>BLACK | ベージュ<br>BEIGE | ベージュ<br>BEIGE | ハウジングカラー<br>HOUSING COLOR |
| --- | 874371573 | 874371543 | 15 |
| --- | 874371473 | 874371443 | 14 |
| --- | 874371373 | 874371343 | 13 |
| --- | 874371273 | 874371243 | 12 |
| --- | 874371173 | 874371143 | 11 |
| 874371063 | 874371073 | 874371043 | 10 |
| 874370963 | 874370973 | 874370943 | 9 |
| 874370863 | 874370873 | 874370843 | 8 |
| 874370763 | 874370773 | 874370743 | 7 |
| 874370663 | 874370673 | 874370643 | 6 |
| 874370563 | 874370573 | 874370543 | 5 |
| 874370463 | 874370473 | 874370443 | 4 |
| 874370363 | 874370373 | 874370343 | 3 |
| 874370263 | 874370273 | 874370243 | 2 |
| 発注番号 ORDER NUMBER | | | 極数<br>CIRCUIT SIZE |
| 梱包形態：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 | 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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#517919

EC NO: 849128
DRWN: RAGHAH3 2026/03/02
CHK'D: GGA 2026/03/05
APPR: GGA 2026/03/05

INITIAL REVISION:
DRWN: RTANAKA02 2018/11/21
APPR: SAKIYAMA 2019/04/26

molex

PICO-SPOX 1.5 W/B CONN VERTICAL HEADER ASSY (SMT TIN PLATING VERSION)

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 874370231-SD | PSD | 000 | B2 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 87437 | SEE CHART | GENERAL | 5 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2026/03/05 07:06:55 |
|---|---|---|---|

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