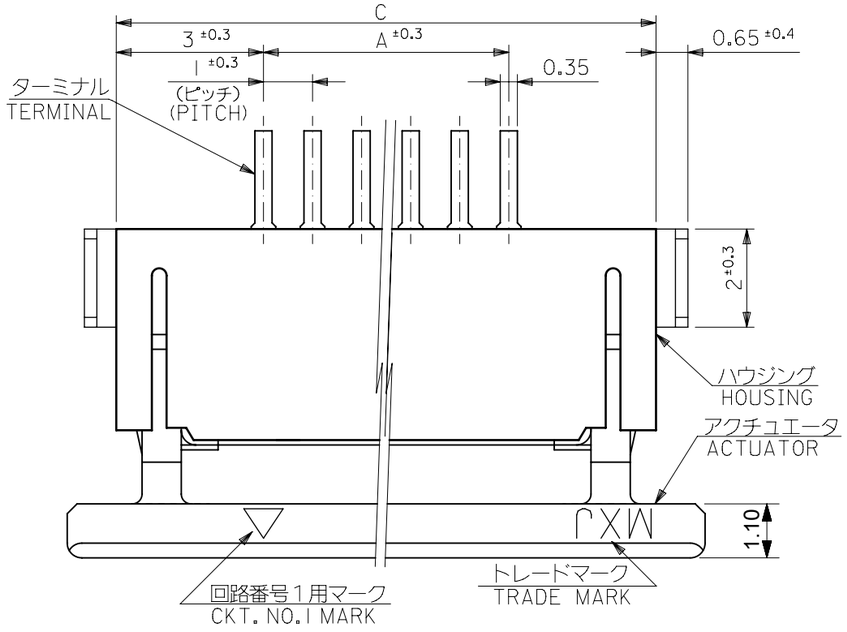
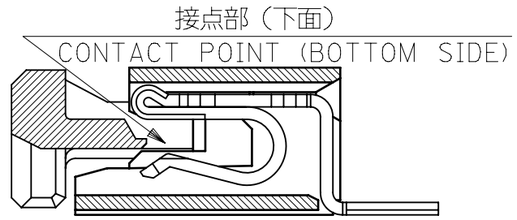
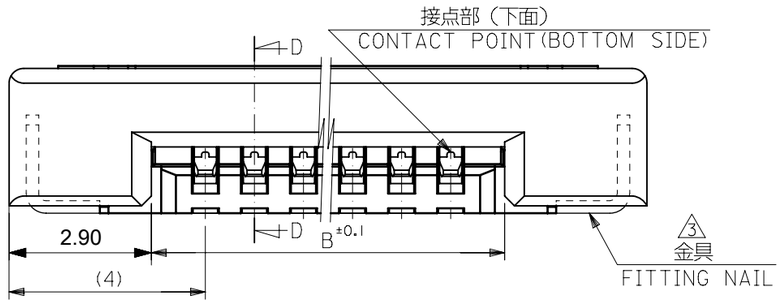
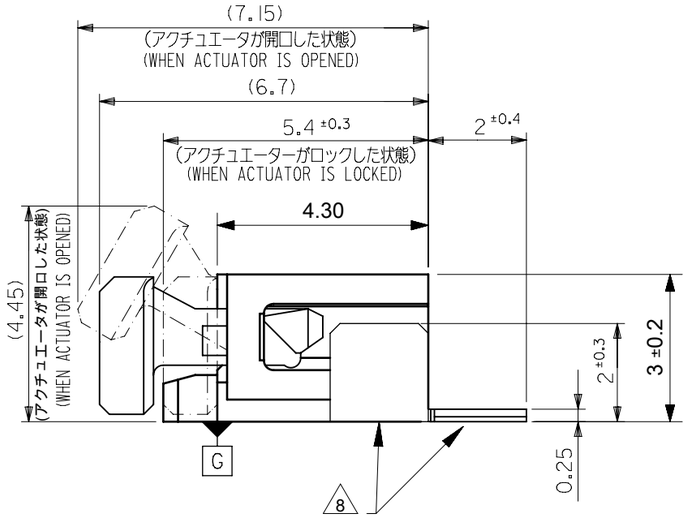
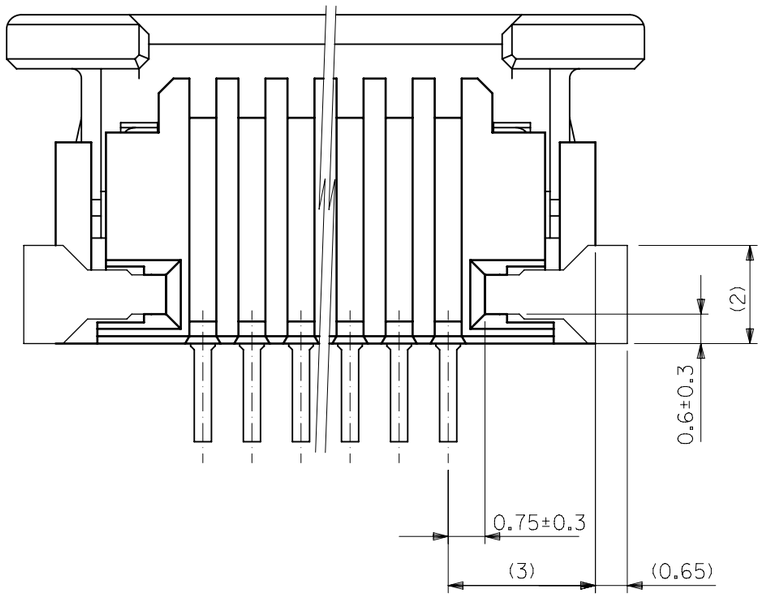



SECT.D-D




注記 NOTES

1. 接点部までの嵌合長さ。
LENGTH TO CONTACT POINT.
2. 使用材料 MATERIAL
ハウジング　：４６ナイロン，ＵＬ９４Ｖ－０
HOUSING : 46NYLON, UL94V-0
アクチュエータ：ＰＰＳ，ＵＬ９４Ｖ－０
ACTUATOR : PPS, UL94V-0
ターミナル　：リン青銅（ｔ＝０．２５）
TERMINAL : PHOS-BRO.(t=0.25)
メッキ　：錫ビスマスメッキ　１．０マイクロメートル以上
PLATING : TIN-BISMUTH 1.0 MICROMETER MINIMUM
：ニッケル下地　１．０マイクロメートル以上
PLATING : NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
金具　：銅合金（ｔ＝０．２５）
FITTING NAIL : COPPER ALLOY (t=0.25)
メッキ　：錫メッキ　１．０マイクロメートル以上
PLATING : TIN 1.0 MICROMETER MINIMUM
：ニッケル下地　１．０マイクロメートル以上
PLATING : NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
3. パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B.PATTERN.
4. 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。
WHEN CONNECTOR IS SHIPED, ACTUATOR SHOULD BE LOCKED.
5. ＦＰＣ挿入深さ。
INSERTION DEPTH OF FPC
6. パターン書き込み禁止エリア。
NO FOOT PRINT AREA.
7. 本製品は５２２７１－＊＊９０の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52271-**90
8. **テール及び金具の平坦度は、0.15以下とする。**
TAIL AND NAIL COPLANARITY TO BE 0.15 MAXIMUM.

| | | | | |
|---|---|---|---|---|
| 35 | 31.2 | 29 | 52271-3079 | 30 |
| 34 | 30.2 | 28 | 52271-2979 | 29 |
| 33 | 29.2 | 27 | 52271-2879 | 28 |
| 32 | 28.2 | 26 | 52271-2779 | 27 |
| 31 | 27.2 | 25 | 52271-2679 | 26 |
| 30 | 26.2 | 24 | 52271-2579 | 25 |
| 29.0 | 25.2 | 23 | 52271-2479 | 24 |
| 28.0 | 24.2 | 22 | 52271-2379 | 23 |
| 27.0 | 23.2 | 21 | 52271-2279 | 22 |
| 26.0 | 22.2 | 20 | 52271-2179 | 21 |
| 25.0 | 21.2 | 19 | 52271-2079 | 20 |
| 24.0 | 20.2 | 18 | 52271-1979 | 19 |
| 23.0 | 19.2 | 17 | 52271-1879 | 18 |
| 22.0 | 18.2 | 16 | 52271-1779 | 17 |
| 21.0 | 17.2 | 15 | 52271-1679 | 16 |
| 20.0 | 16.2 | 14 | 52271-1579 | 15 |
| 19.0 | 15.2 | 13 | 52271-1479 | 14 |
| 18.0 | 14.2 | 12 | 52271-1379 | 13 |
| 17.0 | 13.2 | 11 | 52271-1279 | 12 |
| 16.0 | 12.2 | 10 | 52271-1179 | 11 |
| 15.0 | 11.2 | 9 | 52271-1079 | 10 |
| 14.0 | 10.2 | 8 | 52271-0979 | 9 |
| 13.0 | 9.2 | 7 | 52271-0879 | 8 |
| 12.0 | 8.2 | 6 | 52271-0779 | 7 |
| 11.0 | 7.2 | 5 | 52271-0679 | 6 |
| 10.0 | 6.2 | 4 | 52271-0579 | 5 |
| 9.00 | 5.2 | 3 | 52271-0479 | 4 |
| C | B | A | EMBOSSED PACKAGE Order No. | CKT No. |

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

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 8:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 3.0 ° |
| 4 PLACES | ± 0.2 |
| 3 PLACES | ± 0.2 |
| 2 PLACES | ± 0.2 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± 0.3 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC:

EC NO: 672151
DRWN: DGONDO 2021/08/02
CHK'D: TKON 2021/08/03
APPR: SHOSHIKAWA 2021/08/03

INITIAL REVISION:
DRWN: HKAWABATA 2004/03/18
APPR: MSASAO 2004/03/19

molex

1.0 FPC CONN ZIF SMT
(BOTTOM CONTACT) -LEAD FREE-

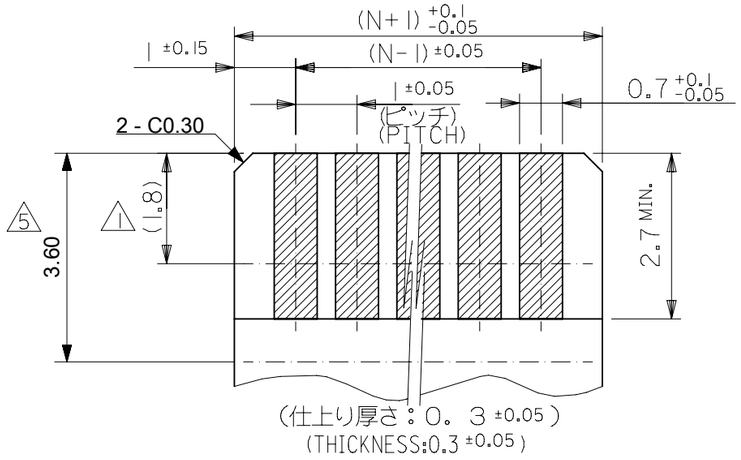
PRODUCT CUSTOMER DRAWING

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 52271 | SEE TABLE | GENERAL MARKET | 1 OF 2 |

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-52271-036 | PSD | 001 | F |

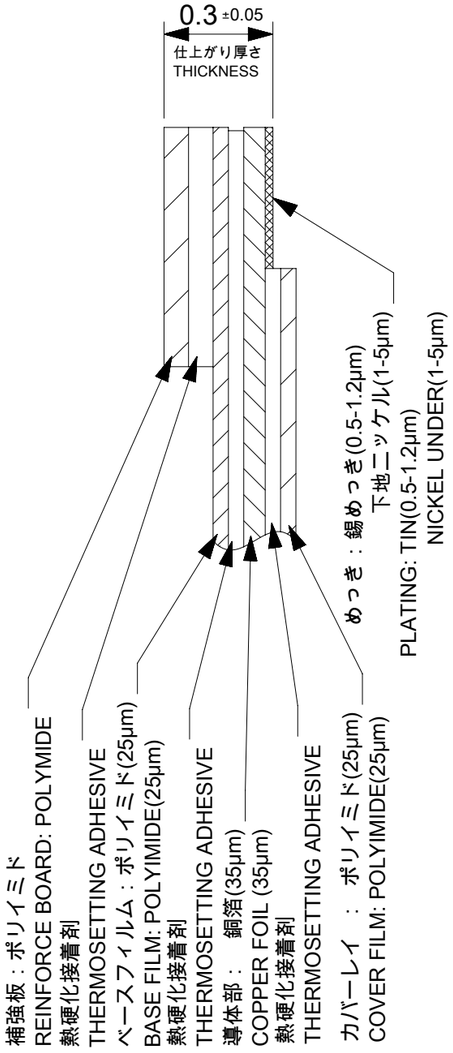
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|---|---|---|---|

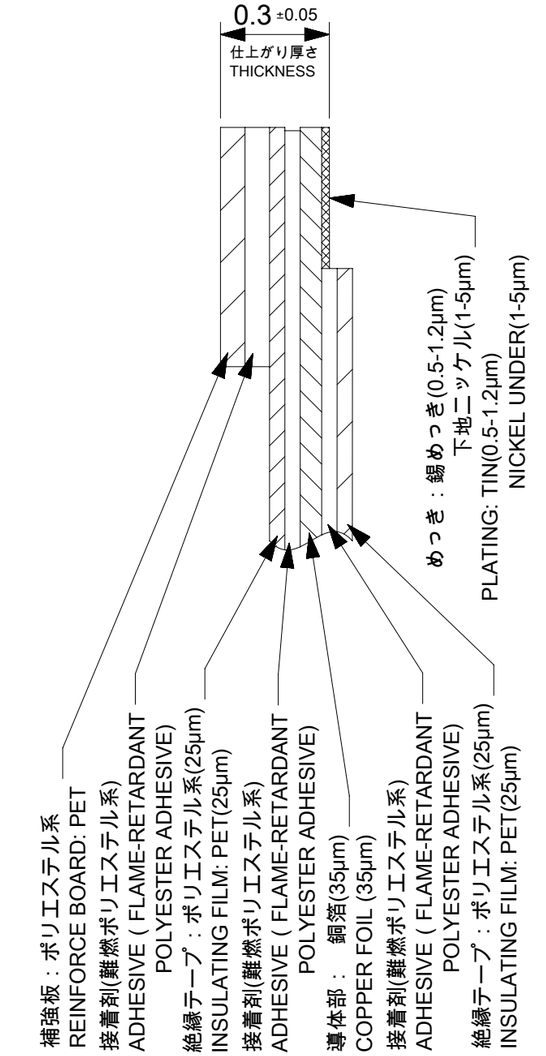
FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

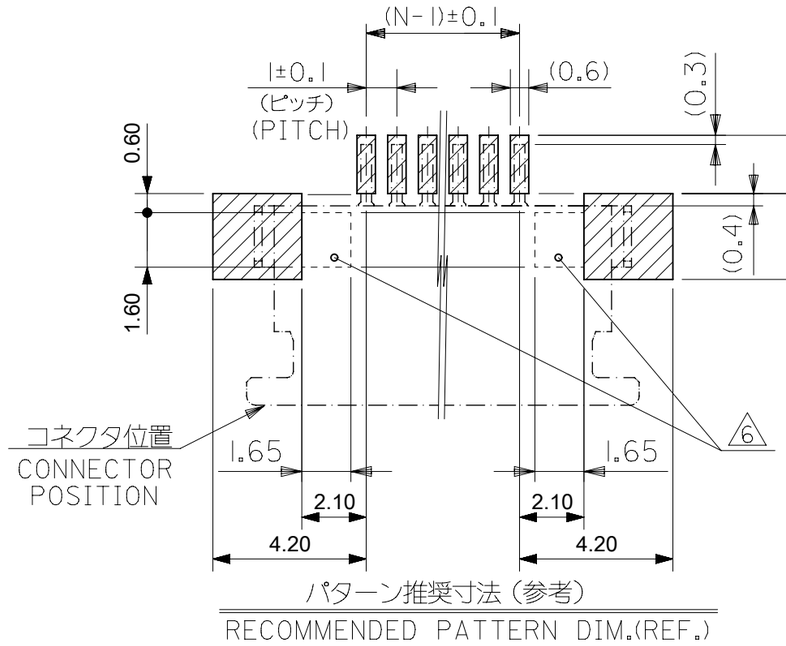



適合FPC/FFC推奨寸法

APPLICABLE FPC/FFC RECOMMENDED DIMENSION




パターン推奨寸法（参考）

RECOMMENDED PATTERN DIM.(REF.)

SCALE 5:1

## FPC構成推奨仕様

RECOMMENDED STRUCTURE OF FPC

## FFC構成推奨仕様

RECOMMENDED STRUCTURE OF FFC

FPC/FFCについて：

抜き方向は、導体側から補強板側を推奨致します。

尚、接着剤の接点部への付着は導通不良の原因になりますので、

染み出しが無い様お願い致します。

ABOUT FPC/FFC:

RECOMMENDED PUNCHER DIRECTION:

FROM CONDUCTOR SIDE TO STIFFNER SIDE

PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND

BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE

CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

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

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 10:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 3.0 ° |
| 4 PLACES | ± | 0.2 |
| 3 PLACES | ± | 0.2 |
| 2 PLACES | ± | 0.2 |
| 1 PLACE | ± | 0.25 |
| 0 PLACES | ± | 0.3 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 672151

DRWN: DGONDO 2021/08/02

CHK'D: TKON 2021/08/03

APPR: SHOSHIKAWA 2021/08/03

INITIAL REVISION:

DRWN: HKAWABATA 2004/03/18

APPR: MSASAO 2004/03/19

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52271

molex

1.0 FPC CONN ZIF SMT
(BOTTOM CONTACT) -LEAD FREE-

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-52271-036 | PSD | 001 | F |

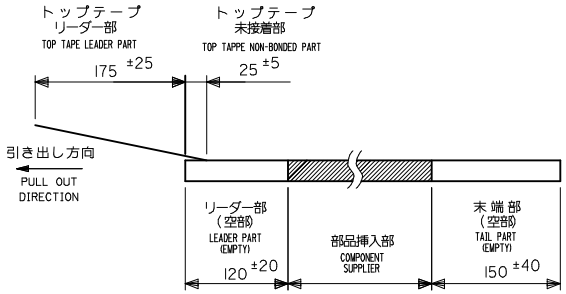
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE SHEET 1 | GENERAL MARKET | 2 OF 2 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/08/03 12:33:51 |
|---|---|---|---|

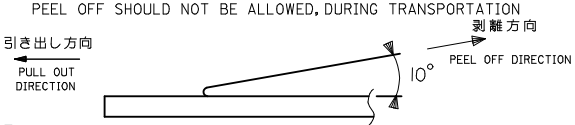
FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

## NOTES

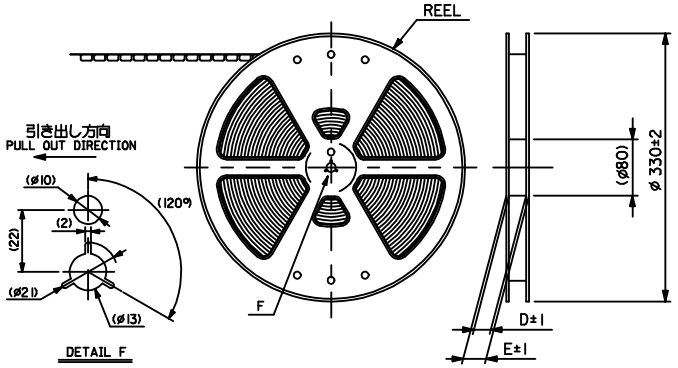
1. 製品番号 52271-**19 の梱包状態はアクチュエータがロックした状態とする。
詳細寸法については 図 面 SD-52271-036 を参照下さい。
IN THE PACKAGE, AUTUATOR OF PART NO. 52271-**19 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52271-036.
2. 梱包数量：1000個/リール
NUMBER OF CONNECTORS : 1000 PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH

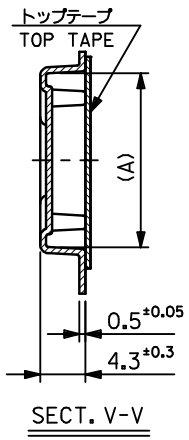



4. トップテープの剥離強度：0.1～1.3N {10～130gf} (剥離方向は下図参照)
尚、本規格値は、出荷時に適用。(但し、輸送時に剥離が発生しない事。)
PEELING OFF FORCE OF TOP TAPE : 0.1～1.3N{10～130gf}
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION

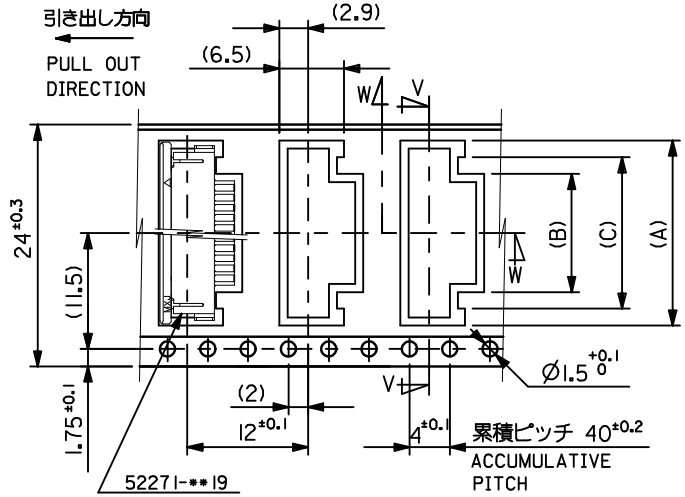


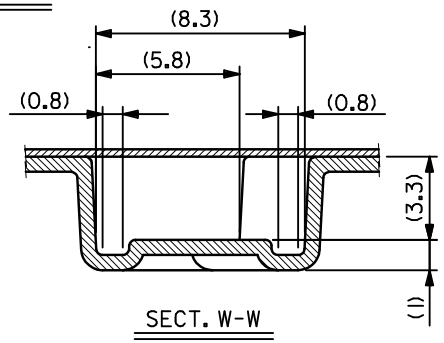

5. 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE) : PET, PE, PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>
6. 本製品は52271-**90の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52271-**90.
7. 本製品は乾燥剤入り、ハイバリア梱包仕様である.
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.




SECT. V-V




SECT. W-W

| MODEL NO. | キャリアテープ幅 CARRIER TAPE WIDTH | E | D | (C) | (B) | (A) | MATERIAL NO. | 極数 CKT. |
|---|---|---|---|---|---|---|---|---|
| 52271-**79 | 24 | 29.4 | 25.4 | 15 | 11.4 | 18.3 | 52271-1179 | 11 |
| | | | | 14 | 10.4 | 17.3 | -1079 | 10 |
| | | | | 13 | 9.4 | 16.3 | -0979 | 9 |
| | | | | 12 | 8.4 | 15.3 | -0879 | 8 |
| | | | | 11 | 7.4 | 14.3 | -0779 | 7 |
| | | | | 10 | 6.4 | 13.3 | -0679 | 6 |
| | | | | 9 | 5.4 | 12.3 | -0579 | 5 |
| | | | | 8 | 4.4 | 11.3 | 52271-0479 | 4 |

REVISED
EC NO: J2009-2061 2009/05/20
DRWN: TKON 2009/05/21
CHKD: HMATSUMOTO
APPR: NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR | ±3° |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

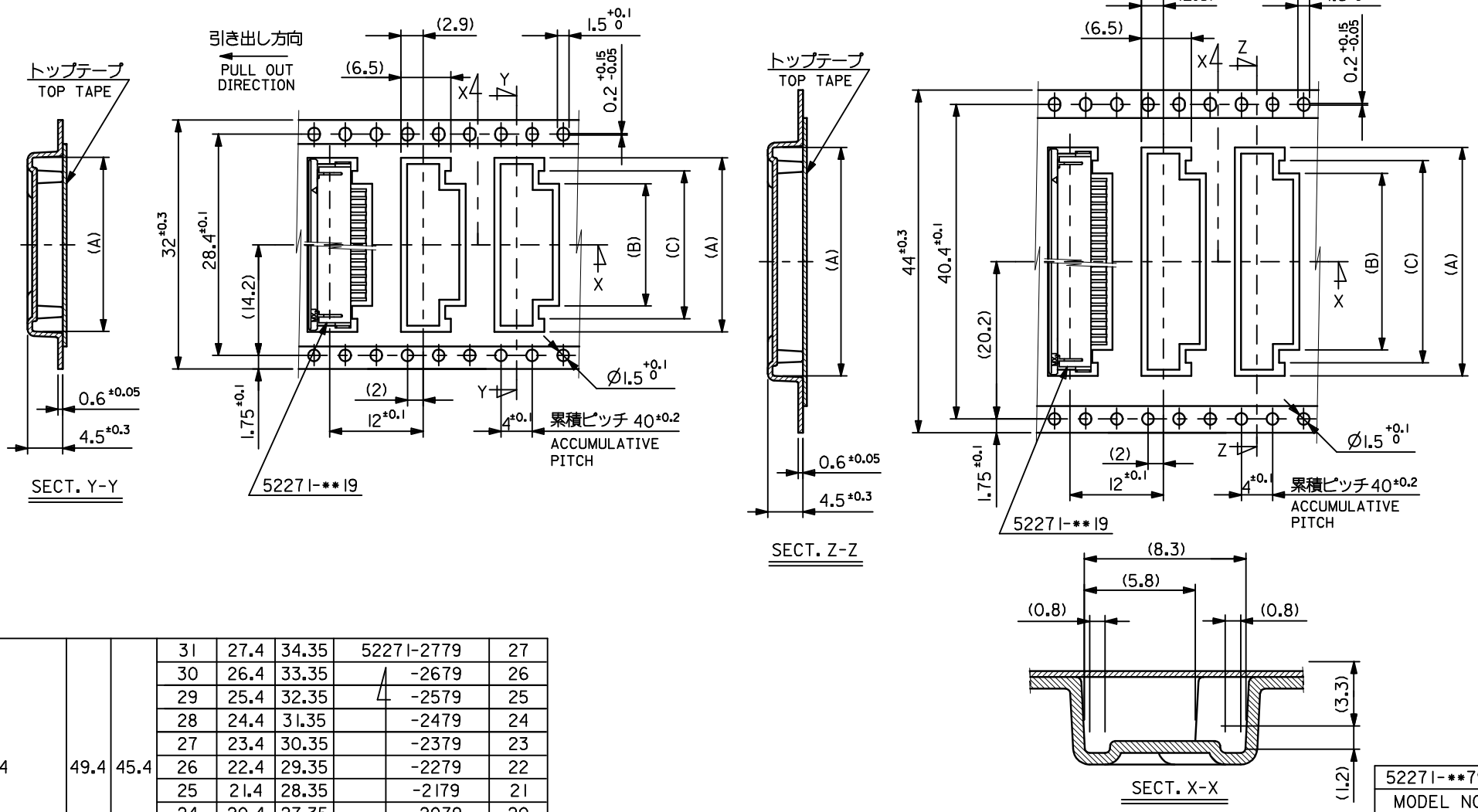
| | | DATE |
|---|---|---|
| DRAWN BY | H.KAWABATA | 2004/03/12 |
| CHECKED BY | K.TOJO | 2004/03/12 |
| APPROVED BY | M.SASAO | 2004/03/12 |
| MATERIAL NO. | SEE TABLE | |

TITLE: EMBOSSED TAPE PACKAGE FOR 52271-**19 -LEAD FREE-

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DOCUMENT NO. SD-52271-037
SHEET NO. 1 OF 3
SIZE A3

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| キャリアテープ幅 CARRIER TAPE WIDTH | E | D | (C) | (B) | (A) | MATERIAL NO. | 個数 CKT. |
|---|---|---|---|---|---|---|---|
| 44 | 49.4 | 45.4 | 31 | 27.4 | 34.35 | 52271-2779 | 27 |
| | | | 30 | 26.4 | 33.35 | -2679 | 26 |
| | | | 29 | 25.4 | 32.35 | -2579 | 25 |
| | | | 28 | 24.4 | 31.35 | -2479 | 24 |
| | | | 27 | 23.4 | 30.35 | -2379 | 23 |
| | | | 26 | 22.4 | 29.35 | -2279 | 22 |
| | | | 25 | 21.4 | 28.35 | -2179 | 21 |
| | | | 24 | 20.4 | 27.35 | -2079 | 20 |
| | | | 23 | 19.4 | 26.35 | -1979 | 19 |
| | | | 22 | 18.4 | 25.35 | -1879 | 18 |
| | | | 21 | 17.4 | 24.35 | -1779 | 17 |
| 32 | 37.4 | 33.4 | 20 | 16.4 | 23.35 | -1679 | 16 |
| | | | 19 | 15.4 | 22.35 | -1579 | 15 |
| | | | 18 | 14.4 | 21.35 | -1479 | 14 |
| | | | 17 | 13.4 | 20.35 | -1379 | 13 |
| | | | 16 | 12.4 | 19.35 | 52271-1279 | 12 |

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO 2009/05/21
APPR:NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR | ±3° |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

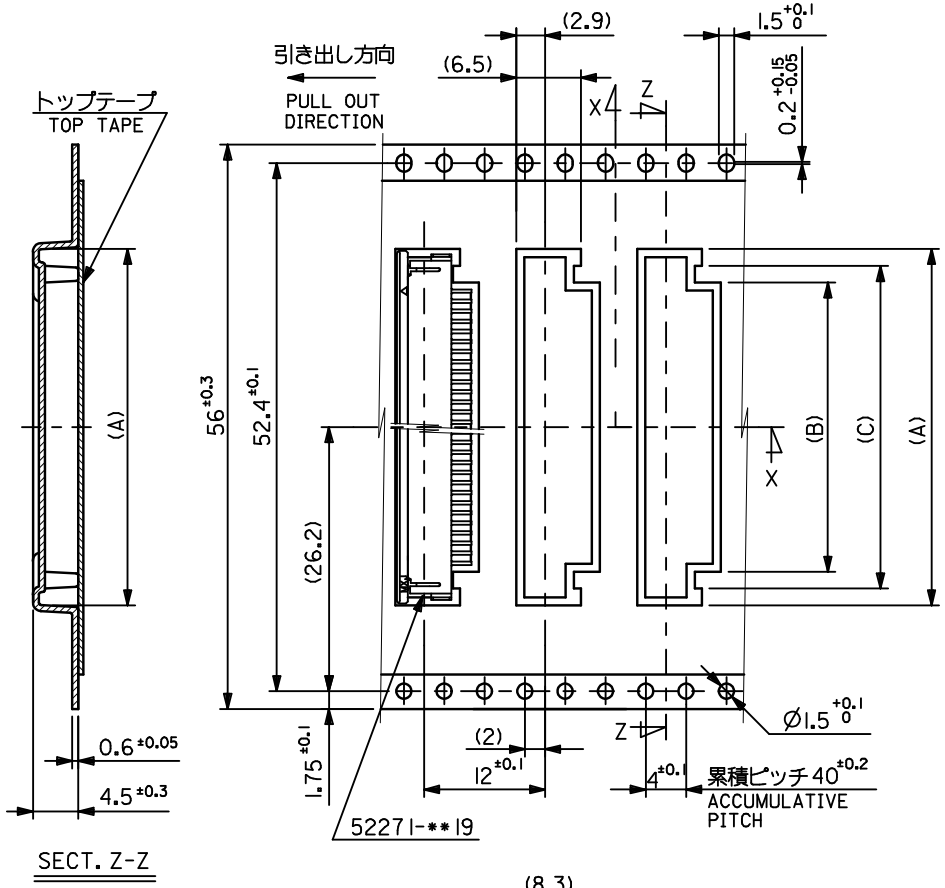
| | |
|---|---|
| DIMENSION STYLE | MM ONLY |
| SCALE | --- |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY | H.KAWABATA |
| DATE | 2004/03/12 |
| CHECKED BY | K.TOJO |
| DATE | 2004/03/12 |
| APPROVED BY | M.SASAO |
| DATE | 2004/03/12 |
| MATERIAL NO. | SEE TABLE |
| DOCUMENT NO. | SD-52271-037 |
| SHEET NO. | 2 OF 3 |
| SIZE | A3 |

TITLE: EMBOSSED TAPE PACKAGE FOR 52271-**19 -LEAD FREE-

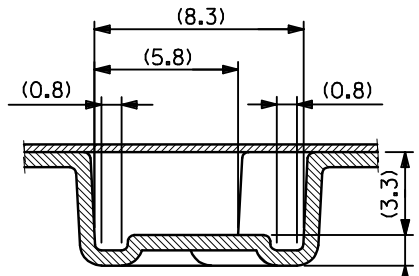
MOLEX INCORPORATED

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52271-**79
MODEL NO.




SECT. Z-Z




SECT. X-X

| キャリアテープ幅 CARRIER TAPE WIDTH | E | D | (C) | (B) | (A) | MATERIAL NO. | 極数 CKT. |
|---|---|---|---|---|---|---|---|
| 56 | 61.4 | 57.4 | 34 | 30.4 | 37.35 | 52271-3079 | 30 |
| | | | 33 | 29.4 | 36.35 | 52271-2979 | 29 |
| | | | 32 | 28.4 | 35.35 | 52271-2879 | 28 |

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CHKD:HMATSUMOTO 2009/05/21
APPR:NUKITA 2009/05/21
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR | ±3° |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | |
|---|---|
| MODEL NO. | 52271-**79 |
| DIMENSION STYLE | MM ONLY |
| SCALE | --- |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY / DATE | H.KAWABATA 2004/03/12 |
| CHECKED BY / DATE | K.TOJO 2004/03/12 |
| APPROVED BY / DATE | M.SASAO 2004/03/12 |
| MATERIAL NO. | SEE TABLE |
| DOCUMENT NO. | SD-52271-037 |
| SHEET NO. | 3 OF 3 |
| SIZE | A3 |

TITLE
EMBOSSED TAPE PAKEGE
FOR 52271-**19
-LEAD FREE-

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