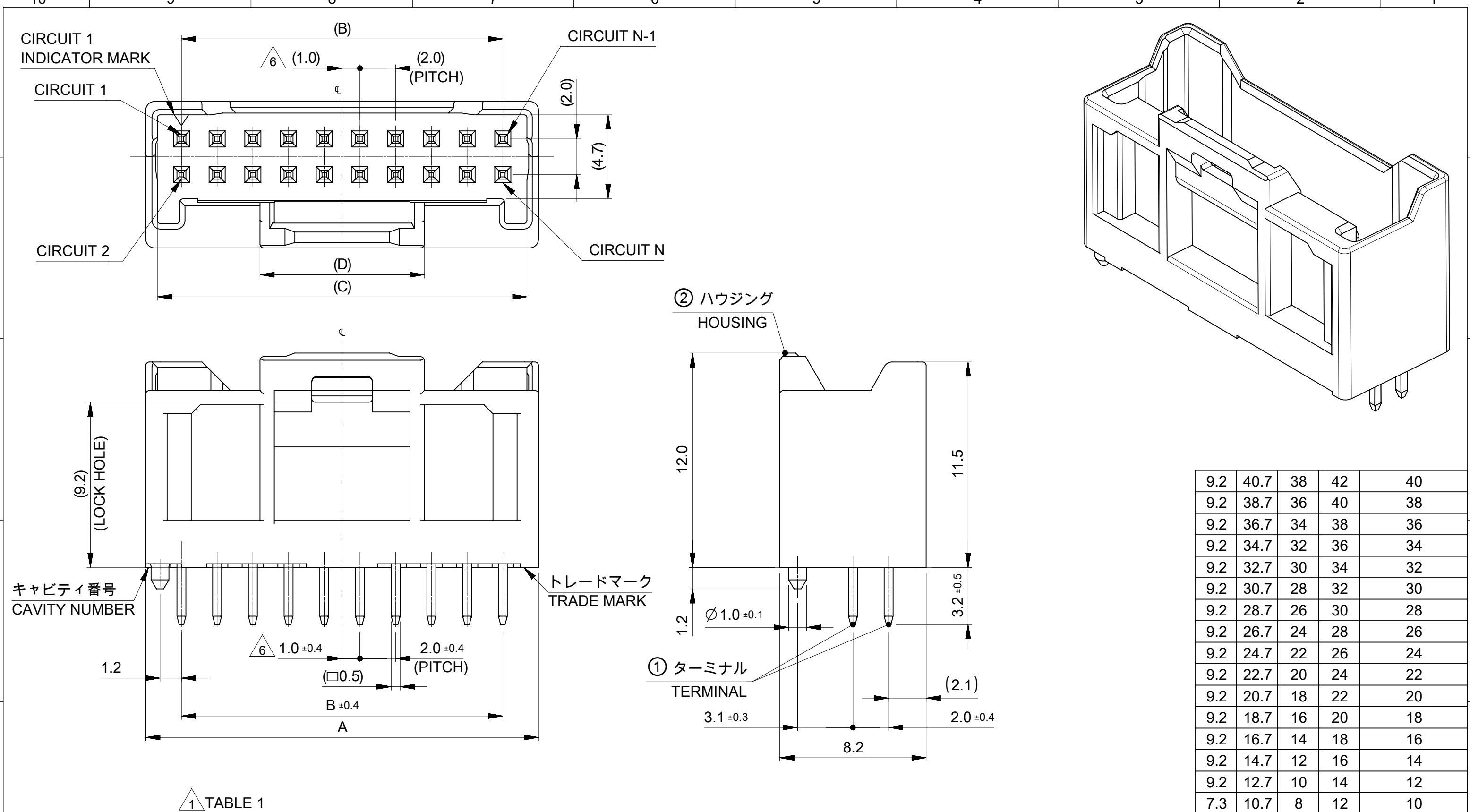




| 番号<br>No.       | 部品<br>PART        | 材質<br>MATERIAL                                                                                  |                                                                   |            |          |  |
|-----------------|-------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------|----------|--|
| ①               | ターミナル<br>TERMINAL | 母材<br>BASE MATERIAL                                                                             | 黄銅, BRASS                                                         |            |          |  |
|                 |                   | 下地めっき<br>UNDER PLATING                                                                          | ニッケルめっき 1.0 MICRO-METER MIN<br>NICKEL PLATING 1.0 MICRO-METER MIN |            |          |  |
|                 |                   | コンタクト<br>CONTACT                                                                                | 金めっき 0.1 MICRO-METER MIN<br>GOLD PLATING 0.1 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 | 04:35:53 |  |

| 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   |  | <div><div>molex</div><div>IGRID 2.0 PLUG ASSEMBLY<br/>VERTICAL GOLD PLATING</div><div>PRODUCT CUSTOMER DRAWING</div><div><div>DOCUMENT NUMBER</div><div>5030910000-SD</div><div>DOC TYPE</div><div>PSD</div><div>DOC PART</div><div>000</div><div>REVISION</div><div>E</div></div><div><div>MATERIAL NUMBER</div><div>SEE SHEET3</div><div>CUSTOMER</div><div>GENERAL</div><div>SHEET NUMBER</div><div>1 OF 3</div></div></div> |  |         |  |        |  |                   |  |            |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |  |        |  |                   |  |            |  |
| ANGULAR TOL ± 3.0 °                                                                                                                           |  |       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |  |        |  |                   |  |            |  |
| 4 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |  |        |  | EC NO: 755147     |  | 2023/06/27 |  |
| 3 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |  |        |  | DRWN: SNAKAMURA08 |  | 2023/07/07 |  |
| 2 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |  |        |  | CHK'D: MARAI      |  | 2023/07/07 |  |
| 1 PLACE                                                                                                                                       |  | ± 0.2 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |  |        |  | APPR: AIDA        |  | 2023/07/07 |  |
| 0 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |  |        |  | INITIAL REVISION: |  |            |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | THIRD ANGLE PROJECTION                                                                                                                                                                                                                                                                                                                                                                                                          |  | DRAWING |  | SERIES |  |                   |  |            |  |
|                                                                                                                                               |  |       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | A3-SIZE |  | 503091 |  |                   |  |            |  |
|                                                                                                                                               |  |       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         |  |        |  |                   |  |            |  |

NOTES.

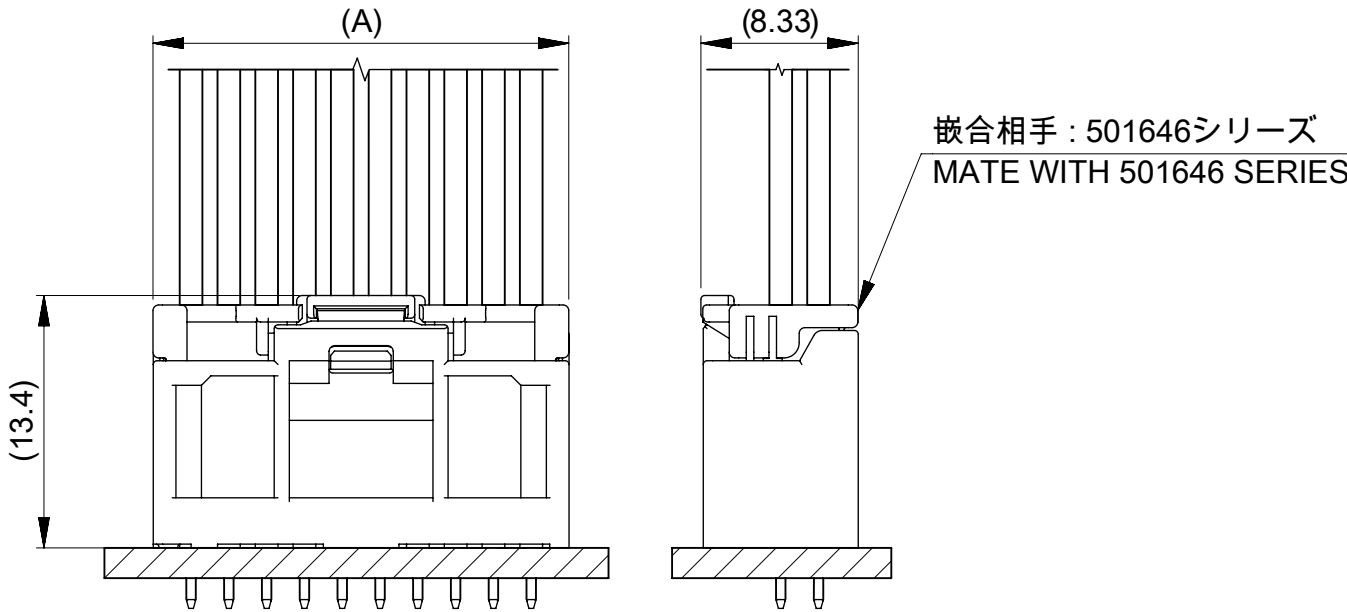
- 1
- 材料及び仕上げ(めっき仕様) : TABLE 1 参照  
MATERIAL AND FINISHES : SEE TABLE 1
2. 製品仕様書 : 5016460000-PS 000 / 5016461000-PS 000  
PRODUCT SPECIFICATION:5016460000-PS 000 / 5016461000-PS 000
3. 嵌合相手:  
MATES WITH:

|                                   |                                            |             |
|-----------------------------------|--------------------------------------------|-------------|
| 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 #22-24 金めっき<br>AWG #22-24 GOLD PLATING | 503095 2201 |
|                                   | AWG #26-28 金めっき<br>AWG #26-28 GOLD PLATING | 503095 2200 |

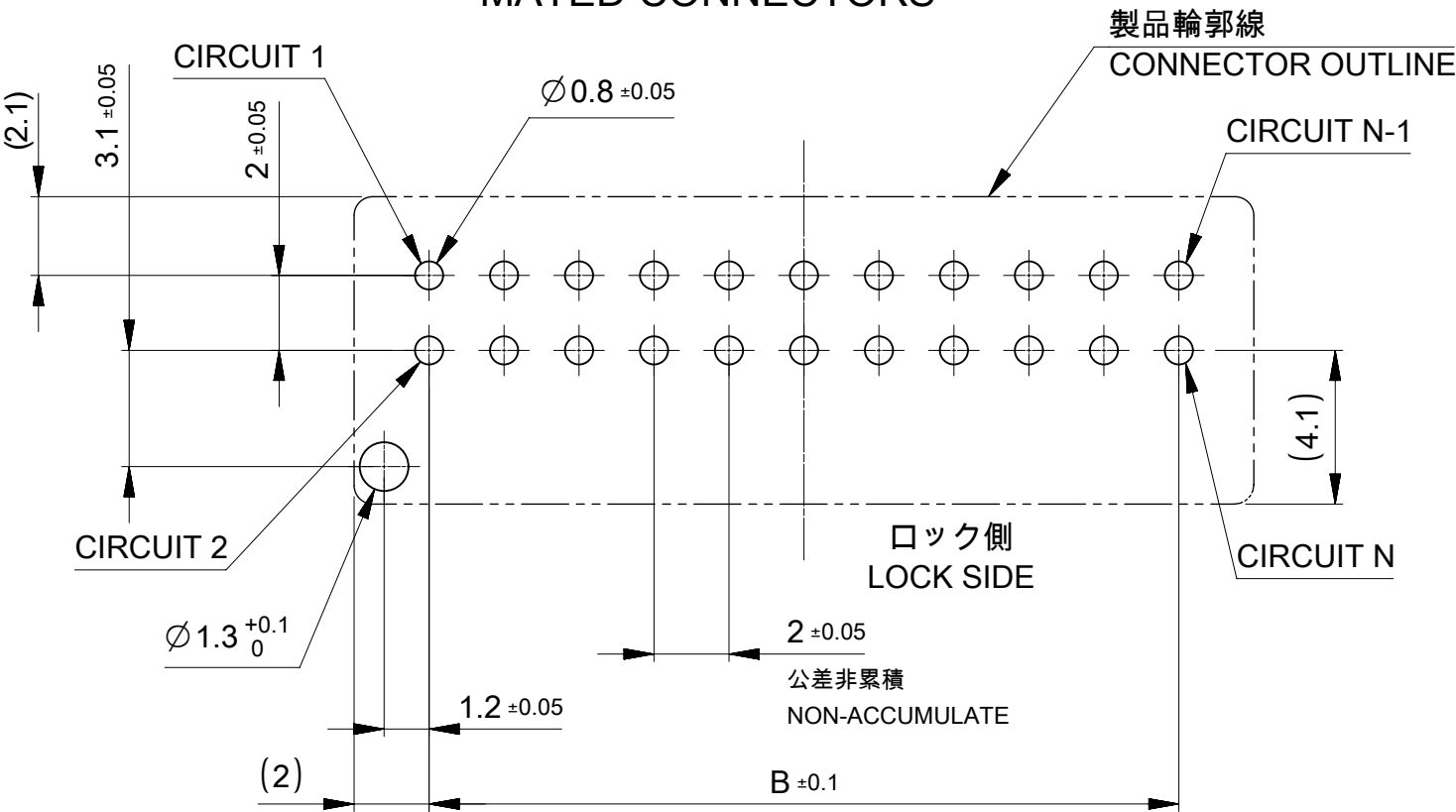
4. アプリケーション仕様書(コネクタ取扱い説明書) : 5016460000 PS A01  
APPLICATION SPECIFICATION(CONNECTOR MANNUAL): 5016460000 PS A01
5. 本製品は金めっき品です。  
THIS PRODUCT IS A GOLD PLATING.
- 6 極数/2 = 偶数に適応  
APPLY FOR CIRCUIT SIZE / 2 =EVEN
7. 梱包仕様書: 5030919200-SPK 200  
PACKING INFORMATION : 5030919200-SPK 200
- 8 発注番号 : SHEET 3 参照  
ORDER No. : PLEASE REFER TO SHEET 3 FOR PRODUCT LIST

503091    \*\* 2 \*

|                    |                              |
|--------------------|------------------------------|
| 極数<br>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                    |



嵌合状態図  
MATED CONNECTORS



基板取付穴推奨寸法(マウント面)

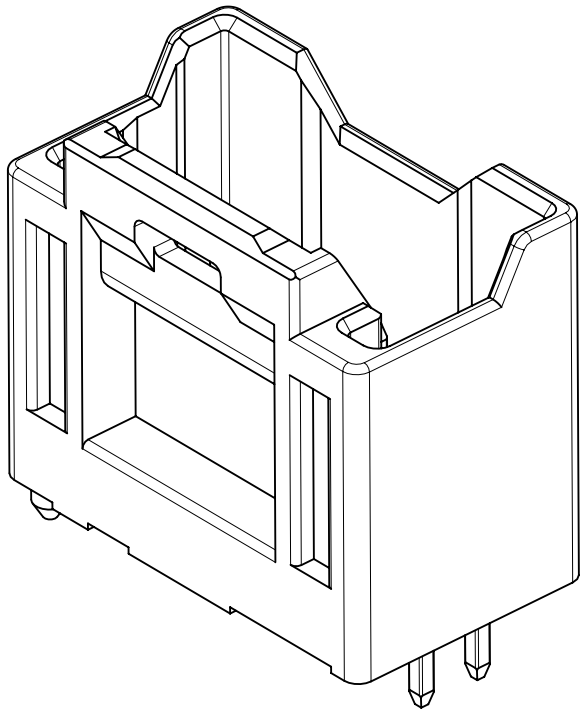
POLARIZED RECOMMENDED PCB LAYOUT HOLE DIMENSION (MOUNTING SIDE)

参考基板厚 t=1.2~1.6

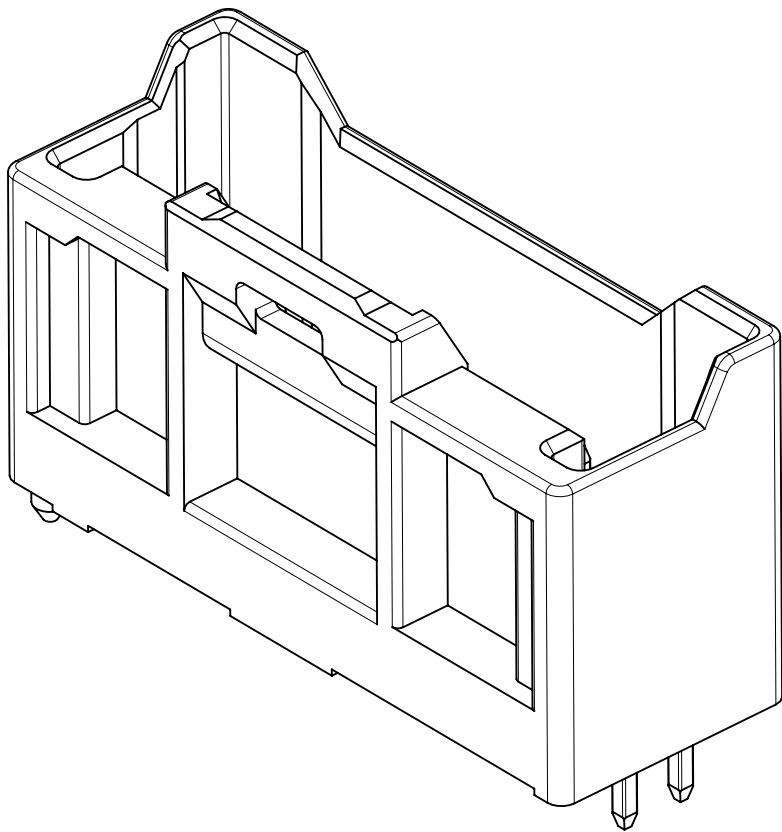
REFERENCE PCB THICKNESS t=1.2~1.6

|                                                                                                                                               |  |       |  |                                                              |  |         |  |                  |  |                                                                                                   |  |          |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|--------------------------------------------------------------|--|---------|--|------------------|--|---------------------------------------------------------------------------------------------------|--|----------|--|--------------|--|
| 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:                                            |  |         |  | <div>molex</div> |  |                                                                                                   |  |          |  |              |  |
| mm                                                                                                                                            |  | NTS   |  |                                                              |  |         |  |                  |  |                                                                                                   |  |          |  |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |  | <div>IGRID 2.0 PLUG ASSEMBLY<br/>VERTICAL GOLD PLATING</div> |  |         |  |                  |  |                                                                                                   |  |          |  |              |  |
| ANGULAR TOL ± 3.0 °                                                                                                                           |  |       |  |                                                              |  |         |  |                  |  |                                                                                                   |  |          |  |              |  |
| 4 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                              |  |         |  |                  |  | EC NO: 755147<br>DRWN: SNAKAMURA08 2023/06/27<br>CHK'D: MARAI 2023/07/07<br>APPR: AIDA 2023/07/07 |  |          |  |              |  |
| 3 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                              |  |         |  |                  |  |                                                                                                   |  |          |  |              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                              |  |         |  |                  |  |                                                                                                   |  |          |  |              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.2 |  | PRODUCT CUSTOMER DRAWING                                     |  |         |  |                  |  |                                                                                                   |  |          |  |              |  |
| 0 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                              |  |         |  |                  |  |                                                                                                   |  |          |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | INITIAL REVISION:                                            |  |         |  | DOCUMENT NUMBER  |  | DOC TYPE                                                                                          |  | DOC PART |  | REVISION     |  |
|                                                                                                                                               |  |       |  | DRWN: SNAKAMURA08 2018/03/15<br>APPR: TKANEKO 2018/03/30     |  |         |  | 5030910000-SD    |  | PSD                                                                                               |  | 000      |  | E            |  |
|                                                                                                                                               |  |       |  | THIRD ANGLE PROJECTION                                       |  | DRAWING |  | SERIES           |  | MATERIAL NUMBER                                                                                   |  | CUSTOMER |  | SHEET NUMBER |  |
|                                                                                                                                               |  |       |  |                                                              |  | A3-SIZE |  | 503091           |  | SEE SHEET3                                                                                        |  | GENERAL  |  | 2 OF 3       |  |

各極数毎の製品形状  
PRODUCT SHAPE AT EACH CIRCUIT



10 ~ 12極形状  
VIEW OF 10~12 CIRCUIT



14 ~ 40極形状  
VIEW OF 14~40 CIRCUIT

△ 8 製品一覧 PRODUCT LIST

| 黒 : BLACK              | ナチュラル : NATURAL<br>(白 : WHITE) | 色<br>COLOR         |
|------------------------|--------------------------------|--------------------|
| 503091 4021            | 503091 4020                    | 40                 |
| ▲ 3821                 | ▲ 3820                         | 38                 |
| 3621                   | 3620                           | 36                 |
| 3421                   | 3420                           | 34                 |
| 3221                   | 3220                           | 32                 |
| 3021                   | 3020                           | 30                 |
| 2821                   | 2820                           | 28                 |
| 2621                   | 2620                           | 26                 |
| 2421                   | 2420                           | 24                 |
| 2221                   | 2220                           | 22                 |
| 2021                   | 2020                           | 20                 |
| 1821                   | 1820                           | 18                 |
| 1621                   | 1620                           | 16                 |
| 1421                   | 1420                           | 14                 |
| ▼ 1221                 | ▼ 1220                         | 12                 |
| 503091 1021            | 503091 1020                    | 10                 |
| 発注番号 ORDER No.         |                                | 極数<br>CIRCUIT SIZE |
| PACKAGING STYLE : TRAY |                                |                    |

|                                                                                                                                               |  |                                                                                       |               |                              |  |        |                                                  |                 |  |          |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|---------------|------------------------------|--|--------|--------------------------------------------------|-----------------|--|----------|------------------------------|
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| DIMENSION UNITS                                                                                                                               |  | SCALE                                                                                 |               | CURRENT REV DESC:            |  |        | <b>molex</b>                                     |                 |  |          |                              |
| mm                                                                                                                                            |  | NTS                                                                                   |               |                              |  |        |                                                  |                 |  |          |                              |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |                                                                                       |               |                              |  |        | IGRID 2.0 PLUG ASSEMBLY<br>VERTICAL GOLD PLATING |                 |  |          |                              |
| ANGULAR TOL ± 3.0 °                                                                                                                           |  |                                                                                       |               |                              |  |        |                                                  |                 |  |          |                              |
| 4 PLACES                                                                                                                                      |  | ± 0.2                                                                                 |               | EC NO: 755147                |  |        | PRODUCT CUSTOMER DRAWING                         |                 |  |          |                              |
| 3 PLACES                                                                                                                                      |  | ± 0.2                                                                                 |               | DRWN: SNAKAMURA08 2023/06/27 |  |        |                                                  |                 |  |          |                              |
| 2 PLACES                                                                                                                                      |  | ± 0.2                                                                                 |               | CHK'D: MARAI 2023/07/07      |  |        |                                                  |                 |  |          |                              |
| 1 PLACE                                                                                                                                       |  | ± 0.2                                                                                 |               | APPR: AIDA 2023/07/07        |  |        | DOCUMENT NUMBER                                  |                 |  |          |                              |
| 0 PLACES                                                                                                                                      |  | ± 0.2                                                                                 |               | INITIAL REVISION:            |  |        |                                                  |                 |  | DOC TYPE |                              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | THIRD ANGLE PROJECTION                                                                |               | DRAWING                      |  | SERIES |                                                  | DOC PART        |  |          |                              |
|                                                                                                                                               |  |                                                                                       |               |                              |  |        |                                                  |                 |  |          | DRWN: SNAKAMURA08 2018/03/15 |
| APPR: TKANEKO 2018/03/30                                                                                                                      |  |                                                                                       | 5030910000-SD |                              |  | PSD    |                                                  |                 |  |          |                              |
|                                                          |  |  |               | A3-SIZE                      |  | 503091 |                                                  | MATERIAL NUMBER |  | CUSTOMER |                              |
|                                                                                                                                               |  |                                                                                       |               |                              |  |        |                                                  |                 |  |          |                              |
| SHEET NUMBER                                                                                                                                  |  | 3 OF 3                                                                                |               |                              |  |        |                                                  |                 |  |          |                              |