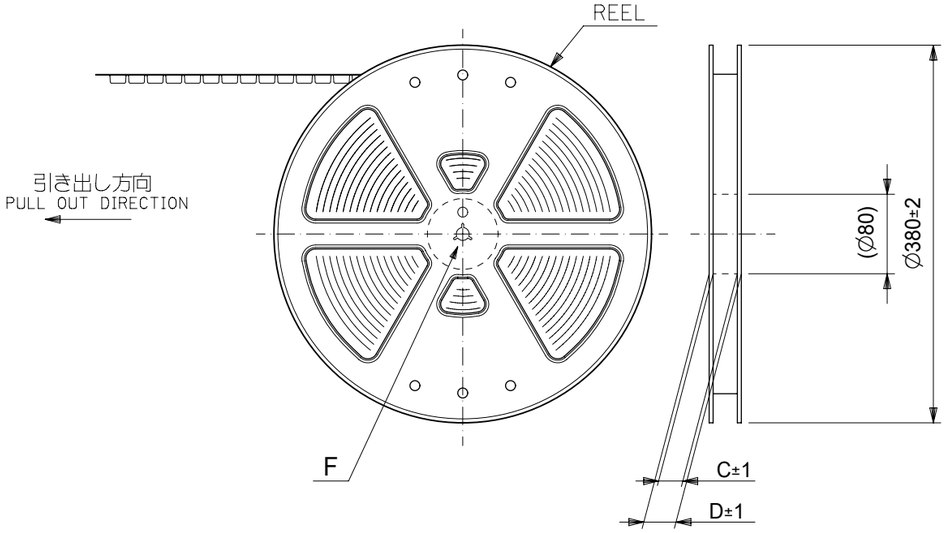
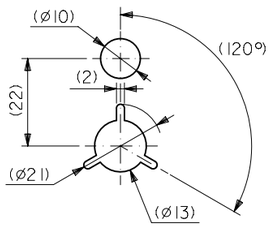
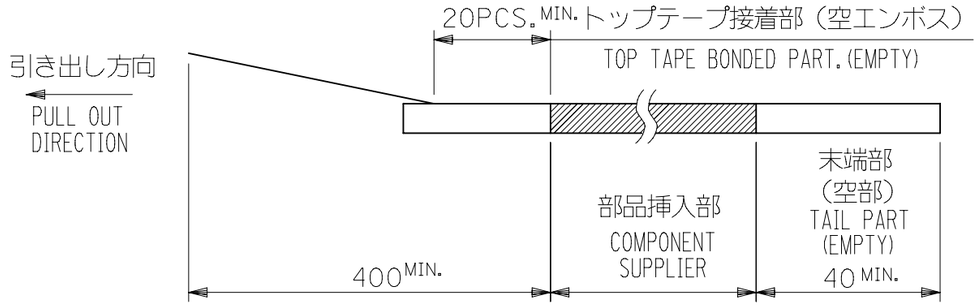


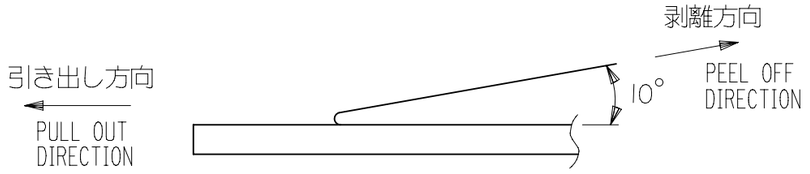

DETAIL F

NOTES

1. 梱包数量：１０００個／リール
   NUMBER OF CONNECTORS : 1000PCS/REEL
2. リードテープ長さ LEAD TAPE LENGTH




3. トップテープの剥離強度： 0.1 ~ 1.3N {10gf ~ 130gf}（剥離方向は下図参照）
   尚、本規格値は出荷時に適用。（但し、輸送時に剥離が発生しないこと。）
   PEELING OFF FORCE OF TOP TAPE : 0.1 ~ 1.3N {10gf ~ 130gf}
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
   THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
   PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.




4. 52610-**16のアクチュエータはハウジング内に押し下げた状態とする。
   詳細寸法については **製品単体図面** を参照下さい。
   ACTUATOR OF PART NO. 52610-**16 SHULD BE LOCKED.
   RE DETAILED DIMENSIONS , SEE SALES DRAWING FOR CONNECTOR.
5. 材料(MATERIAL)
   キャリアテープ(CARRIER TAPE)：ポリプロピレン(POLYPROPYLENE)
   トップテープ(TOPTAPE)：PET , PE , PEF
   リール(REEL)：ポリスチレン（ＰＳ）<リサイクル材を含む>
   POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>
6. 本製品は 52610-**90 の鉛フリー品です
7. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
   THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| 10UNDER | ±0.2 |
| 10OVER 30UNDER | ±0.25 |
| 30OVER | ±0.3 |
| ANGULAR | ±3 ° |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/09/05 05:51:54 |
|---|---|---|---|

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

52610-**71 MODEL NO.

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 ± | ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± |
| 1 PLACE | ± |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 719890
DRWN: DGONDO 2022/09/01
CHK'D: SMARUYAMA 2022/09/05
APPR: YNAITO 2022/09/05

INITIAL REVISION:
DRWN: NAIDA 2005/08/08
APPR: NUKITA 2005/08/22

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52610

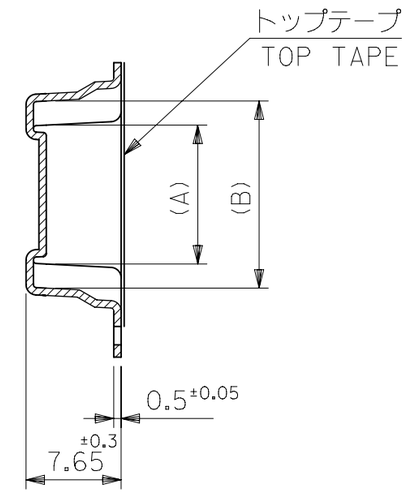
molex

1.0 FPC CONN SMT
ZIF EMBSTP PKG -LEAD FREE-

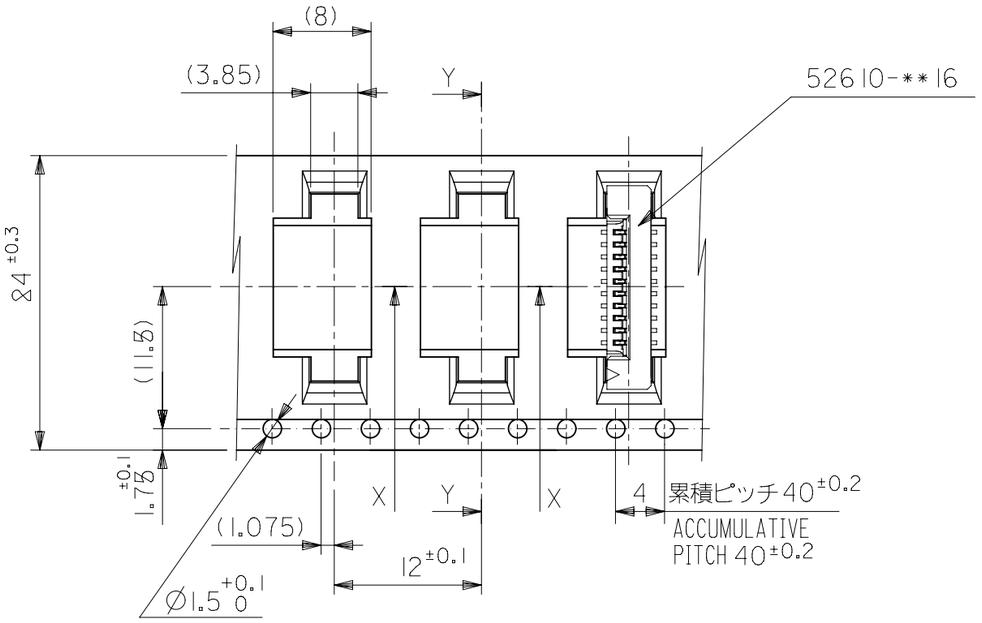
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-52610-038 | PSD | 001 | D |

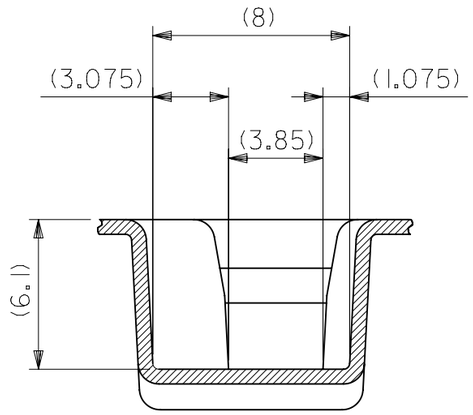
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 1 OF 5 |




SECT:Y-Y




引き出し方向
PULL OUT DIRECTION




SECT:X-X
(SCALE 4:1)

| | | | | | | |
|---|---|---|---|---|---|---|
| 24 | 29.4 | 25.4 | 15.25 | 11.32 | 52610-1071 | 10 |
| | | | 14.25 | 10.32 | 52610-0971 | 9 |
| | | | 13.25 | 9.32 | 52610-0871 | 8 |
| | | | 12.25 | 8.32 | 52610-0771 | 7 |
| | | | 11.25 | 7.32 | 52610-0671 | 6 |
| | | | 10.25 | 6.32 | 52610-0571 | 5 |
| キャリアテープ幅 CARRIER TAPE WIDTH | D | C | (B) | (A) | MATERIAL NO. | 極数 CKT。 |

52610-**71 MODEL NO.

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR | ±3 ° |

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 ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 719890
DRWN: DGONDO 2022/09/01
CHK'D: SMARUYAMA 2022/09/05
APPR: YNAITO 2022/09/05

INITIAL REVISION:
DRWN: NAIDA 2005/08/08
APPR: NUKITA 2005/08/22

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52610

molex

1.0 FPC CONN SMT
ZIF EMBSTP PKG -LEAD FREE-

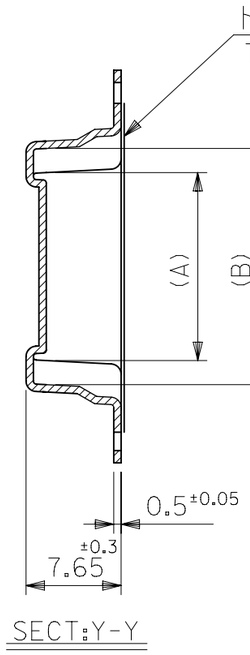
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
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| SD-52610-038 | PSD | 001 | D |

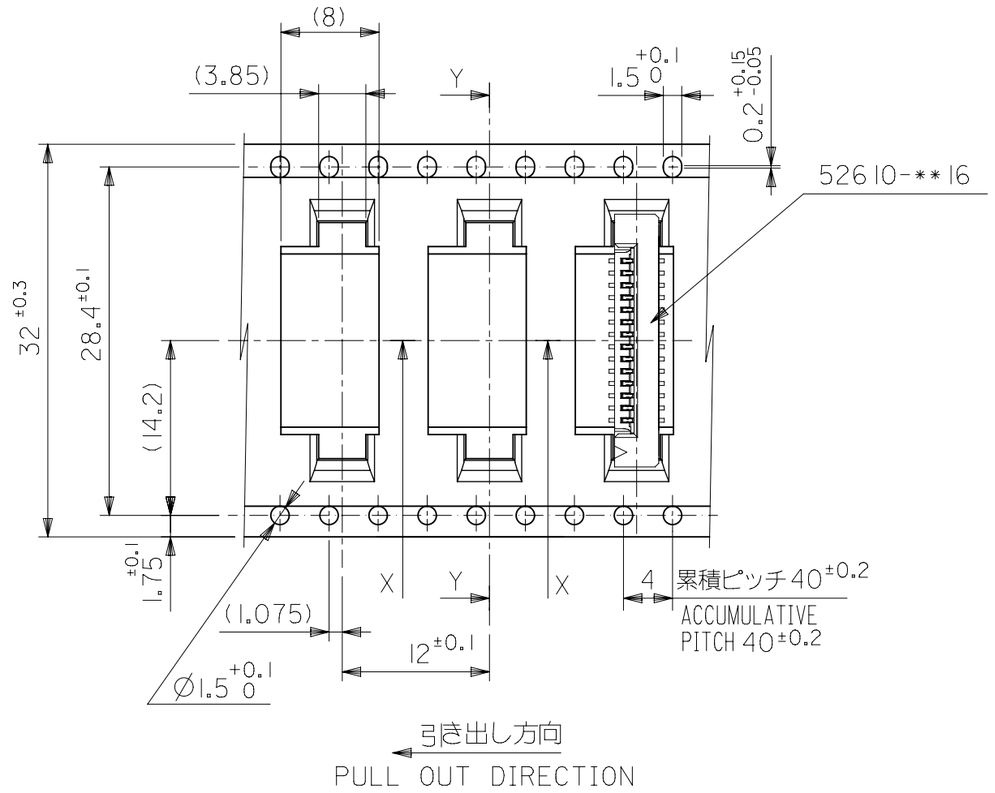
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 2 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/09/05 05:51:54 |
|---|---|---|---|

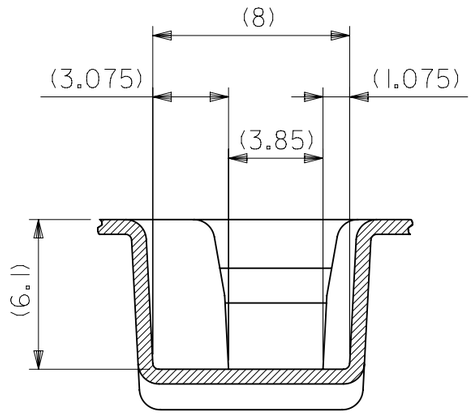
FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01




SECT:Y-Y




引き出し方向
PULL OUT DIRECTION




SECT:X-X
(SCALE 4:1)

| | | | | | | |
|---|---|---|---|---|---|---|
| 32 | 37.4 | 33.4 | 20.25 | 16.32 | 52610-1571 | 15 |
| | | | 19.25 | 15.32 | 52610-1471 | 14 |
| | | | 18.25 | 14.32 | 52610-1371 | 13 |
| | | | 17.25 | 13.32 | 52610-1271 | 12 |
| | | | 16.25 | 12.32 | 52610-1171 | 11 |
| キャリアテープ幅 CARRIER TAPE WIDTH | D | C | (B) | (A) | MATERIAL NO. | 極数 CKT. |

52610-**71 MODEL NO.

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| $10^{UNDER}$ | ±0.2 |
| $10^{OVER}$ $30^{UNDER}$ | ±0.25 |
| $30^{OVER}$ | ±0.3 |
| ANGULAR | ±3 ° |

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 | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± |
| 1 PLACE | ± |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 719890
DRWN: DGONDO 2022/09/01
CHK'D: SMARUYAMA 2022/09/05
APPR: YNAITO 2022/09/05

INITIAL REVISION:
DRWN: NAIDA 2005/08/08
APPR: NUKITA 2005/08/22

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52610

molex

1.0 FPC CONN SMT
ZIF EMBSTP PKG -LEAD FREE-

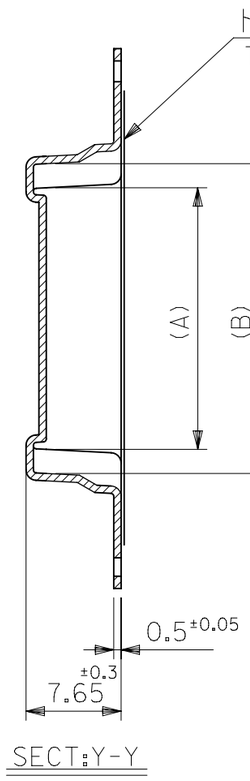
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-52610-038 | PSD | 001 | D |

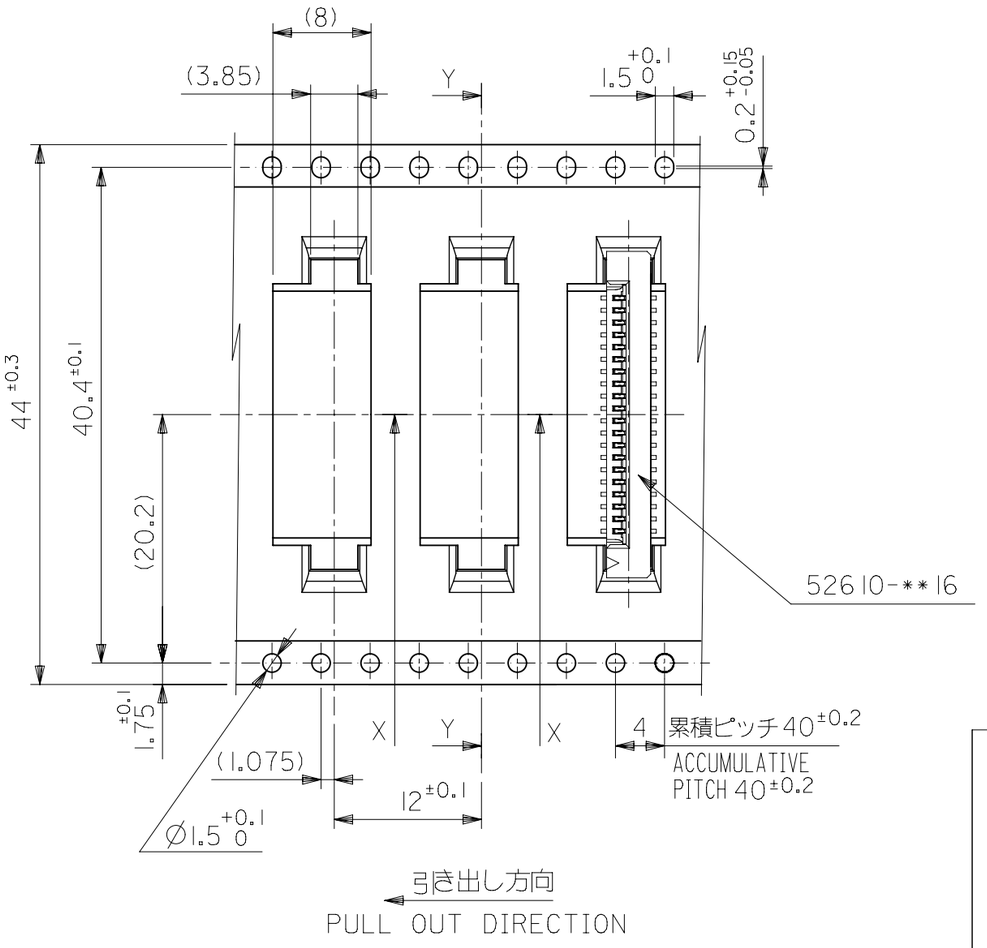
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 3 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/09/05 05:51:54 |
|---|---|---|---|

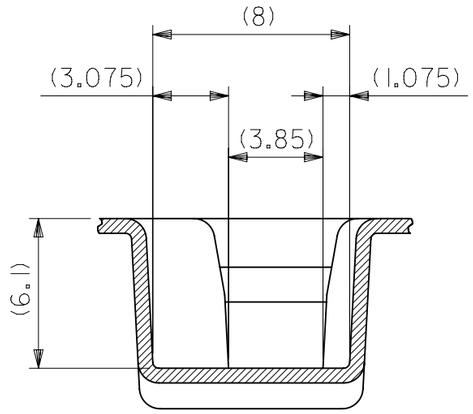
FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01




SECT:Y-Y




引き出し方向
PULL OUT DIRECTION




SECT:X-X
(SCALE 4:1)

| | | | | | | |
|---|---|---|---|---|---|---|
| 44 | 49.4 | 45.4 | 31.25 | 27.32 | 52610-2671 | 26 |
| | | | 30.25 | 26.32 | 52610-2571 | 25 |
| | | | 29.25 | 25.32 | 52610-2471 | 24 |
| | | | 28.25 | 24.32 | 52610-2371 | 23 |
| | | | 27.25 | 23.32 | 52610-2271 | 22 |
| | | | 26.25 | 22.32 | 52610-2171 | 21 |
| | | | 25.25 | 21.32 | 52610-2071 | 20 |
| | | | 24.25 | 20.32 | 52610-1971 | 19 |
| | | | 23.25 | 19.32 | 52610-1871 | 18 |
| | | | 22.25 | 18.32 | 52610-1771 | 17 |
| | | | 21.25 | 17.32 | 52610-1671 | 16 |
| キャリアテープ幅 CARRIER TAPE WIDTH | D | C | (B) | (A) | MATERIAL NO. | 極数 CKT. |

52610-**71 MODEL NO.

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| $10^{UNDER}$ | ±0.2 |
| $10^{OVER}$ $30^{UNDER}$ | ±0.25 |
| $30^{OVER}$ | ±0.3 |
| ANGULAR | ±3 ° |

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 | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± |
| 1 PLACE | ± |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 719890
DRWN: DGONDO 2022/09/01
CHK'D: SMARUYAMA 2022/09/05
APPR: YNAITO 2022/09/05

INITIAL REVISION:
DRWN: NAIDA 2005/08/08
APPR: NUKITA 2005/08/22

molex

1.0 FPC CONN SMT
ZIF EMBSTP PKG -LEAD FREE-

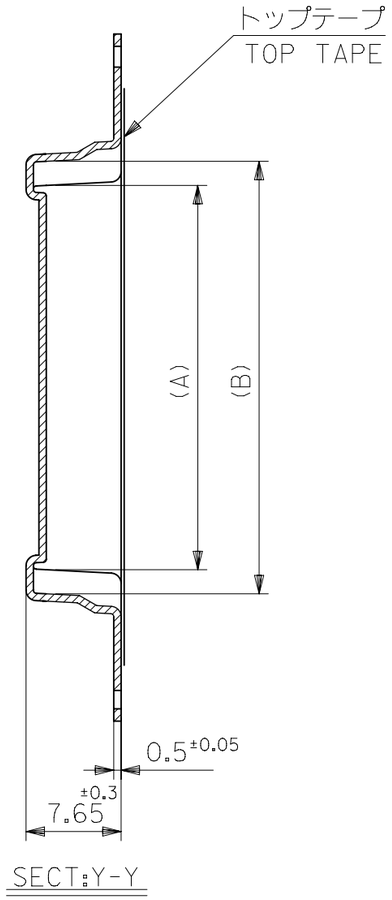
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-52610-038 | PSD | 001 | D |

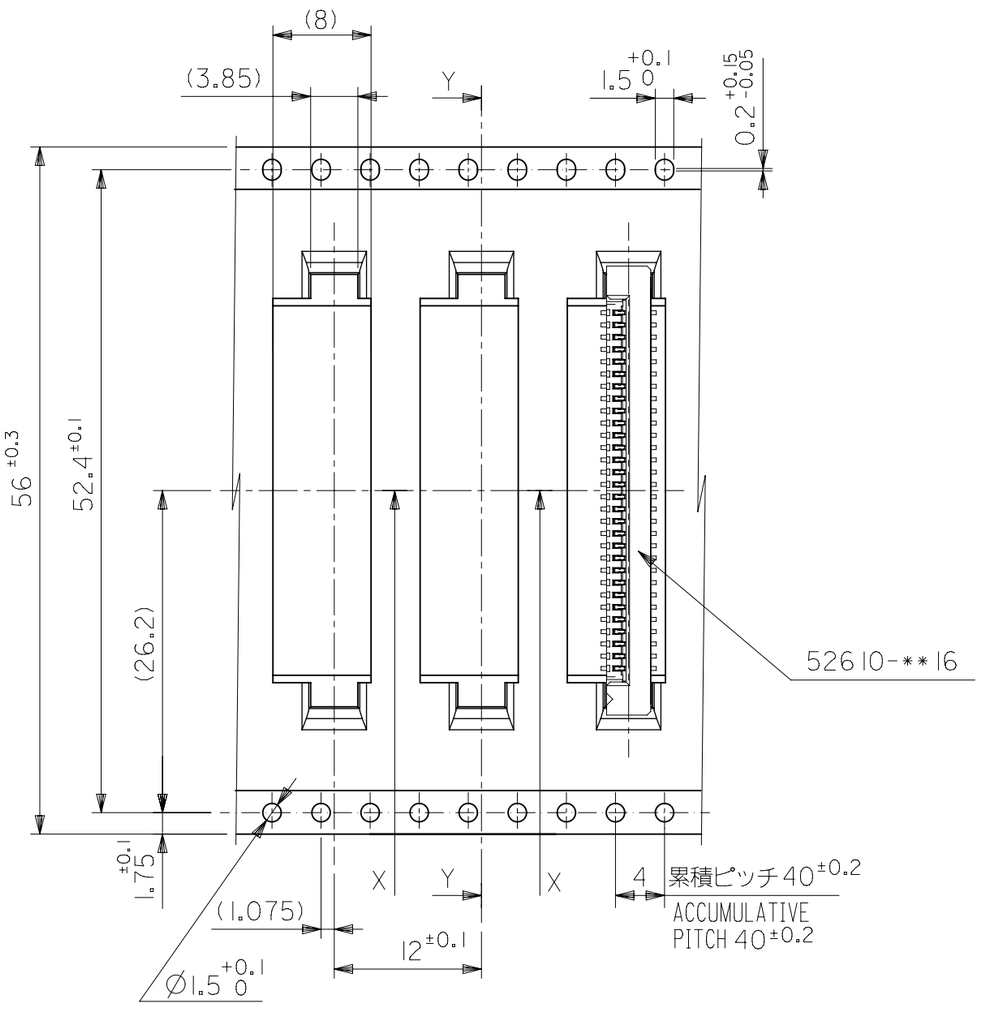
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 52610 | SEE TABLE | GENERAL MARKET | 4 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/09/05 05:51:54 |
|---|---|---|---|

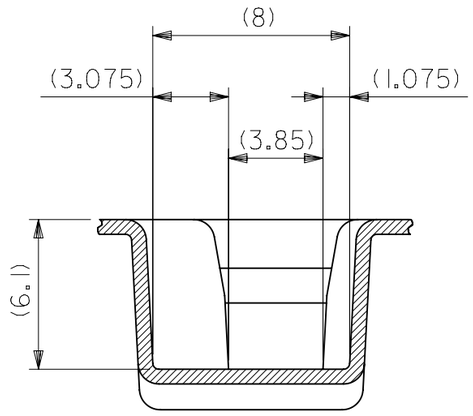
FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01




SECT:Y-Y




引き出し方向
PULL OUT DIRECTION




SECT:X-X
(SCALE 4:1)

| | | | | | | |
|---|---|---|---|---|---|---|
| 56 | 61.4 | 57.4 | 35.25 | 31.32 | 52610-3071 | 30 |
| | | | 33.25 | 29.32 | 52610-2871 | 28 |
| キャリアテープ幅 CARRIER TAPE WIDTH | D | C | (B) | (A) | MATERIAL NO. | 極数 CKT. |

52610-**71 MODEL NO.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| $10^{UNDER}$ | ±0.2 |
| $10^{OVER}$ $30^{UNDER}$ | ±0.25 |
| $30^{OVER}$ | ±0.3 |
| ANGULAR | ±3 ° |

| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± |
| 1 PLACE | ± |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 719890
DRWN: DGONDO 2022/09/01
CHK'D: SMARUYAMA 2022/09/05
APPR: YNAITO 2022/09/05

INITIAL REVISION:
DRWN: NAIDA 2005/08/08
APPR: NUKITA 2005/08/22

molex

1.0 FPC CONN SMT
ZIF EMBSTP PKG -LEAD FREE-

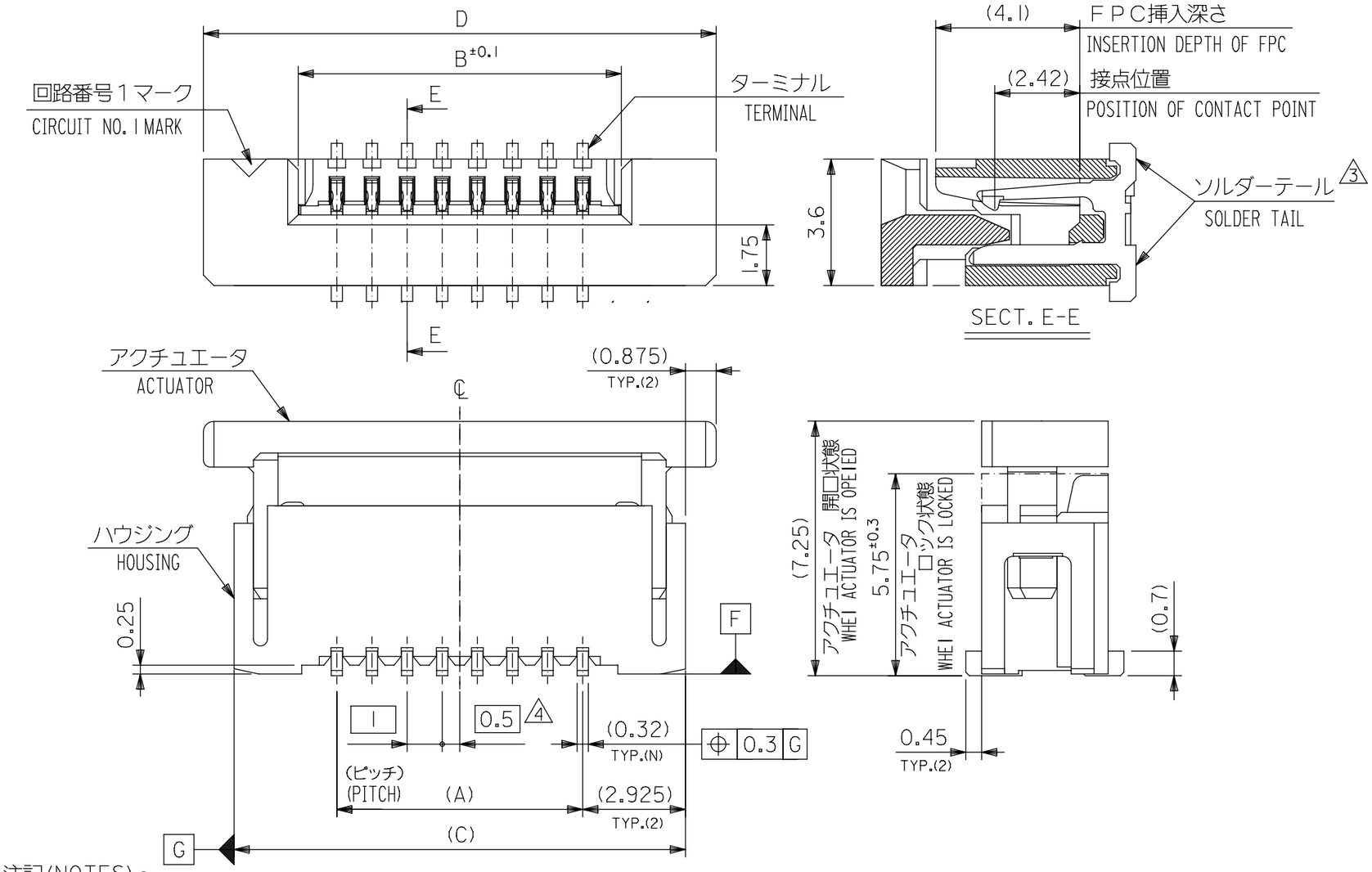
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-52610-038 | PSD | 001 | D |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 52610 | SEE TABLE | GENERAL MARKET | 5 OF 5 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/09/05 05:51:54 |
|---|---|---|---|

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










| | | | | | |
|---|---|---|---|---|---|
| 36.6 | 34.85 | 31.2 | 29 | 52610-3071 | 30 |
| 34.6 | 32.85 | 29.2 | 27 | -2871 | 28 |
| 32.6 | 30.85 | 27.2 | 25 | -2671 | 26 |
| 31.6 | 29.85 | 26.2 | 24 | -2571 | 25 |
| 30.6 | 28.85 | 25.2 | 23 | -2471 | 24 |
| 29.6 | 27.85 | 24.2 | 22 | -2371 | 23 |
| 28.6 | 26.85 | 23.2 | 21 | -2271 | 22 |
| 27.6 | 25.85 | 22.2 | 20 | -2171 | 21 |
| 26.6 | 24.85 | 21.2 | 19 | -2071 | 20 |
| 25.6 | 23.85 | 20.2 | 18 | -1971 | 19 |
| 24.6 | 22.85 | 19.2 | 17 | -1871 | 18 |
| 23.6 | 21.85 | 18.2 | 16 | -1771 | 17 |
| 22.6 | 20.85 | 17.2 | 15 | -1671 | 16 |
| 21.6 | 19.85 | 16.2 | 14 | -1571 | 15 |
| 20.6 | 18.85 | 15.2 | 13 | -1471 | 14 |
| 19.6 | 17.85 | 14.2 | 12 | -1371 | 13 |
| 18.6 | 16.85 | 13.2 | 11 | -1271 | 12 |
| 17.6 | 15.85 | 12.2 | 10 | -1171 | 11 |
| 16.6 | 14.85 | 11.2 | 9 | -1071 | 10 |
| 15.6 | 13.85 | 10.2 | 8 | -0971 | 9 |
| 14.6 | 12.85 | 9.2 | 7 | -0871 | 8 |
| 13.6 | 11.85 | 8.2 | 6 | -0771 | 7 |
| 12.6 | 10.85 | 7.2 | 5 | -0671 | 6 |
| 11.6 | 9.85 | 6.2 | 4 | 52610-0571 | 5 |
| D | (C) | B | (A) | MATERIAL NO. | CKT. |

注記(NOTES):

1. 材料(MATERIAL)
   ハウジング(HOUSING):46NYLON ,UL94V-0
   アクチュエータ(ACTUATOR):PPS ,UL94V-0
   ターミナル(TERMINAL):リン青銅 (t=0.32)
   PHOS-BRO
   **錫 (3%±1%) ビスマスメッキ** 1.0マイクロメートル以上
   **TIN (3%±1%) BISMUTH** 1.0 MICROMETER MINIMUM
   ニッケル下地 1.0マイクロメートル以上
   NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
2. エンボステープ梱包時は、アクチュエータがロックした状態とする。
   IN THE PACKAGE ,ACTUATOR OF PART NO.52610-**16 SHOULD BE LOCKED.

3 ソルダーテール半田付け面のズレ量は、基準面 F に対し上方向 0.05 MAX.
下方向 0.15 MAX.とする。
MISALIGNMENT OF SOLDER TAILS FROM F UPPER DIRECTION :0.05 MAX.,
LOWER DIRECTION :0.15 MAX.

4 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

5. 本製品は 52610-**17 の鉛フリー品です

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| $10^{UNDER}$ | ±0.2 |
| $10^{OVER}$ $30^{UNDER}$ | ±0.25 |
| $30^{OVER}$ | ±0.3 |
| ANGULAR | ±3 ° |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/08/03 11:20:32 |
|---|---|---|---|

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 ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:
EC NO: 758488
DRWN: RAJMOK 2023/07/27
CHK'D: HSHIMOYAMA 2023/08/03
APPR: YNAITO 2023/08/03
INITIAL REVISION:
DRWN: MNABEI 2006/04/17
APPR: NUKITA 2006/04/20

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52610

molex

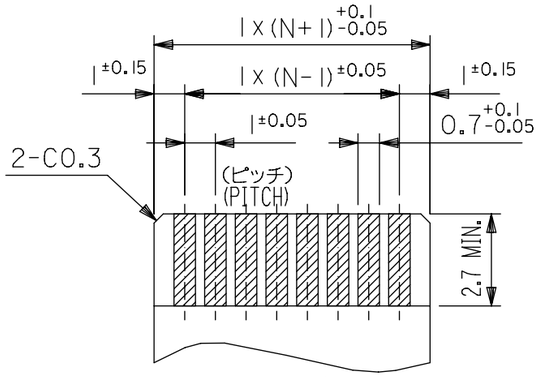
1.0 FPC CONNECTOR
Z.I.F. FOR SMT.(ST.) -LEAD FREE-

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-52610-041 | PSD | 001 | J |

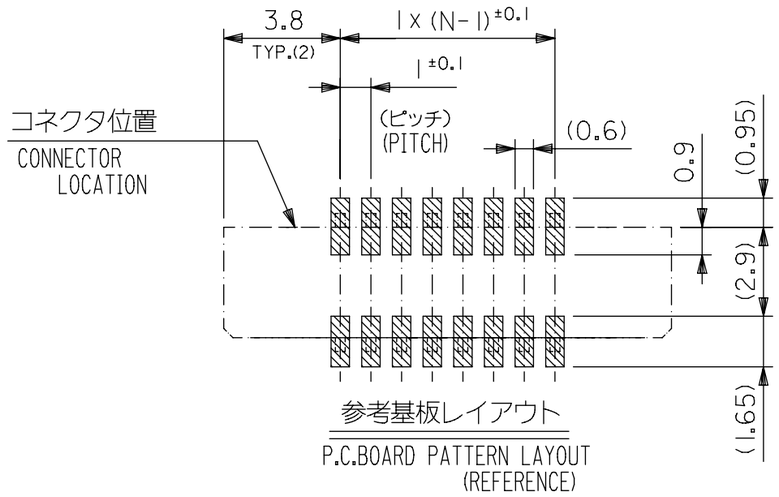
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 1 OF 2 |

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

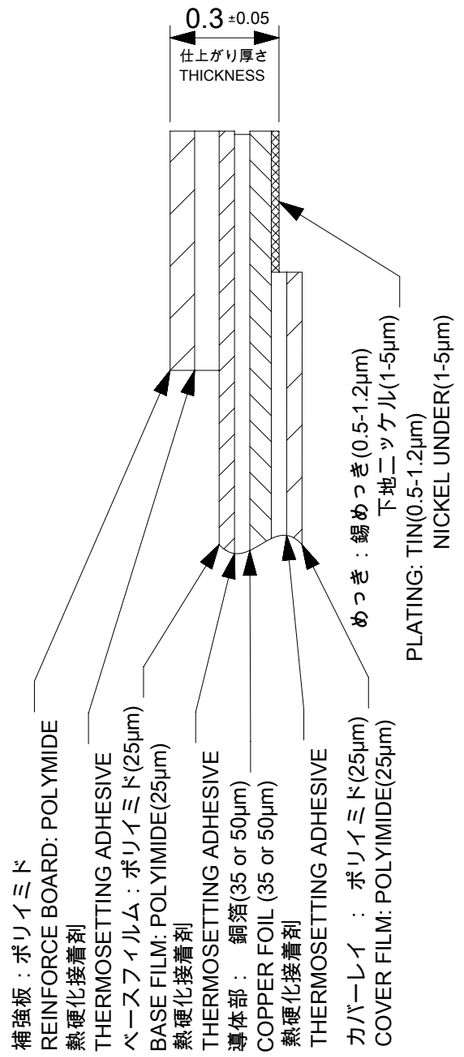



適合ＦＰＣ推奨寸法
APPLICABLE FPC RECOMMENDED DIM.

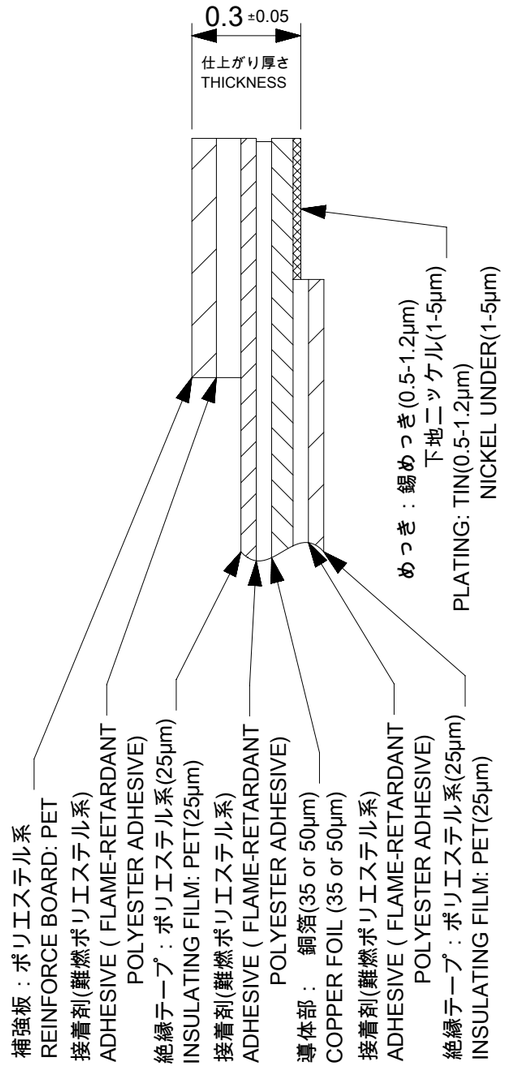
仕上がり厚さ(THICKNESS)：0.3 ±0.05




参考基板レイアウト
P.C.BOARD PATTERN LAYOUT
(REFERENCE)




FPC構成推奨仕様
RECOMMENDED STRUCTURE OF FPC




FFC構成推奨仕様
RECOMMENDED STRUCTURE OF FFC

ＦＰＣについて：
打抜き方向は導体側から補強板側を推奨致します。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THRMOSETTING BONDING AGENT

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| $10^{UNDER}$ | ±0.2 |
| $10^{OVER}$ $30^{UNDER}$ | ±0.25 |
| $30^{OVER}$ | ±0.3 |
| ANGULAR | ±3 ° |

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 ± | ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± |
| 1 PLACE | ± |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 758488
DRWN: RAJMOK 2023/07/27
CHK'D: HSHIMOYAMA 2023/08/03
APPR: YNAITO 2023/08/03

INITIAL REVISION:
DRWN: MNABEI 2006/04/17
APPR: NUKITA 2006/04/20

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52610

molex

1.0 FPC CONNECTOR
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PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-52610-041 | PSD | 001 | J |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE SHEET-1 | GENERAL MARKET | 2 OF 2 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/08/03 11:20:32 |
|---|---|---|---|

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

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2174911202 559320830 2183231061 2153261101 150200083 151670248 2138642633 2162721083
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936012539 2175101122 2153252062 1451300703 151660051 2163012123 2178431123 0150200051
217471-1221 2174712111 2174902123 2147632113 1200878703 151660751