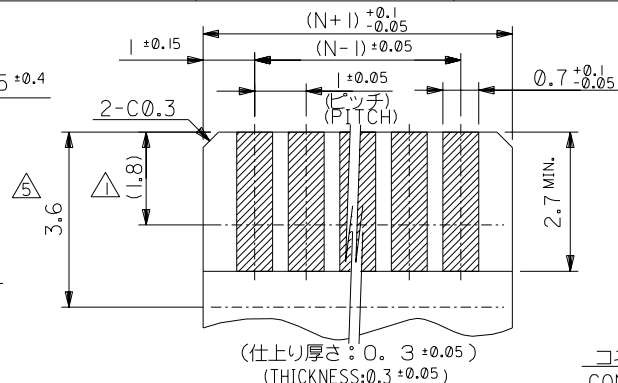
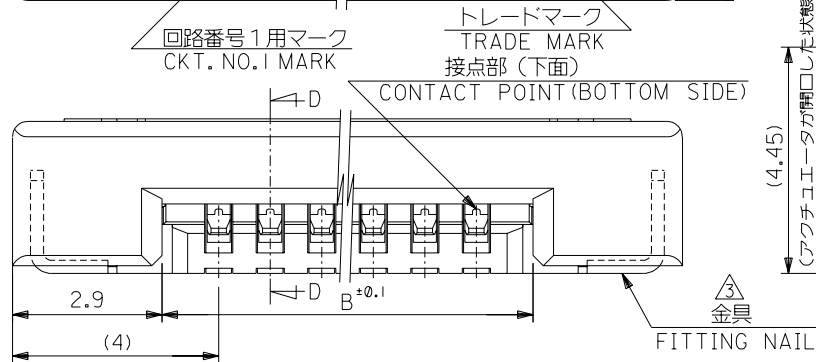
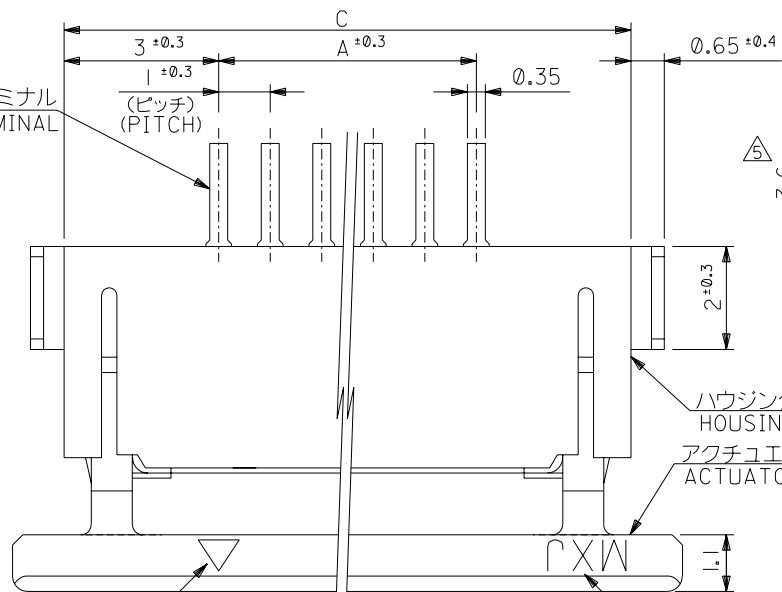
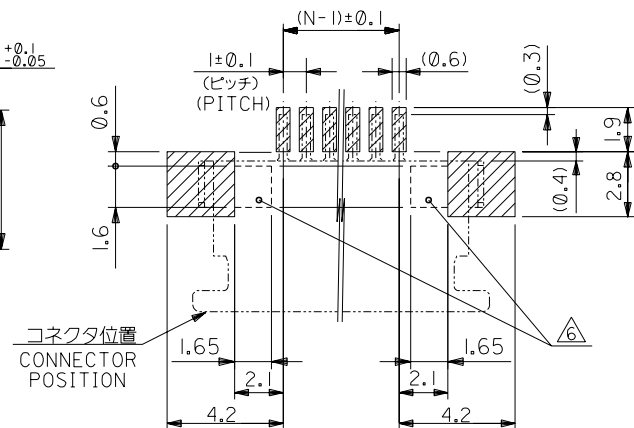
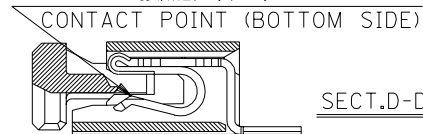
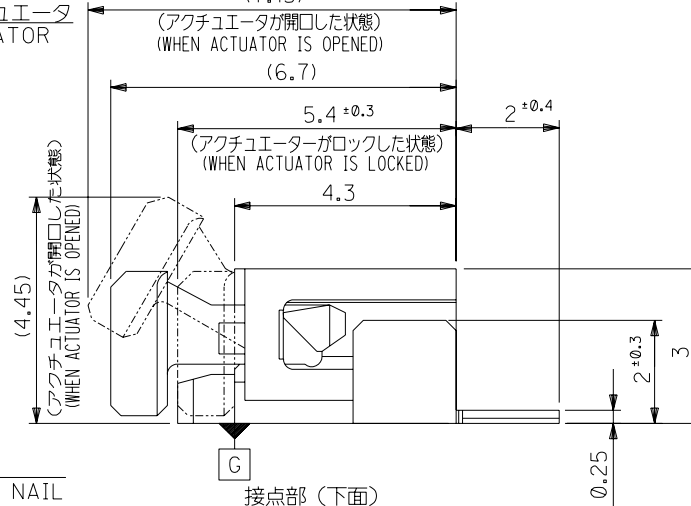


ターミナル  
TERMINAL適合FPC推奨寸法  
RECOMMENDED APPLICABLE  
FPC LAYOUT  
(7.15)

|             |      |    |            |              |
|-------------|------|----|------------|--------------|
| 35          | 31.2 | 29 | 52271-3019 | 30           |
| 34          | 30.2 | 28 | -2919      | 29           |
| 33          | 29.2 | 27 | -2819      | 28           |
| 32          | 28.2 | 26 | -2719      | 27           |
| 31          | 27.2 | 25 | -2619      | 26           |
| 30          | 26.2 | 24 | -2519      | 25           |
| 29          | 25.2 | 23 | -2419      | 24           |
| 28          | 24.2 | 22 | -2319      | 23           |
| 27          | 23.2 | 21 | -2219      | 22           |
| 26          | 22.2 | 20 | -2119      | 21           |
| 25          | 21.2 | 19 | -2019      | 20           |
| 24          | 20.2 | 18 | -1919      | 19           |
| 23          | 19.2 | 17 | -1819      | 18           |
| 22          | 18.2 | 16 | -1719      | 17           |
| 21          | 17.2 | 15 | -1619      | 16           |
| 20          | 16.2 | 14 | -1519      | 15           |
| 19          | 15.2 | 13 | -1419      | 14           |
| 18          | 14.2 | 12 | -1319      | 13           |
| 17          | 13.2 | 11 | -1219      | 12           |
| 16          | 12.2 | 10 | -1119      | 11           |
| 15          | 11.2 | 9  | -1019      | 10           |
| 14          | 10.2 | 8  | -0919      | 9            |
| 13          | 9.2  | 7  | -0819      | 8            |
| 12          | 8.2  | 6  | -0719      | 7            |
| 11          | 7.2  | 5  | -0619      | 6            |
| 10          | 6.2  | 4  | -0519      | 5            |
| 9           | 5.2  | 3  | 52271-0419 | 4            |
| 52271-**-19 | C    | B  | A          | 52271-0419   |
| MODEL NO.   |      |    |            | MATERIAL NO. |
|             |      |    |            | 極数 CKT.      |

|                            |       |           |                         |              |            |                        |                    |  |
|----------------------------|-------|-----------|-------------------------|--------------|------------|------------------------|--------------------|--|
| 角度 ANGLE                   | ±3°   |           |                         |              |            | 材料<br>MATERIAL         | 注記参照<br>SEE NOTES  | molex MOLEX-JAPAN CO.,LTD.<br>日本モレックス株式会社                |
| 30 以上<br>OVER              | +0.3  | B         | 変更<br>REVISED           | (J2004-3551) | H.K.       | 仕上げ<br>FINISH          | 注記参照<br>SEE NOTES  |  |
| 10 以上 30 未満<br>OVER UNDER  | +0.25 | A         | 変更<br>REVISED           | (J2004-3371) | H.K.       | 適用電線範囲<br>WIRE RANGE   | —                  |  |
| 10 未満<br>UNDER             | +0.2  | 0         | 新規作成<br>RELEASED        | (J2004-3059) | H.K.       | 被覆外径<br>INS. RANGE     | —                  |  |
| 一般公差<br>GENERAL TOLERANCES |       | 記号<br>LTR | 変更内容<br>REVISION RECORD | DR.          | 日付<br>DATE | APP'D BY<br>M.SASAO    | 尺度<br>SCALE        |  |
|                            |       |           |                         |              |            | DRAWN BY<br>H.KAWABATA | CHK'D BY<br>K.TOJO | REVISE ONLY ON CAD SYSTEM                                |
|                            |       |           |                         |              |            |                        |                    | TITLE 名称<br>1.0 FPC CONN. Z.I.F. SMT<br>(BOTTOM CONTACT) |
|                            |       |           |                         |              |            |                        |                    | -LEAD FREE-  |
|                            |       |           |                         |              |            |                        |                    | DWG. NO. (SHEET 1 OF 2) REV                              |
|                            |       |           |                         |              |            |                        |                    | SD-52271-036 B   |

DWG. NO. SD-52271-036

E

D

±MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

A

8

7

6

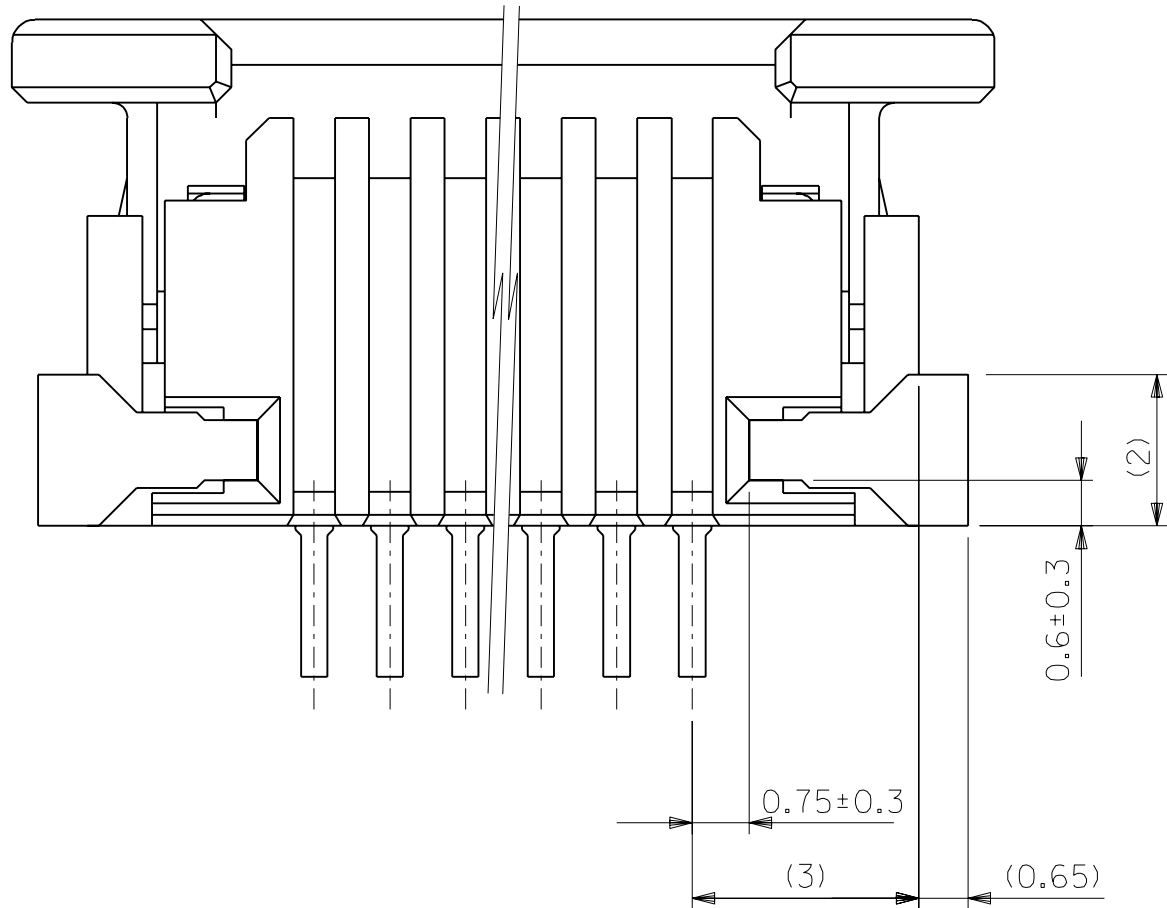
5

4

3

2

1



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-\*\*-17の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 52271-\*\*-17.

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 :THERMOSETTING BONDING AGENT

|                         |  |                               |                              |   |         |
|-------------------------|--|-------------------------------|------------------------------|---|---------|
|                         |  | MODEL NO.                     |                              | 52271-**-19   |         |
|                         |  | 材料 MATERIAL                   |                              | 注記参照 SEE NOTES  |         |
|                         |  | 仕上げ FINISH                    |                              | 注記参照 SEE NOTES  |         |
|                         |  | 適用電線範囲 WIRE RANGE             |                              | —//—  |         |
|                         |  | 被覆外径 INS. RANGE               |                              | —//—  |         |
|                         |  | DRAWN BY '04/03/12 H.KAWABATA |                              | CHK'D BY '04/03/12 K.TOJO   |         |
|                         |  | APP'D BY '04/03/12 M.SASAO    |                              | 尺度 SCALE —//—   |         |
| 角度 ANGLE                |  | ±3°                           |                              | REVISE ONLY ON CAD SYSTEM<br>TITLE 名称<br>1.0 FPC CONN. Z.I.F. SMT (BOTTON CONTACT)<br>-LEAD FREE- |         |
| 30 以上 OVER              |  | ±0.3                          | B 変更 (J2004-355)             |   |         |
| 10 以上 30 未満 OVER UNDER  |  | ±0.25                         | A 変更 (J2004-337)             |   |         |
| 10 未満 UNDER             |  | ±0.2                          | O 新規作成 RELEASED (J2004-3059) |   |         |
| 一般公差 GENERAL TOLERANCES |  | 記号 LTR                        | 変更内容 REVISION RECORD         | DR. CHK.  | 日付 DATE |

NOTES

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.)

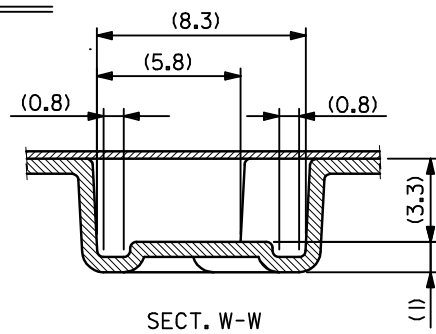
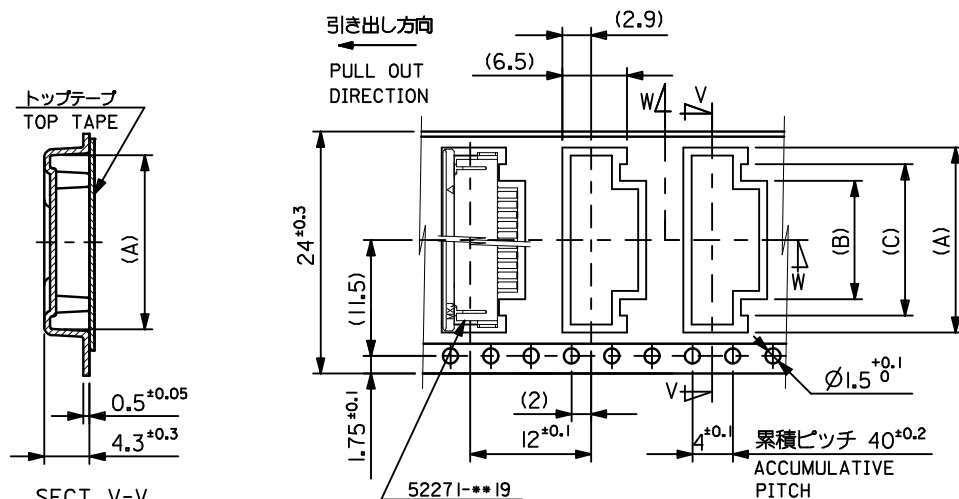
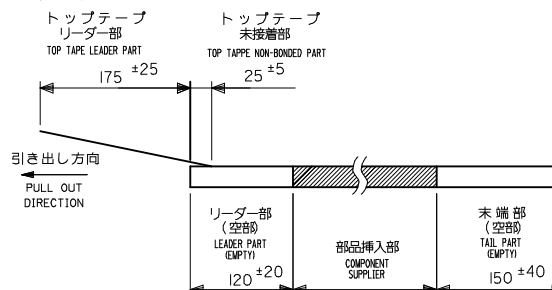
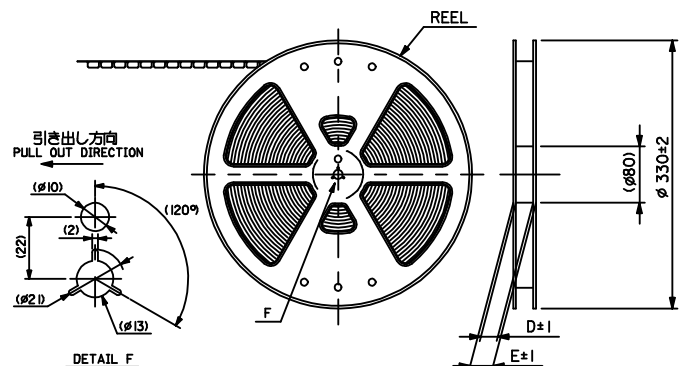
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT

PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION

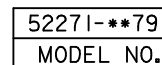
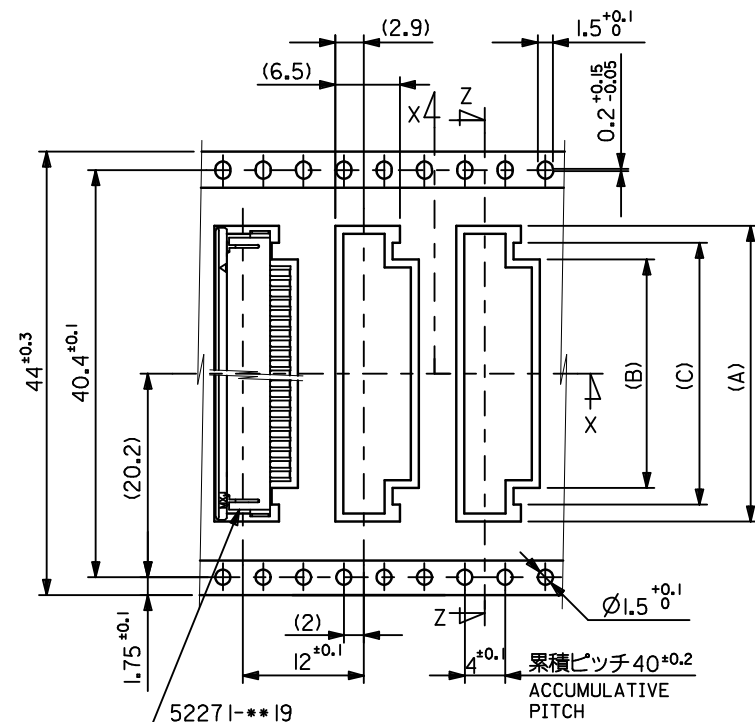
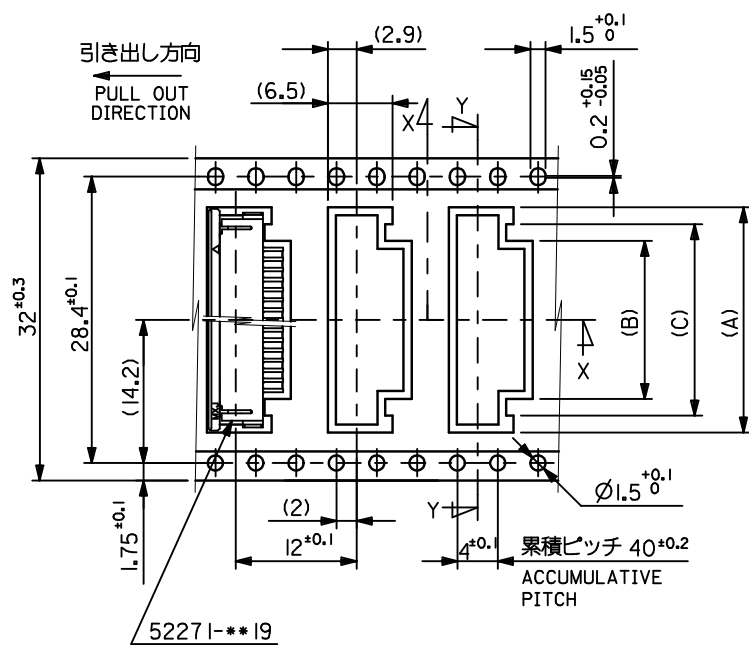


5. 材料 (MATERIAL)  
キャリアテープ (CARRIER TAPE): ポリプロピレン (POLYPROPYLENE)  
トップテープ (TOPTAPE): PET, PE, PEF  
リール (REEL): ポリスチレン (PS) <リサイクル材を含む>  
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>  
6. 本製品は52271-\*\*90の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 52271-\*\*90.  
7. 本製品は乾燥剤入り、ハイバリア梱包仕様である。  
THIS PRODUCT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



|            |                                |   |   |     |      |      |              |              |
|------------|--------------------------------|---|---|-----|------|------|--------------|--------------|
|            |                                |   |   | 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            |
| 52271-**79 |                                |   |   | 8   | 4.4  | 11.3 | 52271-0479   | 4            |
| MODEL NO.  | キャリアテープ幅<br>CARRIER TAPE WIDTH | E | D | (C) | (B)  | (A)  | MATERIAL NO. | 種 別<br>C K T |



|   |             |  |                 |  |                    |  |                        |                           |  |  |
|---|-------------|--|-----------------|--|--------------------|--|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2009-2061<br>DRAWN:TKON<br>CHKD:HATSUMOTO<br>APPR:NUKITA | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                 | DIMENSION STYLE<br>MM ONLY   |                    | SCALE<br>---   | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|   |             | 10 UNDER   | <del>±0.2</del> | DRAWN BY<br>H.KAWABATA   | DATE<br>2004/03/12 | TITLE<br>EMBOSSD TAPE PACKAGE<br>FOR 52271-**19<br>-LEAD FREE- |                        |                           |  |  |
|   |             | 10 OVER 30 UNDER   | ±0.25           | CHECKED BY<br>K.TOJO   | DATE<br>2004/03/12 |  |                        |                           |  |  |
|   |             | 30 OVER  | ±0.3            | APPROVED BY<br>M.SASAO   | DATE<br>2004/03/12 | MOLEX MOLEX INCORPORATED                                       |                        |                           |  |  |
|   |             | ANGULAR  | <del>±3</del>   | MATERIAL NO.   |                    |  |                        |                           |  |  |
|   |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                 | SEE TABLE  |                    | SD-52271-037   |                        | 1 OF 3                    |  |  |
|   |             | REV  | A               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |  |                        |                           |  |  |



| REV | DESCRIPTION   |
|-----|---|
|     | <p><b>REVISED</b></p> <p>EC NO: J2009-2061</p> <p>DRWN:TKON 2009/05/20</p> <p>CHKD:HIMATSUMOTO 2009/05/21</p> <p>APPR:NUKITA 2009/05/21</p> |

|  |                   |
|--|-------------------|
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                   |
| 10 UNDER   | <del>± 0.2</del>  |
| 10 OVER 30 UNDER   | <del>± 0.25</del> |
| 30 OVER  | <del>± 0.3</del>  |
| ANGULAR  | <del>± 3</del>    |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                   |

|                 |                       |
|-----------------|-----------------------|
| DIMENSION STYLE |                       |
| MM ONLY         |                       |
| 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       |                       |
| SIZE            | THIS DRAWING CONTAINS |
| A3              | INCORPORATED AND      |

|  |  |   |
|--|--|---|
| SCALE<br>---   | DESIGN UNITS<br>METRIC                                 |  THIRD ANGLE<br>PROJECTION |
| TITLE  | EMBOSSED TAPE PACKAGE<br>FOR 52271-**19<br>-LEAD FREE- |   |
|  MOLEX INCORPORATED |  |   |
| DOCUMENT NO.   | SD-52271-037   | SHEET NO.<br>2 OF 3   |

ALL INFORMATION THAT IS PROPRIETARY TO MOLEX  
SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

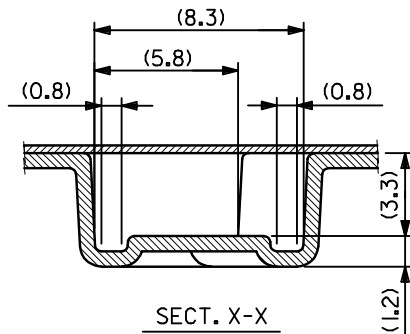
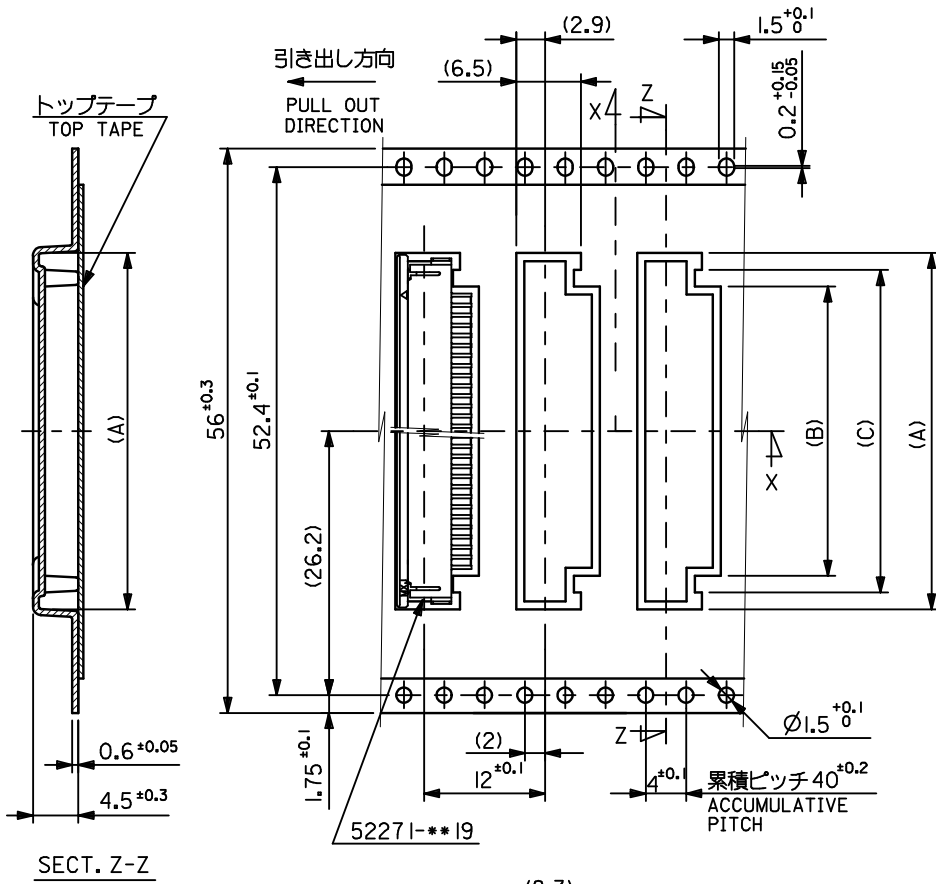
E

D

C

B

A



|                                |      |      |     |      |       |              |             |
|--------------------------------|------|------|-----|------|-------|--------------|-------------|
| 56                             | 61.4 | 57.4 | 34  | 30.4 | 37.35 | 5227I-3079   | 30          |
|                                |      |      | 33  | 29.4 | 36.35 | 5227I-2979   | 29          |
|                                |      |      | 32  | 28.4 | 35.35 | 5227I-2879   | 28          |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | E    | D    | (C) | (B)  | (A)   | MATERIAL NO. | 標 数<br>CKT. |

tb\_frame\_A3\_J\_ME\_S  
Rev. E 2006/04/15

9

8

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EN-02JA(021)

REVISED  
EC NO.: J2009-2061  
2009/05/20  
DRWN:TKN  
CH'KD:HMATSUMOTO  
2009/05/21  
APPR:NUKITA  
2009/05/21

DESCRIPTION  
REV

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

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

SIZE  
A3

SCALE  
---

MODEL NO.

5227I-\*\*79

DESIGN UNITS  
METRIC

THIRD ANGLE  
PROJECTION

EMBOSSED TAPE PAKEGE  
FOR 5227I-\*\*19  
-LEAD FREE-



MOLEX INCORPORATED

DOCUMENT NO.

SD-5227I-037

SHEET NO.

3 OF 3

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