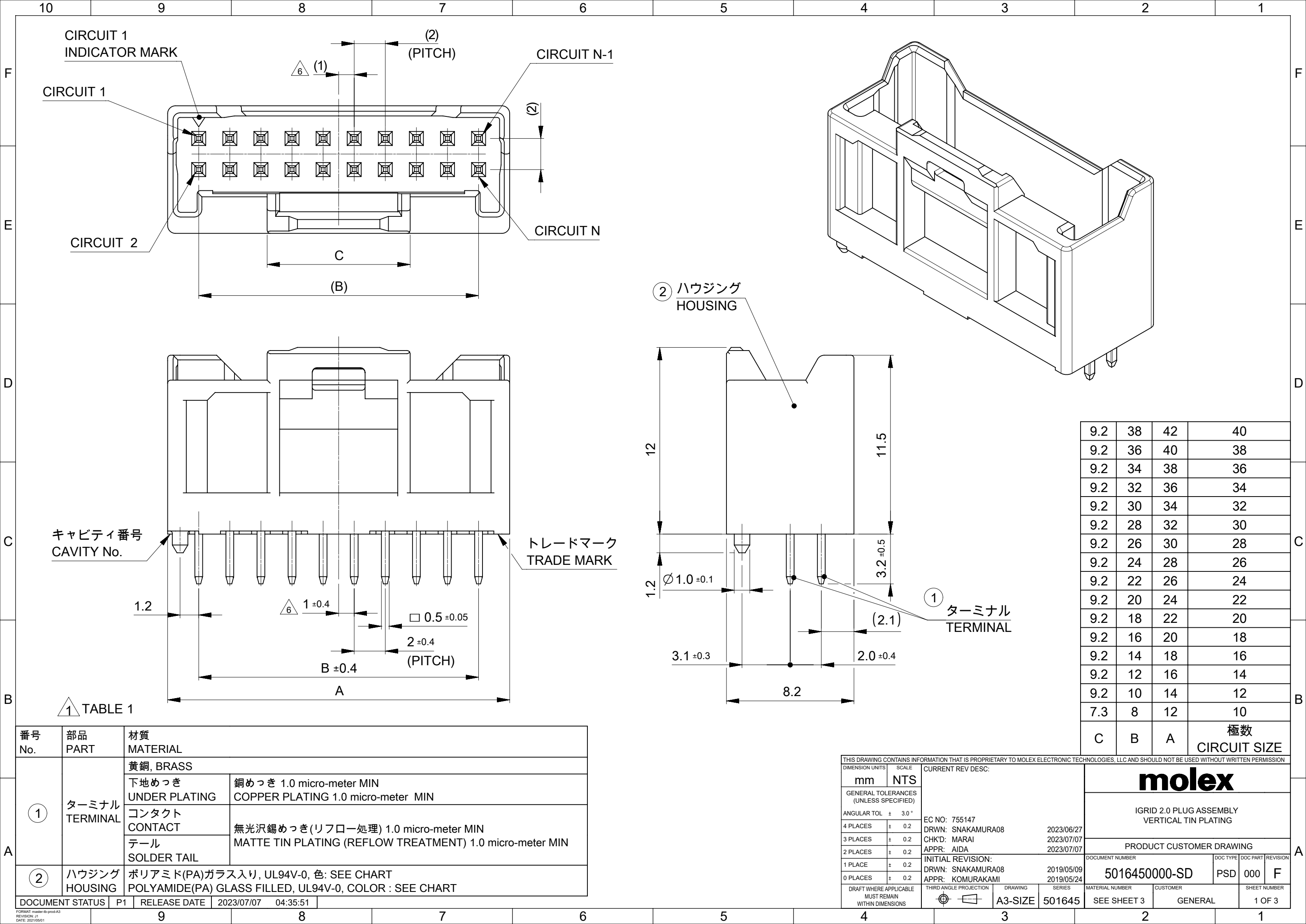




| 番号<br>No.       | 部品<br>PART        | 材質<br>MATERIAL                                                                                  |                                                                                                 |
|-----------------|-------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| ①               | ターミナル<br>TERMINAL | 黄銅, BRASS                                                                                       |                                                                                                 |
|                 |                   | 下地めっき<br>UNDER PLATING                                                                          | 銅めっき 1.0 micro-meter MIN<br>COPPER PLATING 1.0 micro-meter MIN                                  |
|                 |                   | コンタクト<br>CONTACT                                                                                | 無光沢錫めっき(リフロー処理) 1.0 micro-meter MIN<br>MATTE TIN PLATING (REFLOW TREATMENT) 1.0 micro-meter MIN |
|                 |                   | テール<br>SOLDER TAIL                                                                              |                                                                                                 |
| ②               | ハウジング<br>HOUSING  | ポリアミド(PA)ガラス入り, UL94V-0, 色: SEE CHART<br>POLYAMIDE(PA) GLASS FILLED, UL94V-0, COLOR : SEE CHART |                                                                                                 |
| DOCUMENT STATUS |                   | P1                                                                                              | RELEASE DATE 2023/07/07 04:35:51                                                                |

| 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:                                                                                                                                                                                        |  |         |          | <div>molex</div> <div>IGRID 2.0 PLUG ASSEMBLY<br/>VERTICAL TIN PLATING</div> |          |          |              |        |
| mm                                                                                                                                            |  | NTS   | <div>EC NO: 755147<br/>DRWN: SNAKAMURA082023/06/27<br/>CHK'D: MARAI2023/07/07<br/>APPR: AIDA2023/07/07</div> <div>INITIAL REVISION:<br/>DRWN: SNAKAMURA082019/05/09<br/>APPR: KOMURAKAMI2019/05/24</div> |  |         |          |                                                                              |          |          |              |        |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |                                                                                                                                                                                                          |  |         |          |                                                                              |          |          |              |        |
| ANGULAR TOL ± 3.0 °                                                                                                                           |  |       |                                                                                                                                                                                                          |  |         |          |                                                                              |          |          |              |        |
| 4 PLACES                                                                                                                                      |  | ± 0.2 |                                                                                                                                                                                                          |  |         |          |                                                                              |          |          |              |        |
| 3 PLACES                                                                                                                                      |  | ± 0.2 |                                                                                                                                                                                                          |  |         |          |                                                                              |          |          |              |        |
| 2 PLACES                                                                                                                                      |  | ± 0.2 | PRODUCT CUSTOMER DRAWING                                                                                                                                                                                 |  |         |          |                                                                              |          |          |              |        |
| 1 PLACE                                                                                                                                       |  | ± 0.2 | DOCUMENT NUMBER                                                                                                                                                                                          |  |         | DOC TYPE | DOC PART                                                                     | REVISION |          |              |        |
| 0 PLACES                                                                                                                                      |  | ± 0.2 | 5016450000-SD                                                                                                                                                                                            |  |         | PSD      | 000                                                                          | F        |          |              |        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       | THIRD ANGLE PROJECTION                                                                                                                                                                                   |  | DRAWING | SERIES   | MATERIAL NUMBER                                                              |          | CUSTOMER | SHEET NUMBER |        |
|                                                                                                                                               |  |       |                                                                                                                                                                                                          |  | A3-SIZE | 501645   | SEE SHEET 3                                                                  |          | GENERAL  |              | 1 OF 3 |
|                                                                                                                                               |  |       |                                                                                                                                                                                                          |  |         |          |                                                                              |          |          |              |        |

|     |    |    |                    |
|-----|----|----|--------------------|
| 9.2 | 38 | 42 | 40                 |
| 9.2 | 36 | 40 | 38                 |
| 9.2 | 34 | 38 | 36                 |
| 9.2 | 32 | 36 | 34                 |
| 9.2 | 30 | 34 | 32                 |
| 9.2 | 28 | 32 | 30                 |
| 9.2 | 26 | 30 | 28                 |
| 9.2 | 24 | 28 | 26                 |
| 9.2 | 22 | 26 | 24                 |
| 9.2 | 20 | 24 | 22                 |
| 9.2 | 18 | 22 | 20                 |
| 9.2 | 16 | 20 | 18                 |
| 9.2 | 14 | 18 | 16                 |
| 9.2 | 12 | 16 | 14                 |
| 9.2 | 10 | 14 | 12                 |
| 7.3 | 8  | 12 | 10                 |
| C   | B  | A  | 極数<br>CIRCUIT SIZE |

NOTES.

- 1

材料及び仕上げ(めっき仕様) : TABLE 1 参照  
MATERIAL AND FINISHES : SEE TABLE 1
- 2

製品仕様書 : PS-501646-001  
PRODUCT SPECIFICATION:PS-501646-001
- 3

嵌合相手:  
MATES WITH:

|                                   |                                           |               |
|-----------------------------------|-------------------------------------------|---------------|
| リセプタクルハウジング<br>RECEPTACLE HOUSING | 501646 SERIES                             |               |
| 圧着端子<br>RECEPTACLE CRIMP TERMINAL | AWG #22-26 錫めっき<br>AWG #22-26 TIN PLATING | 501647 SERIES |
|                                   | AWG #26-28 錫めっき<br>AWG #26-28 TIN PLATING | 501648 SERIES |
- 4

アプリケーション仕様書(コネクタ取扱い説明書) : 5016460000 PS A01  
APPLICATION SPECIFICATION(CONNECTOR MANNUAL): 5016460000 PS A01
- 5

本製品は錫めっき品です。  
THIS PRODUCT IS A TIN PLATING.
- 6

極数/2 = 偶数に適応  
APPLY FOR CIRCUIT SIZE / 2 =EVEN
- 7

ターミナルに錫めっきを使用している為、外観に摺動痕が付く場合があります。  
THE WOUND OF FRICTION MIGHT ADHERE TO EXTERNALS  
BECAUSE THE TIN PLATING IS USED FOR TERMINAL.
- 8

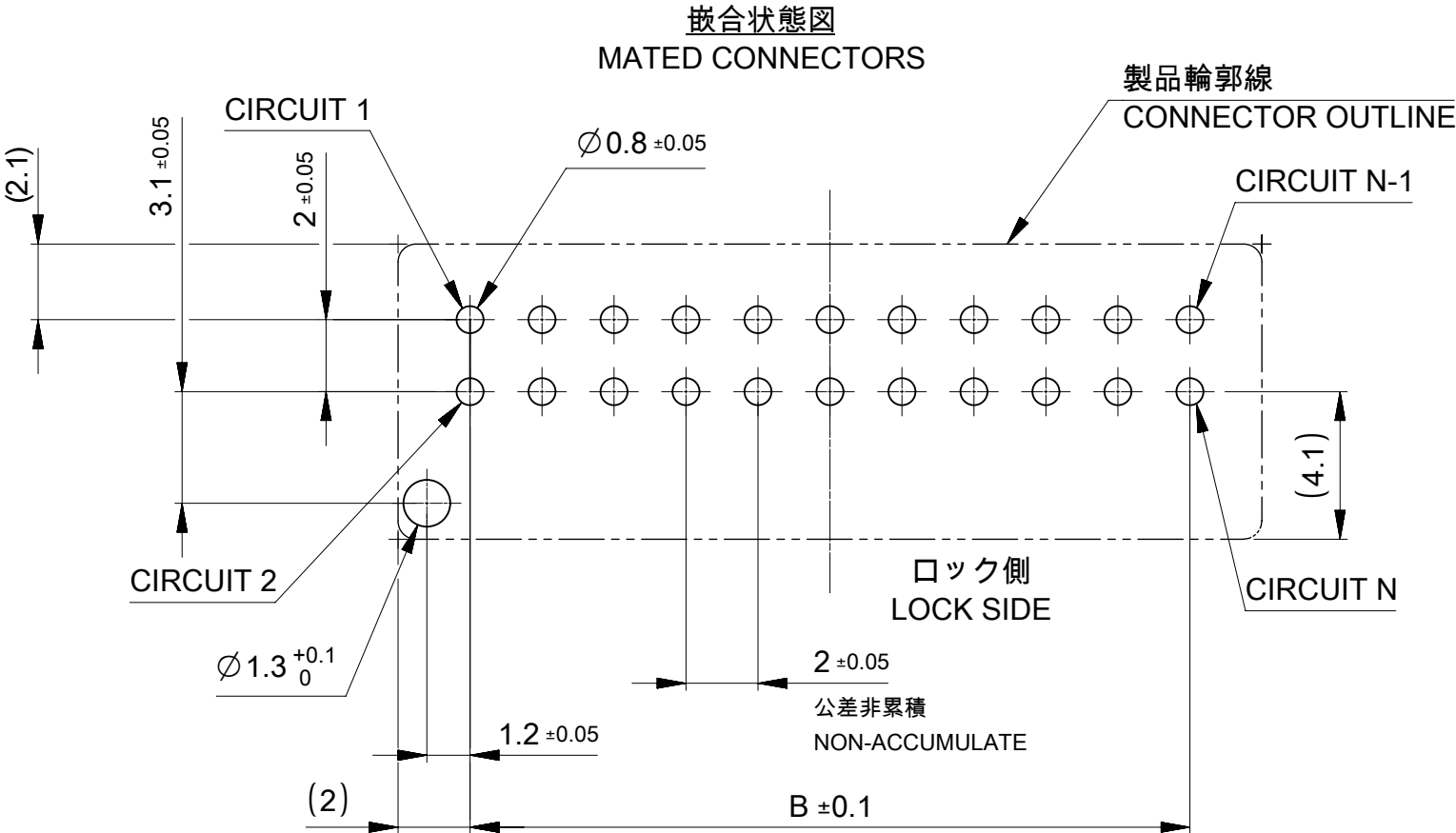
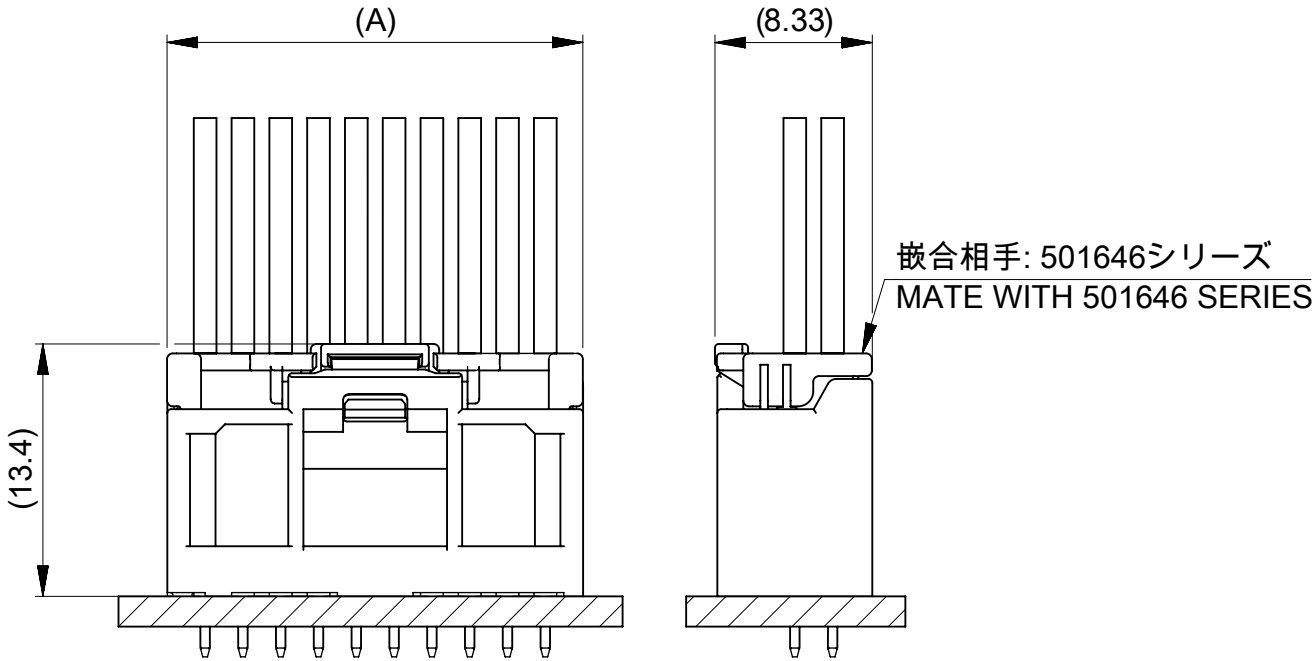
梱包仕様書: SPK-501645-001  
PACKING INFORMATION : SPK-501645-001
- 9

発注番号 : SHEET 3 参照  
ORDER No. : PLEASE REFER TO SHEET 3 FOR PRODUCT LIST

501645 \*\*2\*

極数  
CIRCUIT SIZE

|                              |
|------------------------------|
| ハウジングカラー<br>HOUSING COLOR    |
| 0:ナチュラル NATURAL<br>(白 WHITE) |
| 1:黒 BLACK                    |
| 2:赤 RED                      |
| 4:青 BLUE                     |
| 6:緑 GREEN                    |



基板取付穴推奨寸法(マウント面)  
POLARIZED RECOMMENDED PCB LAYOUT HOLE DIMENSION (MOUNTING SIDE)  
参考基板厚 t=1.2~1.6  
REFERENCE PCB THICKNESS t=1.2~1.6

|                                                                                                                                               |  |       |  |                                                                                                                                                                                       |  |         |  |        |  |                          |  |          |  |              |  |          |  |          |  |          |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|--|--------|--|--------------------------|--|----------|--|--------------|--|----------|--|----------|--|----------|--|
| 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:                                                                                                                                                                     |  |         |  |        |  |                          |  |          |  |              |  |          |  |          |  |          |  |
| mm                                                                                                                                            |  | NTS   |  |                                                                                                                                                                                       |  |         |  |        |  |                          |  |          |  |              |  |          |  |          |  |          |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |  | EC NO: 755147<br>DRWN: SNAKAMURA08 2023/06/27<br>CHK'D: MARAI 2023/07/07<br>APPR: AIDA 2023/07/07<br>INITIAL REVISION:<br>DRWN: SNAKAMURA08 2019/05/09<br>APPR: KOMURAKAMI 2019/05/24 |  |         |  |        |  |                          |  |          |  |              |  |          |  |          |  |          |  |
| 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                                                                                          |  |       |  | THIRD ANGLE PROJECTION                                                                                                                                                                |  | DRAWING |  | SERIES |  | MATERIAL NUMBER          |  | CUSTOMER |  | SHEET NUMBER |  |          |  |          |  |          |  |
|                                                                                                                                               |  |       |  |                                                                                                  |  | A3-SIZE |  | 501645 |  | SEE SHEET 3              |  | GENERAL  |  | 2 OF 3       |  |          |  |          |  |          |  |
| IGRID 2.0 PLUG ASSEMBLY<br>VERTICAL TIN PLATING                                                                                               |  |       |  |                                                                                                                                                                                       |  |         |  |        |  | DOCUMENT NUMBER          |  |          |  |              |  | DOC TYPE |  | DOC PART |  | REVISION |  |
|                                                                                                                                               |  |       |  |                                                                                                                                                                                       |  |         |  |        |  | 5016450000-SD            |  |          |  |              |  | PSD      |  | 000      |  | F        |  |
|                                                                                                                                               |  |       |  |                                                                                                                                                                                       |  |         |  |        |  | PRODUCT CUSTOMER DRAWING |  |          |  |              |  |          |  |          |  |          |  |
|                                                          |  |       |  |                                                                                                                                                                                       |  |         |  |        |  |                          |  |          |  |              |  |          |  |          |  |          |  |
|                                                                                                                                               |  |       |  |                                                                                                                                                                                       |  |         |  |        |  |                          |  |          |  |              |  |          |  |          |  |          |  |

10

9

8

7

6

5

4

3

2

1

F

E

D

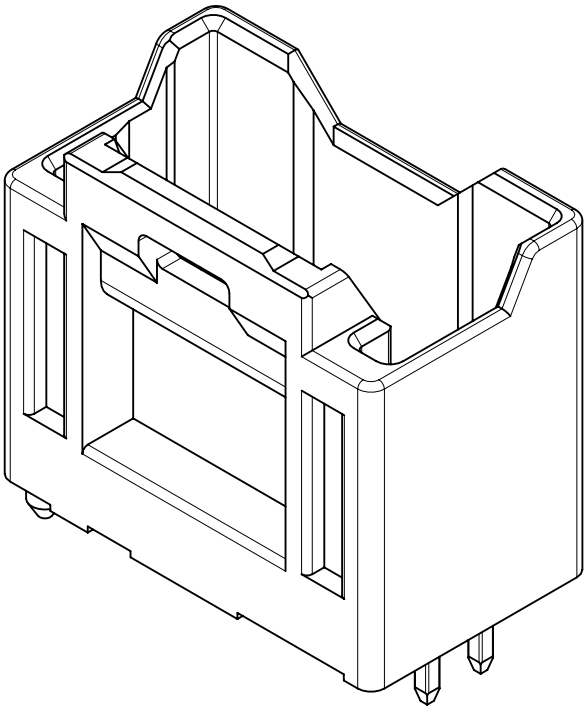
C

B

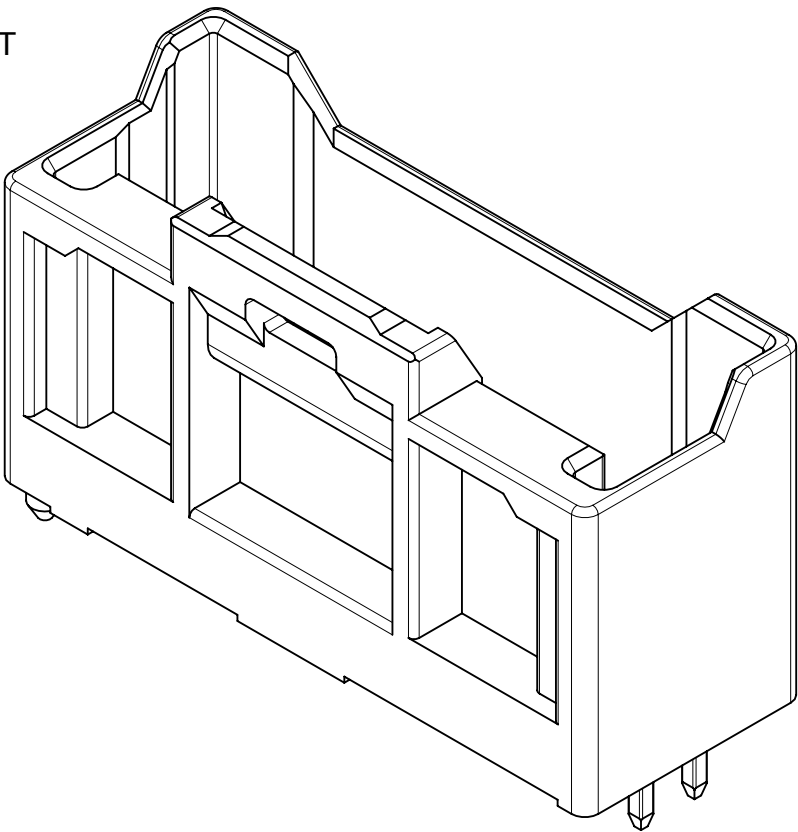
A

製品形状  
PRODUCT SHAPE

10, 12極  
10, 12CIRCUIT



14 - 40 極  
14 - 40 CIRCUIT



△<sub>9</sub> 製品一覧 PRODUCT LIST

| 緑: GREEN    | 青: BULE     | 赤: RED      | 黒 : BLACK   | ナチュラル : NATURAL<br>(白 : WHITE) | HOUSING COLOR |
|-------------|-------------|-------------|-------------|--------------------------------|---------------|
| 501645 4026 | 501645 4024 | 501645 4022 | 501645 4021 | 501645 4020                    | 40            |
| ↑3826       | ↑3824       | ↑3822       | ↑3821       | ↑3820                          | 38            |
| 3626        | 3624        | 3622        | 3621        | 3620                           | 36            |
| 3426        | 3424        | 3422        | 3421        | 3420                           | 34            |
| 3226        | 3224        | 3222        | 3221        | 3220                           | 32            |
| 3026        | 3024        | 3022        | 3021        | 3020                           | 30            |
| 2826        | 2824        | 2822        | 2821        | 2820                           | 28            |
| 2626        | 2624        | 2622        | 2621        | 2620                           | 26            |
| 2426        | 2424        | 2422        | 2421        | 2420                           | 24            |
| 2226        | 2224        | 2222        | 2221        | 2220                           | 22            |
| 2026        | 2024        | 2022        | 2021        | 2020                           | 20            |
| 1826        | 1824        | 1822        | 1821        | 1820                           | 18            |
| 1626        | 1624        | 1622        | 1621        | 1620                           | 16            |
| ↓1426       | ↓1424       | ↓1422       | ↓1421       | ↓1420                          | 14            |
| 1226        | 1224        | 1222        | 1221        | 1220                           | 12            |
| 501645 1026 | 501645 1024 | 501645 1022 | 501645 1021 | 501645 1020                    | 10            |

発注番号 ORDER No.  
PACKAGING STYLE : TRAY

極数  
CIRCUIT SIZE

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| DIMENSION UNITS                                            | SCALE                  | CURRENT REV DESC:                                                                                                                                                                         |        | molex                                           |          |              |          |  |  |
|------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------|----------|--------------|----------|--|--|
| mm                                                         | NTS                    | EC NO: 755147<br>DRWN: SNAKAMURA08 2023/06/27<br>CHK'D: MARAI 2023/07/07<br>APPR: AIDA 2023/07/07<br><br>INITIAL REVISION:<br>DRWN: SNAKAMURA08 2019/05/09<br>APPR: KOMURAKAMI 2019/05/24 |        | IGRID 2.0 PLUG ASSEMBLY<br>VERTICAL TIN PLATING |          |              |          |  |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                        |                                                                                                                                                                                           |        | PRODUCT CUSTOMER DRAWING                        |          |              |          |  |  |
| ANGULAR TOL ± 3.0 °                                        | DOCUMENT NUMBER        |                                                                                                                                                                                           |        |                                                 | DOC TYPE | DOC PART     | REVISION |  |  |
| 4 PLACES ± 0.2                                             | 5016450000-SD          |                                                                                                                                                                                           |        | PSD                                             | 000      | F            |          |  |  |
| 3 PLACES ± 0.2                                             | SEE CHART              |                                                                                                                                                                                           |        | GENERAL                                         |          | 3 OF 3       |          |  |  |
| 2 PLACES ± 0.2                                             |                        |                                                                                                                                                                                           |        |                                                 |          |              |          |  |  |
| 1 PLACE ± 0.2                                              |                        |                                                                                                                                                                                           |        |                                                 |          |              |          |  |  |
| 0 PLACES ± 0.2                                             |                        |                                                                                                                                                                                           |        |                                                 |          |              |          |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRAWING                                                                                                                                                                                   | SERIES | MATERIAL NUMBER                                 | CUSTOMER | SHEET NUMBER |          |  |  |
|                                                            |                        | A3-SIZE                                                                                                                                                                                   | 501645 | SEE CHART                                       | GENERAL  | 3 OF 3       |          |  |  |