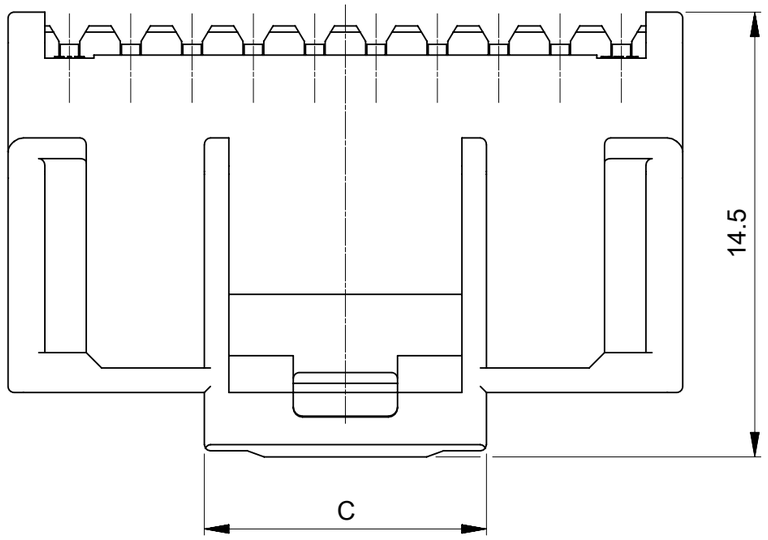
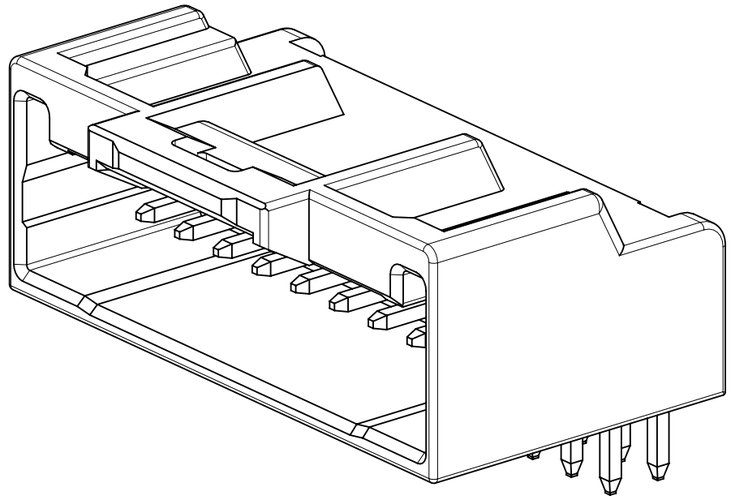
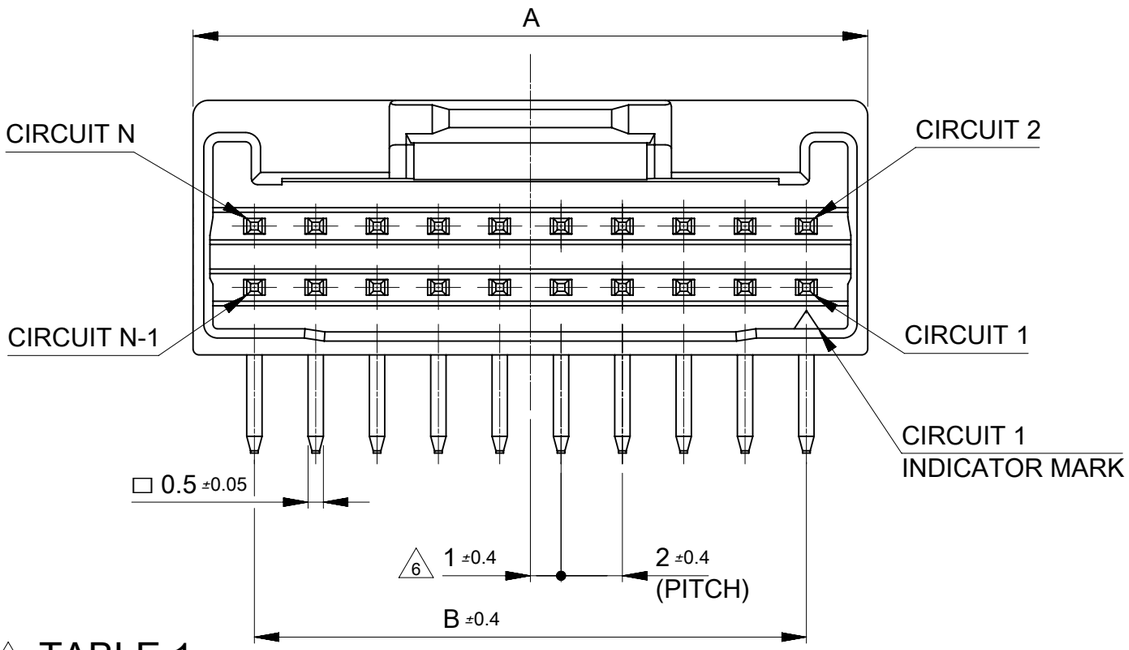
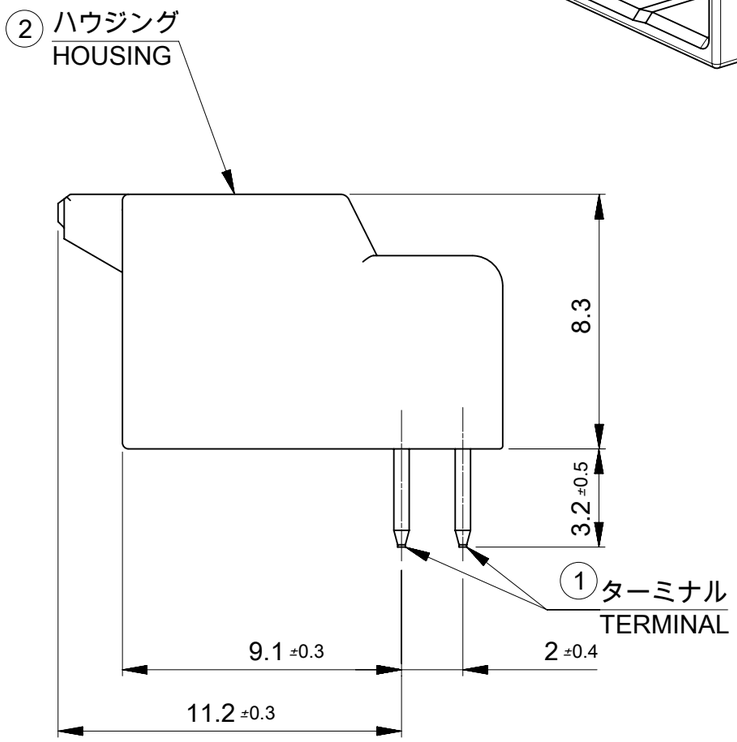





| 9.2 | 38 | 42 | 40 |
|---|---|---|---|
| 9.2 | 36 | 40 | 38 |
| 9.2 | 34 | 38 | 36 |
| 9.2 | 32 | 36 | 34 |
| 9.2 | 30 | 34 | 32 |
| 9.2 | 28 | 32 | 30 |
| 9.2 | 26 | 30 | 28 |
| 9.2 | 24 | 28 | 26 |
| 9.2 | 22 | 26 | 24 |
| 9.2 | 20 | 24 | 22 |
| 9.2 | 18 | 22 | 20 |
| 9.2 | 16 | 20 | 18 |
| 9.2 | 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 |

## △1 TABLE 1

| 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 | ニッケルめっき 1 micro-meter MIN<br>NICKEL PLATING 1 micro-meter MIN |
| | | コンタクト<br>CONTACT | 金めっき 0.1/0.38/0.76 micro-meters MIN<br>GOLD PLATING 0.1/0.38/0.76 micro-meters MIN |
| | | テール<br>SOLDER TAIL | 無光沢錫めっき 1 micro-meter MIN<br>MATTE TIN PLATING 1 micro-meter MIN |
| 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 | 2024/11/19 08:37:21

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 | ± | 3.0 ° |
| 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#5154356.

EC NO: 803783
DRWN: RAVINR1 2024/11/04
CHK'D: GGA 2024/11/19
APPR: GGA 2024/11/19

INITIAL REVISION:
DRWN: SNAKAMURA08 2019/10/08
APPR: KOMURAKAMI 2020/03/18

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 208659

molex

IGRID 2.0 WIRE TO BOARD
RIGHT ANGLE TH PLUG ASSEMBLY GOLD PLATING

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 2086590000-SD | PSD | 000 | B1 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE CHART | GENERAL | 1 OF 4 |

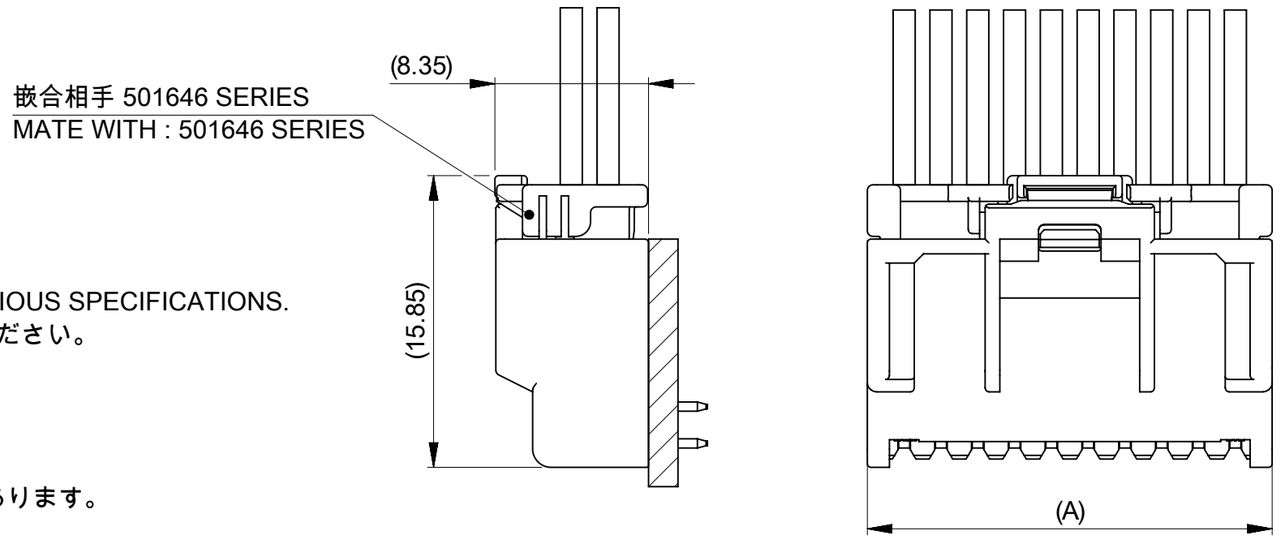
FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01

## 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. 適用製品及び各種仕様書はSHEET 3を御参照ください。
   PLEASE REFER TO SHEET 3 ABOUT APPLICABLE PRODUCTS AND VARIOUS SPECIFICATIONS.
3. 本製品は金めっき品です。錫めっき品は5018760000-SD/PSD/000を御参照ください。
   THIS PRODUCT IS A GOLD PLATING. FOR TIN PLATING PRODUCT,
   PLEASE REFER TO 5018760000-SD/PSD/000.
4. 極数/2 = 偶数に適用
   APPLY FOR CIRCUIT SIZE / 2 =EVEN
5. ソルダーテール部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 IN SOLDER-TAIL PART.
6. 発注番号 : SHEET 4 参照
   ORDER No. : PLEASE REFER TO SHEET 4 FOR PRODUCT LIST

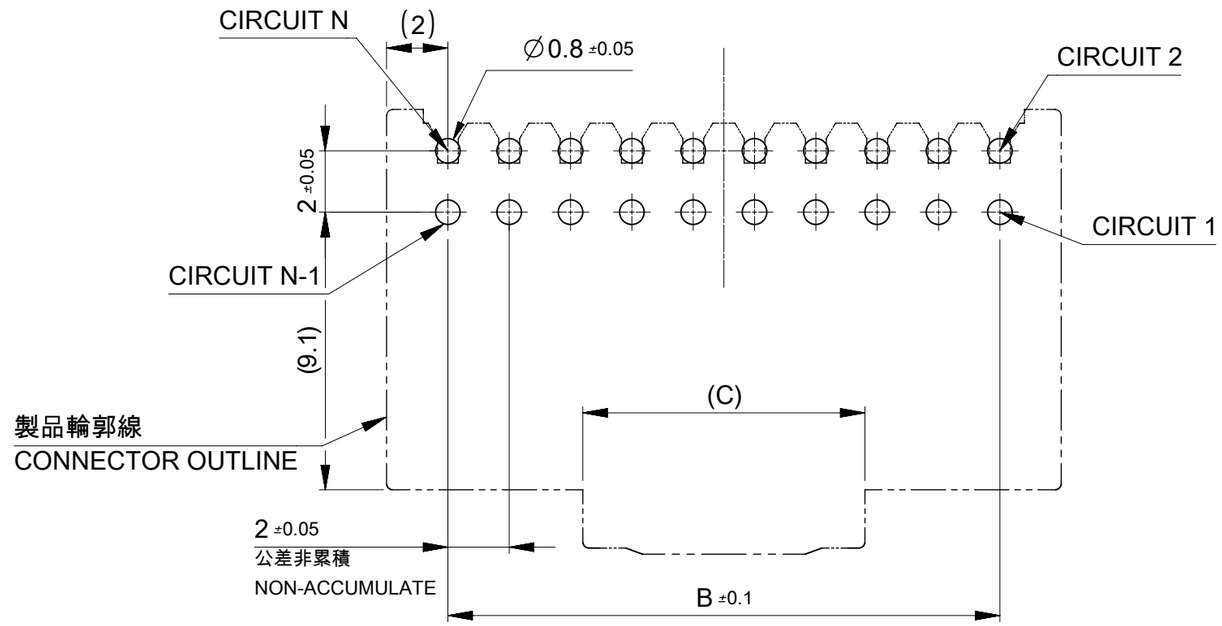
208659 ****

| | |
|---|---|
| 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 | |
| 金めっき厚<br>GOLD PLATING THICKNESS | |
| 4 : 0.1 micro-meters MIN | |
| 6 : 0.38 micro-meters MIN | |
| 7 : 0.76 micro-meters MIN | |




嵌合相手 501646 SERIES
MATE WITH : 501646 SERIES

嵌合図
MATED CONNECTORS




基板取付穴推奨寸法(マウント面 )
RECOMMENDED PCB HOLE DIMENSION (MOUNTING SIDE)
参考基板厚 t=1.2~1.6
REFERANCE 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: mm | SCALE: NTS | CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#5154356. | molex |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | IGRID 2.0 WIRE TO BOARD<br>RIGHT ANGLE TH PLUG ASSEMBLY GOLD PLATING |
| ANGULAR TOL ± 3.0 ° | | EC NO: 803783 | PRODUCT CUSTOMER DRAWING |
| 4 PLACES ± 0.2 | | DRWN: RAVINR1 2024/11/04 | DOCUMENT NUMBER: 2086590000-SD; DOC TYPE: PSD; DOC PART: 000; REVISION: B1 |
| 3 PLACES ± 0.2 | | CHK'D: GGA 2024/11/19 | |
| 2 PLACES ± 0.2 | | APPR: GGA 2024/11/19 | |
| 1 PLACE ± 0.2 | | INITIAL REVISION: | |
| 0 PLACES ± 0.2 | | DRWN: SNAKAMURA08 2019/10/08 | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | APPR: KOMURAKAMI 2020/03/18 | THIRD ANGLE PROJECTION; DRAWING: A3-SIZE; SERIES: 208659; MATERIAL NUMBER: SEE CHART; CUSTOMER: GENERAL; SHEET NUMBER: 2 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/11/19 08:37:21 |
|---|---|---|---|

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

# △3 適用製品及び各種仕様書
APPLICABLE PRODUCTS AND VARIOUS SPECIFICATIONS

| | PART NUMBER | DOCUMENT NUMBER |
|---|---|---|
| 梱包仕様書<br>PACKAGING SPECIFICATION | 208659 **** | 2086599200-SPK PS 200 |

| | | |
|---|---|---|
| 適用嵌合相手<br>MATE WITH | HOUSING | TERMINAL (GOLD PLATING)<br>#22-28 |
| シリーズ番号<br>SERIES NUMBER | 501646 SERIES | 503095 SERIES |
| 製品仕様書<br>PRODUCT SPECIFICATION | 5016460000-PS PS 000 | |
| アプリケーション仕様書<br>APPLICATION SPECIFICATION | 5016460000 PS A00 | |

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#5154356.

EC NO: 803783
DRWN: RAVINR1 2024/11/04
CHK'D: GGA 2024/11/19
APPR: GGA 2024/11/19

INITIAL REVISION:
DRWN: SNAKAMURA08 2019/10/08
APPR: KOMURAKAMI 2020/03/18

molex

IGRID 2.0 WIRE TO BOARD
RIGHT ANGLE TH PLUG ASSEMBLY GOLD PLATING

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 2086590000-SD | PSD | 000 | B1 |

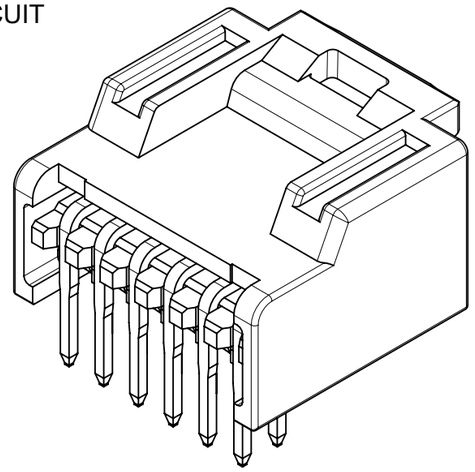
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 208659 | SEE CHART | GENERAL | 3 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/11/19 08:37:21 |
|---|---|---|---|

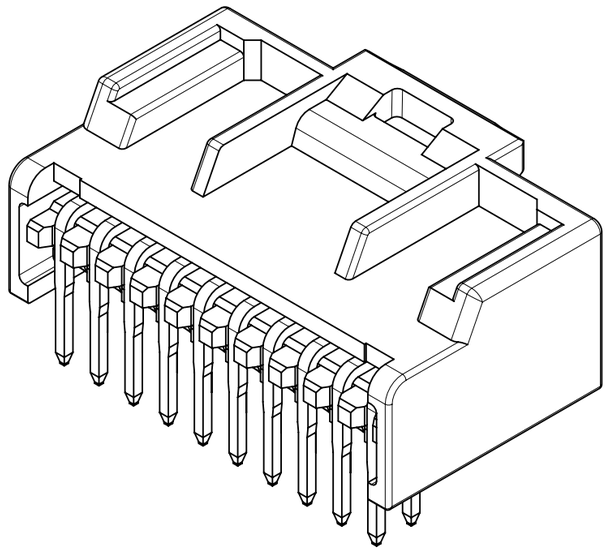
FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

## 製品形状
## PRODUCT SHAPE

10, 12 極
10, 12 CIRCUIT



14 - 40 極
14 - 40 CIRCUIT



## 製品一覧 PRODUCT LIST

| 0.1 micro-meters MIN | | | | 接点部金めっき厚 GOLD PLATING THICKNESS ON CONTACT AREA |
|---|---|---|---|---|
| 黒 : BLACK | | ナチュラル : NATURAL (白 : WHITE) | | HOUSING COLOR |
| 208659 | 4041 | 208659 | 4040 | 40 |
| ↑ | 3841 | ↑ | 3840 | 38 |
| | 3641 | | 3640 | 36 |
| | 3441 | | 3440 | 34 |
| | 3241 | | 3240 | 32 |
| | 3041 | | 3040 | 30 |
| | 2841 | | 2840 | 28 |
| | 2641 | | 2640 | 26 |
| | 2441 | | 2440 | 24 |
| | 2241 | | 2240 | 22 |
| | 2041 | | 2040 | 20 |
| | 1841 | | 1840 | 18 |
| | 1641 | | 1640 | 16 |
| | 1441 | | 1440 | 14 |
| ↓ | 1241 | ↓ | 1240 | 12 |
| 208659 | 1041 | 208659 | 1040 | 10 |
| 発注番号 ORDER No. | | | | 極数 |
| PACKAGING STYLE : TRAY | | | | 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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#5154356.

EC NO: 803783
DRWN: RAVINR1 2024/11/04
CHK'D: GGA 2024/11/19
APPR: GGA 2024/11/19

INITIAL REVISION:
DRWN: SNAKAMURA08 2019/10/08
APPR: KOMURAKAMI 2020/03/18

molex

IGRID 2.0 WIRE TO BOARD
RIGHT ANGLE TH PLUG ASSEMBLY GOLD PLATING

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 2086590000-SD | PSD | 000 | B1 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 208659 | SEE CHART | GENERAL | 4 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/11/19 08:37:21 |
|---|---|---|---|

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