

F

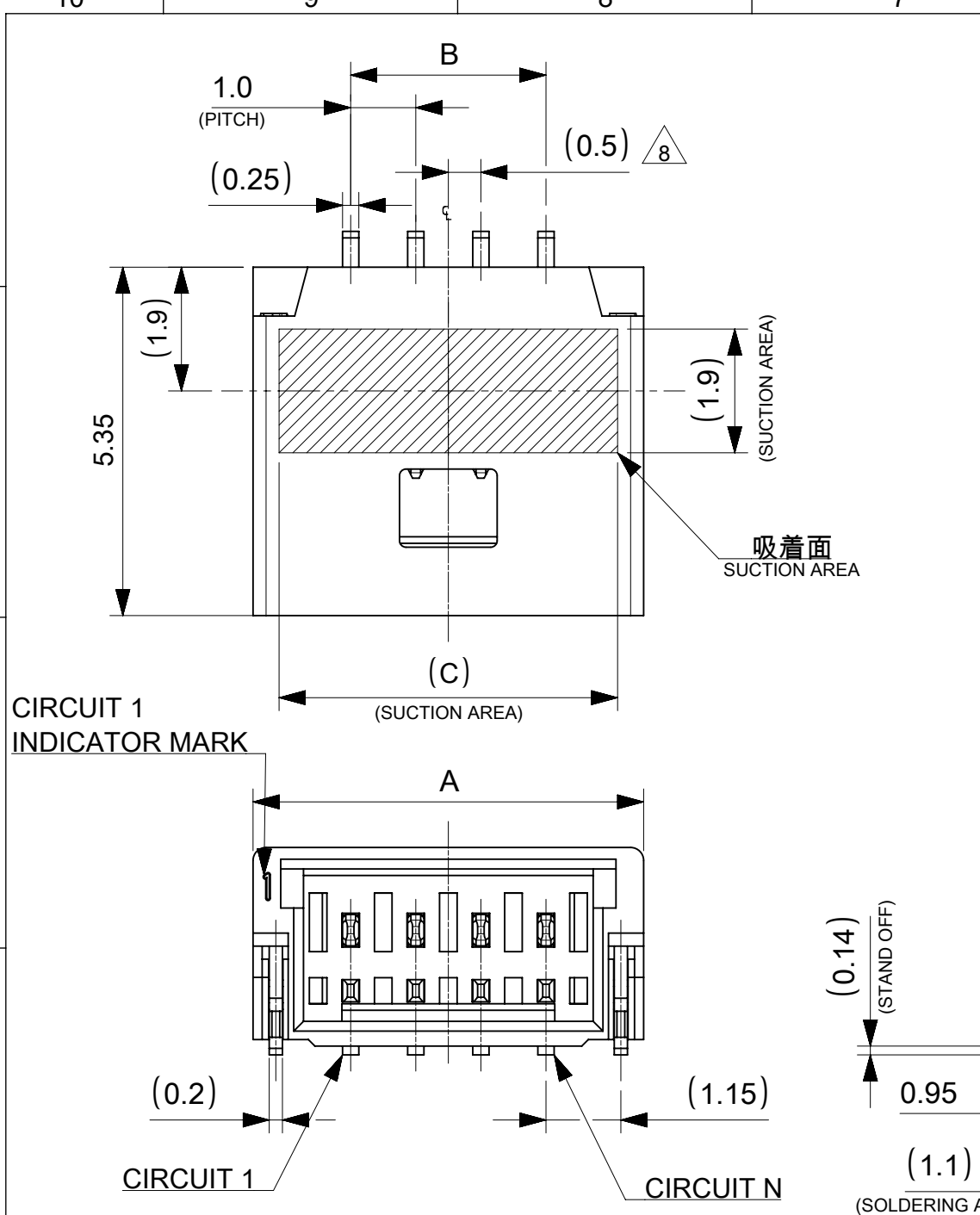
E

D

C

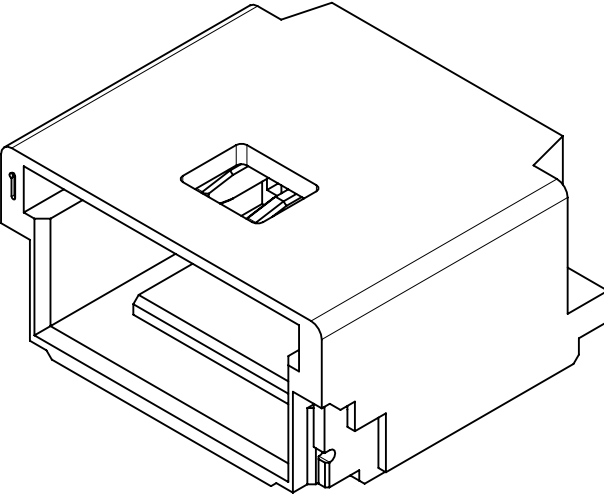
B

A



$\triangle_2$  TABLE 1

| 番号<br>NO. | 部品<br>PART           | 材質<br>MATERIAL                                                                     |                                                  |
|-----------|----------------------|------------------------------------------------------------------------------------|--------------------------------------------------|
| ①         | ウエハー<br>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<br>SOLDER PIN | リン青銅<br>PHOSPHOR BRONZE                                                            |                                                  |
|           |                      | 接点部<br>CONTACT AREA                                                                | 金めっき : 0.1 MICRO-METER MIN.<br>GOLD PLATING      |
|           |                      | テール部<br>TAIL AREA                                                                  | 金めっき : 0.05 MICRO-METER MIN.<br>GOLD PLATING     |
|           |                      | 下地めっき<br>UNDER PLATING                                                             | ニッケルめっき : 1.27 MICRO-METER MIN.<br>NICKEL        |
| ③         | ネイル<br>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         |



NOTES

- 本製品は極数によって、ロック形状が変わりますのでご注意願います。  
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
- $\triangle_2$  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
- 製品仕様書 : 2023960000 PS 000  
PRODUCT SPECIFICATION:
- 梱包形態 : SEE SHEET 4  
PACKAGING INFORMATION:
- $\triangle_5$  嵌合相手 : 501330 シリーズ  
MATES WITH:501330 SERIES
- 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):
- 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.
- $\triangle_8$  偶数極に適用  
APPLY FOR EVEN CIRCUIT
- その他金めっき厚品及び錫めっき品は以下の図面をご参照ください。  
PLEASE REFER TO THE FOLLOWING DRAWING FOR OTHER GOLD PLATING VERSION AND TIN PLATING VERSION.

| PLATING | PLATING THICKNESS [micro-meter MIN.] | SERIES No. | DRAWING No.           |
|---------|--------------------------------------|------------|-----------------------|
| TIN     | 1.0                                  | 501568     | 5015680000-SD PSD 000 |
| GOLD    | 0.38                                 | 203558     | 2035580000-SD PSD 000 |
|         | 0.76                                 | 203559     | 2035590000-SD PSD 000 |

|     |     |     |                    |
|-----|-----|-----|--------------------|
| 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<br>CIRCUIT SIZE |

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  
CHK'D: SAKIYAMA  
APPR: AIDA

2023/06/27  
2024/09/26  
2024/09/27

INITIAL REVISION:  
DRWN: AISHIKAWA  
APPR: KOMURAKAMI

2019/04/02  
2019/04/05

molex

PICO-CLASP 1.0 W/B  
SINGLE ROW RA SMT INNER LOCK GOLD PLATING  
0.1 MICRO-METER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

2023960000-SD

DOC TYPE

PSD

DOC PART

000

REVISION

D

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

202396

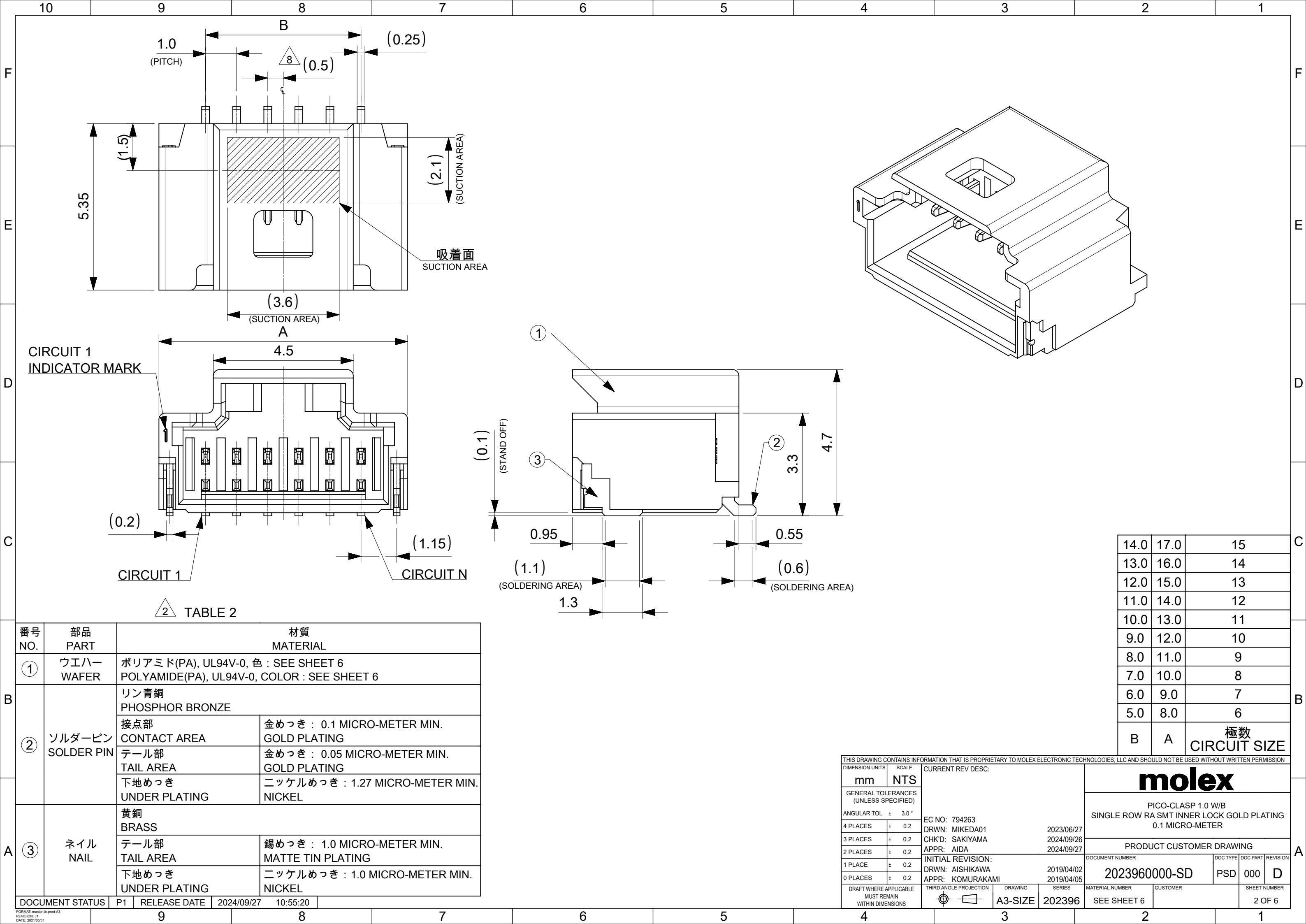
MATERIAL NUMBER

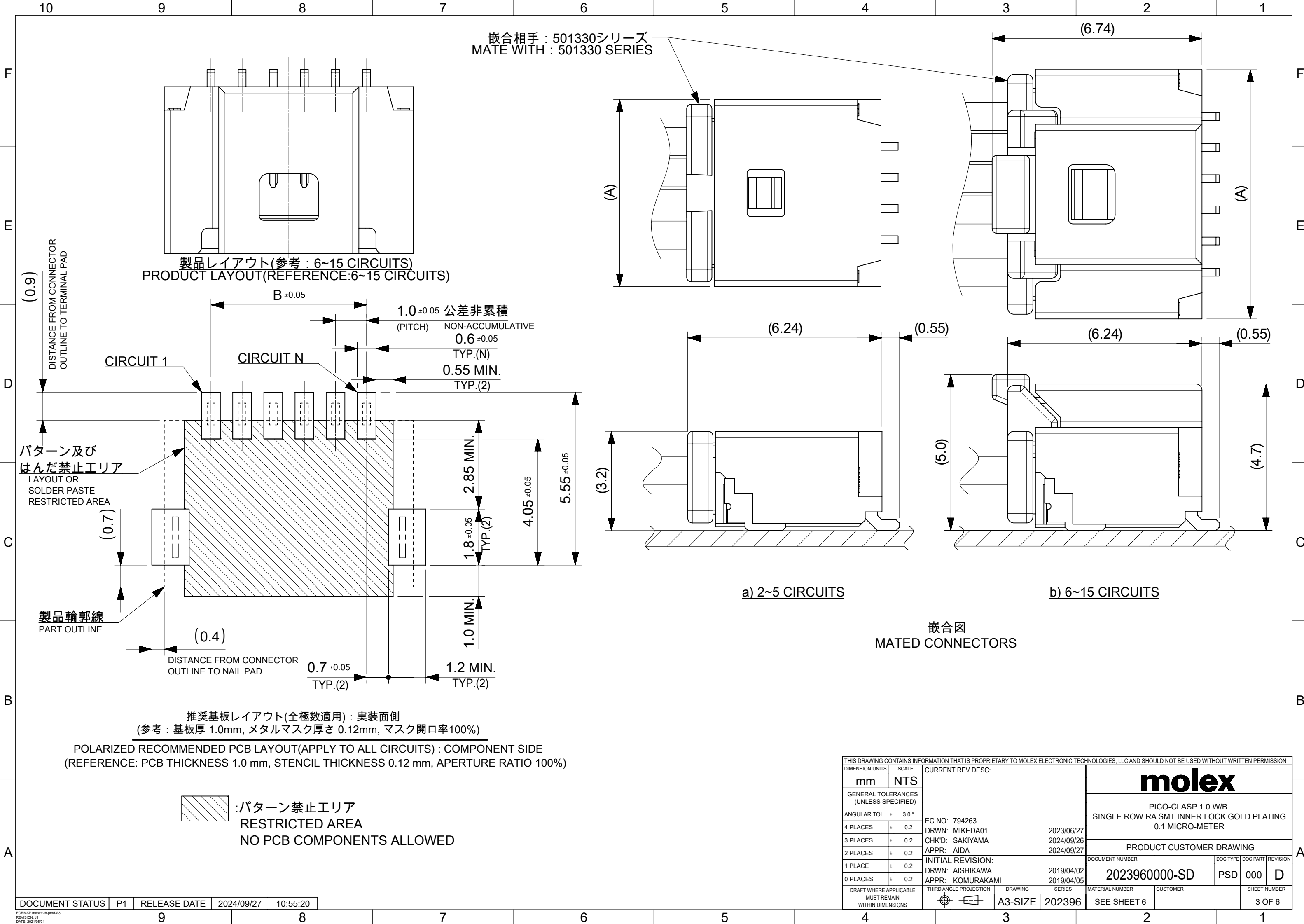
SEE SHEET 6

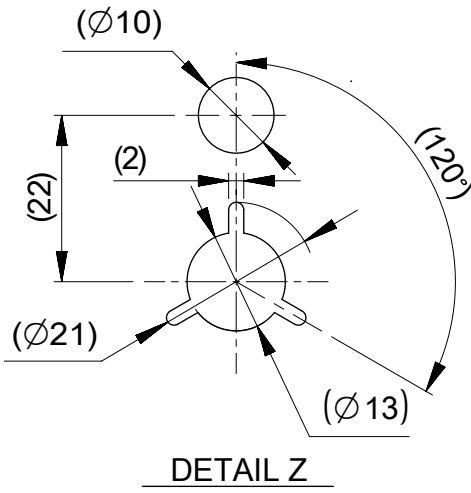
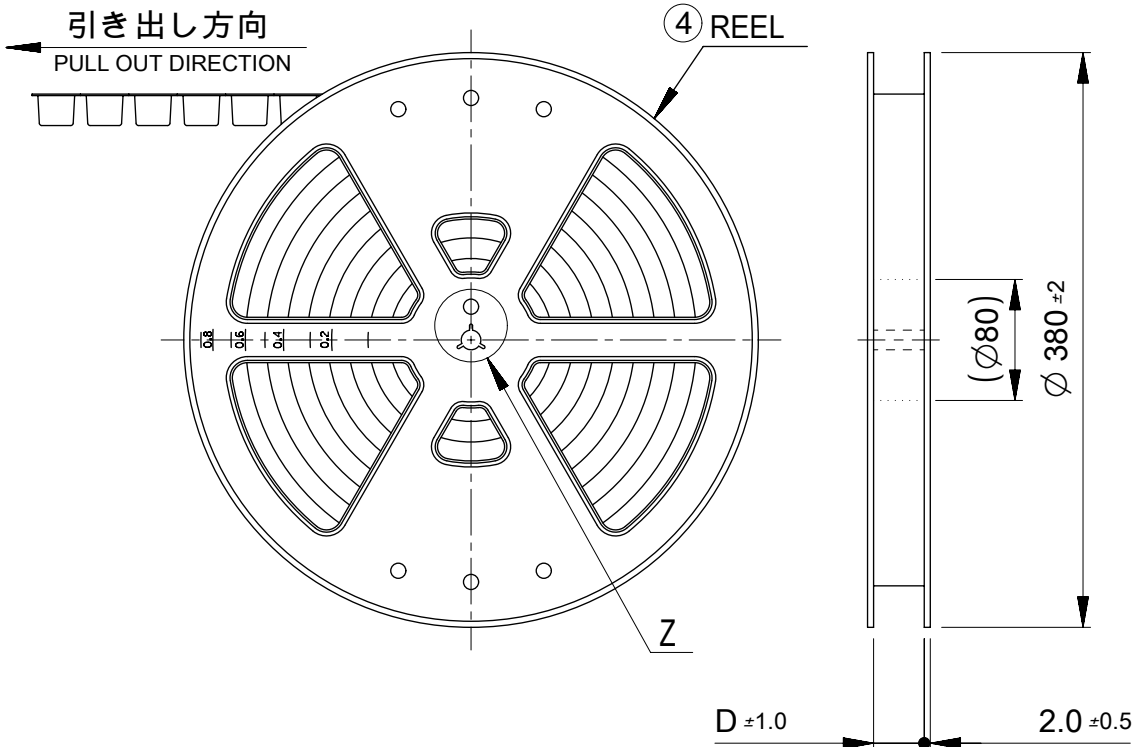
CUSTOMER

SHEET NUMBER

1 OF 6



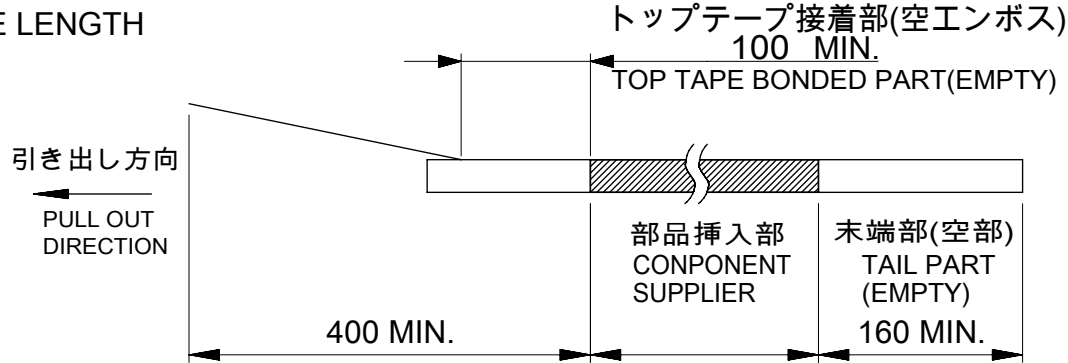




NOTES

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 : 2023969200 PS 200  
PACKAGE SPECIFICATION:

- △15 発注番号 : SHEET 6 参照  
ORDER No. : PLEASE REFER TO SHEET 6 FOR PRODUCT LIST.

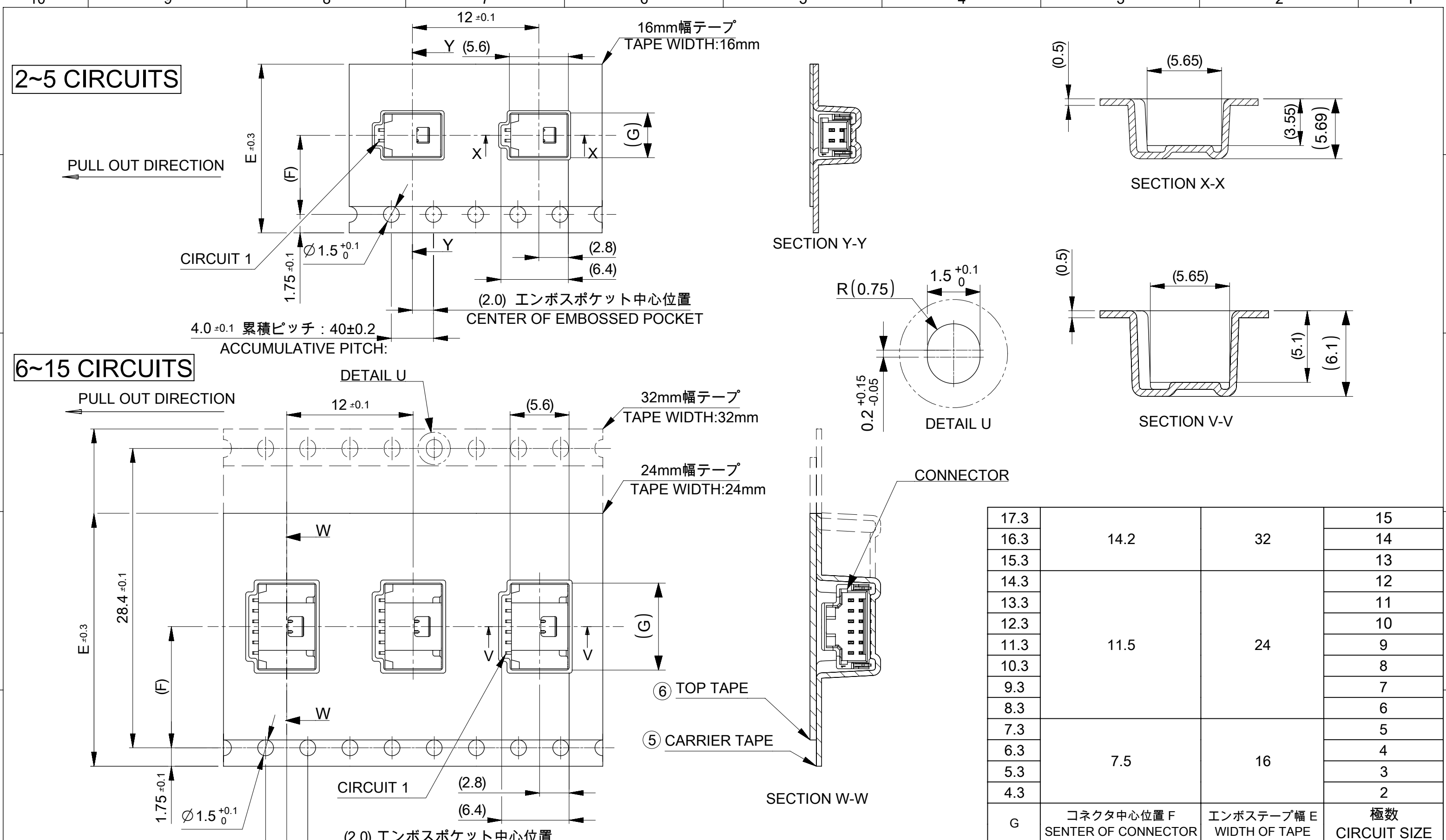
202396 - \*\* \*\* \*

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

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

| 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 10:55:20 |             |                                                                        |

|                                                                                                                                               |  |       |  |                             |  |                 |                                           |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|-----------------------------|--|-----------------|-------------------------------------------|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |                             |  |                 |                                           |              |  |
| DIMENSION UNITS                                                                                                                               |  | SCALE |  | CURRENT REV DESC:           |  |                 | <b>molex</b>                              |              |  |
| mm                                                                                                                                            |  | NTS   |  |                             |  |                 |                                           |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |  |                             |  |                 | PICO-CLASP 1.0 W/B                        |              |  |
| ANGULAR TOL ± 3.0 °                                                                                                                           |  |       |  |                             |  |                 | SINGLE ROW RA SMT INNER LOCK GOLD PLATING |              |  |
| 4 PLACES ± 0.2                                                                                                                                |  |       |  |                             |  |                 | 0.1 MICRO-METER                           |              |  |
| 3 PLACES ± 0.2                                                                                                                                |  |       |  | EC NO: 794263               |  |                 | PRODUCT CUSTOMER DRAWING                  |              |  |
| 2 PLACES ± 0.2                                                                                                                                |  |       |  | DRWN: MIKEDA01 2023/06/27   |  |                 |                                           |              |  |
| 1 PLACE ± 0.2                                                                                                                                 |  |       |  | CHK'D: SAKIYAMA 2024/09/26  |  |                 |                                           |              |  |
| 0 PLACES ± 0.2                                                                                                                                |  |       |  | APPR: AIDA 2024/09/27       |  |                 | DOCUMENT NUMBER                           |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | INITIAL REVISION:           |  |                 | 2023960000-SD                             |              |  |
|                                                                                                                                               |  |       |  | DRWN: AISHIKAWA 2019/04/02  |  |                 | DOC TYPE                                  |              |  |
|                                                                                                                                               |  |       |  | APPR: KOMURAKAMI 2019/04/05 |  |                 | DOC PART                                  |              |  |
| THIRD ANGLE PROJECTION                                                                                                                        |  |       |  | DRAWING                     |  | SERIES          |                                           | REVISION     |  |
|                                                          |  |       |  | A3-SIZE                     |  | 202396          |                                           | PSD 000 D    |  |
|                                                                                                                                               |  |       |  |                             |  | MATERIAL NUMBER |                                           | SHEET NUMBER |  |
|                                                                                                                                               |  |       |  |                             |  | SEE SHEET 6     |                                           | 4 OF 6       |  |



|      |                                  |                             |                    |
|------|----------------------------------|-----------------------------|--------------------|
| 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  | 7.5                              | 16                          | 6                  |
| 7.3  |                                  |                             | 5                  |
| 6.3  |                                  |                             | 4                  |
| 5.3  |                                  |                             | 3                  |
| 4.3  |                                  |                             | 2                  |
| G    | コネクタ中心位置 F<br>SENER OF CONNECTOR | エンボステープ幅 E<br>WIDTH OF TAPE | 極数<br>CIRCUIT SIZE |

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

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/09/27 | 10:55:20 |
|-----------------|----|--------------|------------|----------|

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| DIMENSION UNITS                                                                                                                               |  | SCALE                  |  | CURRENT REV DESC:                                                                                                                                    |  |            |  |                 |  |
| mm                                                                                                                                            |  | NTS                    |  | <div>molex</div> <div>PICO-CLASP 1.0 W/B<br/>SINGLE ROW RA SMT INNER LOCK GOLD PLATING<br/>0.1 MICRO-METER</div> <div>PRODUCT CUSTOMER DRAWING</div> |  |            |  |                 |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  | ANGULAR TOL            |  | EC NO: 794263                                                                                                                                        |  | 2023/06/27 |  | DOCUMENT NUMBER |  |
| 4 PLACES                                                                                                                                      |  | ± 0.2                  |  | DRWN: MIKEDA01                                                                                                                                       |  | 2024/09/26 |  | DOC TYPE        |  |
| 3 PLACES                                                                                                                                      |  | ± 0.2                  |  | CHK'D: SAKIYAMA                                                                                                                                      |  | 2019/04/02 |  | DOC PART        |  |
| 2 PLACES                                                                                                                                      |  | ± 0.2                  |  | APPR: AIDA                                                                                                                                           |  | 2024/09/27 |  | REVISION        |  |
| 1 PLACE                                                                                                                                       |  | ± 0.2                  |  | INITIAL REVISION:                                                                                                                                    |  | 2023/06/27 |  | 2023960000-SD   |  |
| 0 PLACES                                                                                                                                      |  | ± 0.2                  |  | DRWN: AISHIKAWA                                                                                                                                      |  | 2019/04/05 |  | PSD             |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | THIRD ANGLE PROJECTION |  | DRAWING                                                                                                                                              |  | SERIES     |  | MATERIAL NUMBER |  |
|                                                                                                                                               |  |                        |  |                                                                                                                                                      |  | A3-SIZE    |  | CUSTOMER        |  |
|                                                                                                                                               |  |                        |  |                                                                                                                                                      |  | 202396     |  | SEE SHEET 6     |  |
|                                                                                                                                               |  |                        |  |                                                                                                                                                      |  |            |  | SHEET NUMBER    |  |
|                                                                                                                                               |  |                        |  |                                                                                                                                                      |  |            |  | 5 OF 6          |  |

