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Part Number:

0522071060

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Right Angle, ZIF, Top Contact Style Receptacle, 10 Circuits, Lead-free, Gold Contact Plating, High Barrier Packaging

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

52207

Overview

ffc\_fpc\_smt

Product Name

N/A

Physical

Circuits (Loaded)

10

Color - Resin

Natural

Contact Position

Top

Durability (mating cycles max)

30

Entry Angle

90° Angle

Flammability

94V-0

Mated Height (in)

0.106 In

Mated Height (mm)

2.70 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

Nylon

Number of Rows

1

Orientation

Right Angle

PC Tail Length (in)

0.079 In

PC Tail Length (mm)

2.00 mm

PCB Locator

No

PCB Retention

Yes

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.039 In

Pitch - Mating Interface (mm)

1.00 mm

Polarized to PCB

Yes

Stackable

No

Temperature Range - Operating

-30°C to +85°C

Termination Interface: Style

Surface Mount

Wire/Cable Type

FFC/FPC

Electrical

Current - Maximum per Contact

1A

Voltage - Maximum

125V

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-52207-002

Product Specification

PS-52207-048, RPS-52207-073, RPS-52207-075, RPS-52207-078, RPS-52207-084, RPS-52207-090, RPS-52207-092, RPS-52207-094, RPS-52207-099, RPS-52207-101, RPS-52207-106

Sales Drawing

SD-52207-064, SD-52207-065

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

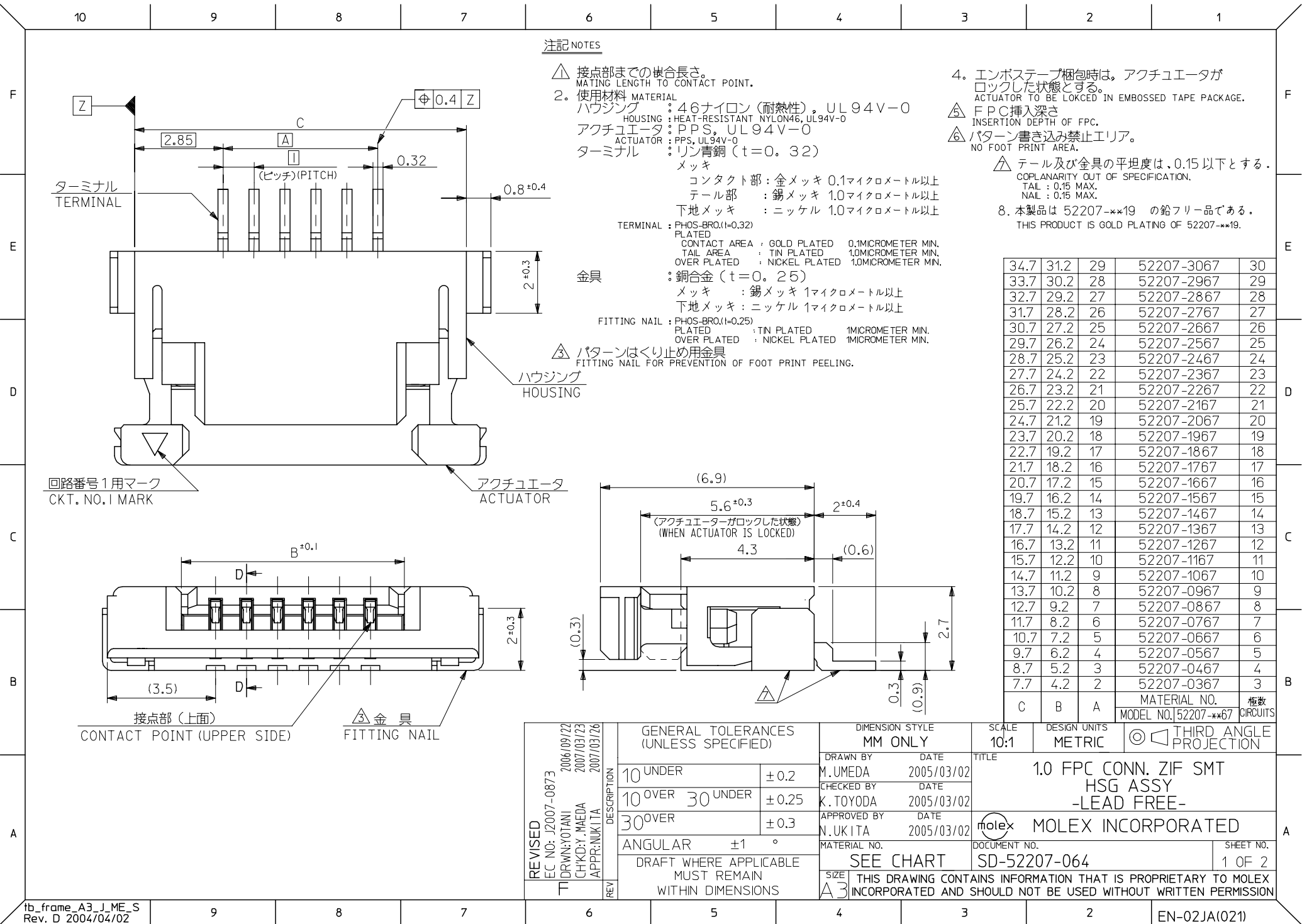
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

52207Series

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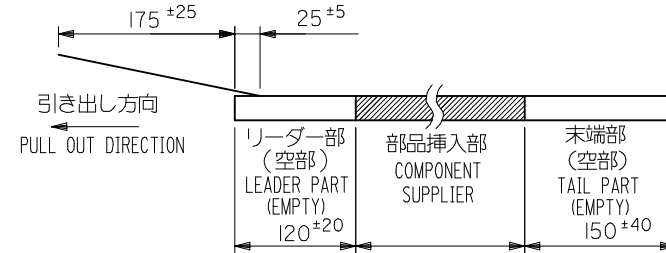
## 注記

1. 製品番号 52207-\*\*67 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-52207-064 を参照下さい。  
IN THE PACKAGE, ACTUATOR OF PART NO.52207-\*\*67 SHOULD BE LOCKED  
RE DETAILED DIMENSIONS, SEE SD-52207-064

2. 梱包数量: 1000個/リール  
NUMBER OF CONNECTORS: 1000PCS/REEL

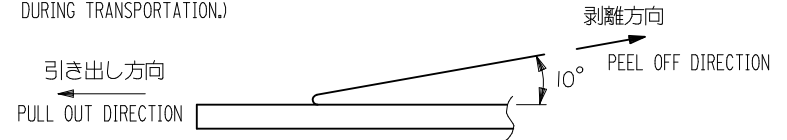
3. リードテープ長さ(LEAD TAPE LENGTH)

トップテープ TOP TAPE      トップテープ TOP TAPE  
リーダー部 LEADER PART      未接着部 NON-BONDED PART



4. 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事。)

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.)



## 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>

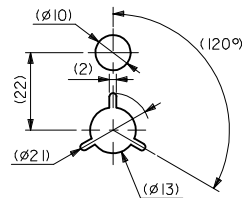
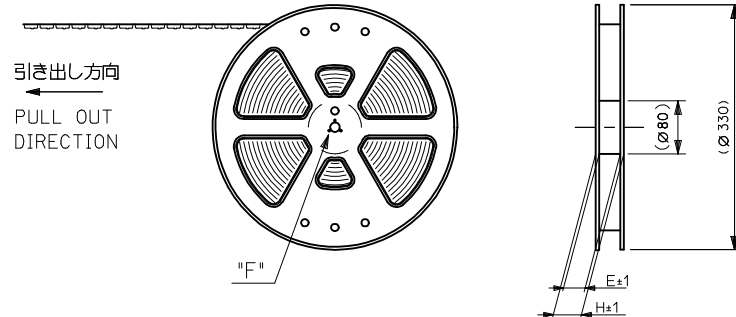
POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>

6. 本製品は 52207-\*\*85 の金メッキ品である。

THIS PRODUCT IS GOLD PLATING OF 52207-\*\*85.

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.



DETAIL "F"

MODEL No.52207-\*\*60

|                                                                              |                                                                                                                                  |                                                            |        |                        |                    |                                                                  |              |                           |           |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------|------------------------|--------------------|------------------------------------------------------------------|--------------|---------------------------|-----------|
| REVISED<br>EC NO.: J2009-2061<br>DRWN:TKON<br>CHKD:HMATSUMOTO<br>APPR:NUKITA | DESCRIPTION                                                                                                                      | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        | DIMENSION STYLE        |                    | SCALE                                                            | DESIGN UNITS | THIRD ANGLE<br>PROJECTION |           |
|                                                                              |                                                                                                                                  |                                                            |        | MM ONLY                |                    | ---                                                              | METRIC       |                           |           |
|                                                                              |                                                                                                                                  | 10 UNDER                                                   | ± 0.2  | DRAWN BY<br>M.UMEDA    | DATE<br>2005/03/03 | TITLE<br>1.0 FPC CONN. ZIF SMT<br>WITH EMBSTP PKG<br>-LEAD FREE- |              |                           |           |
|                                                                              |                                                                                                                                  | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>K.TOYODA | DATE<br>2005/03/03 |                                                                  |              |                           |           |
|                                                                              |                                                                                                                                  | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>N.UKITA | DATE<br>2005/03/03 | MOLEX INCORPORATED                                               |              |                           |           |
|                                                                              |                                                                                                                                  | ANGULAR ±1 °                                               |        | MATERIAL NO.           |                    |                                                                  |              | DOCUMENT NO.              | SHEET NO. |
|                                                                              |                                                                                                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE SHEET 2            |                    | SD-52207-065                                                     |              | 1 OF 5                    |           |
| REV                                                                          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                            |        |                        |                    |                                                                  |              |                           |           |

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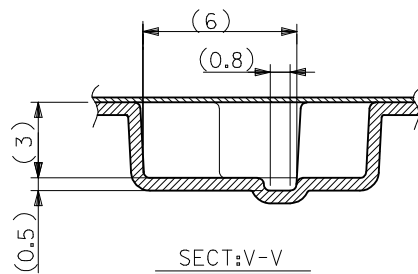
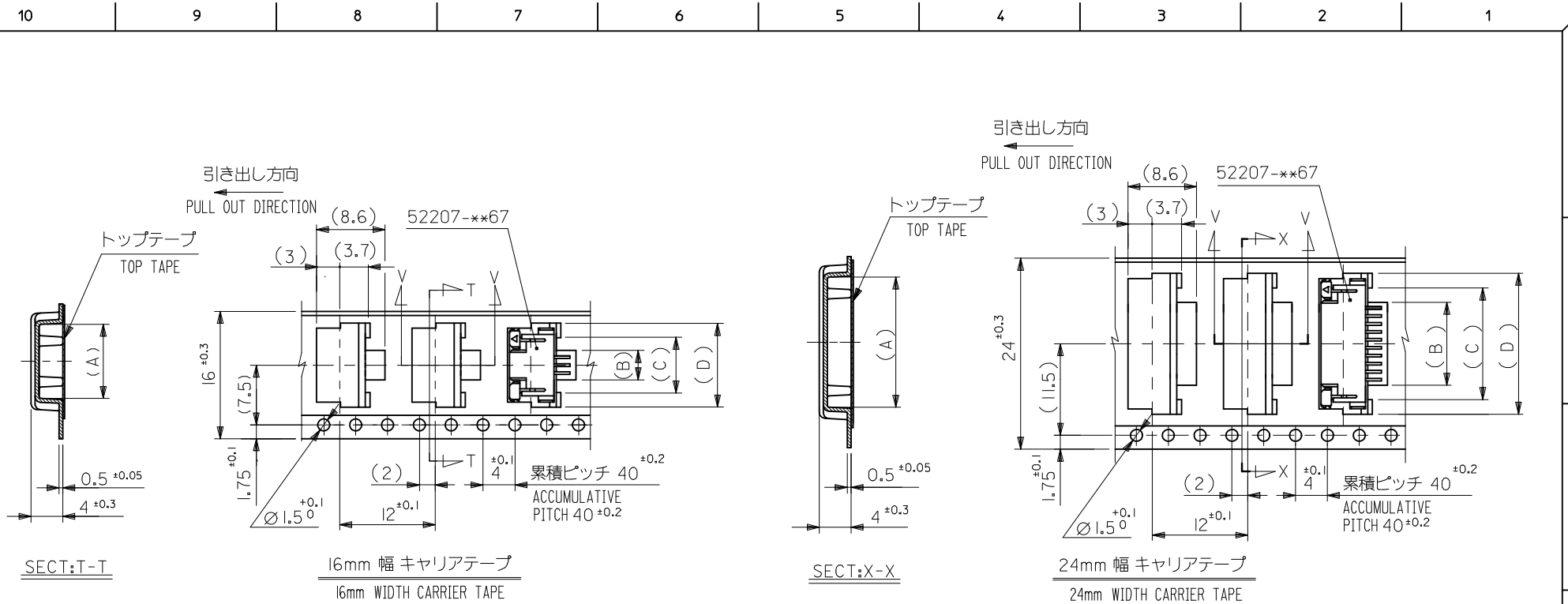
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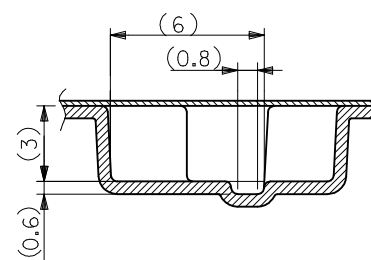
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|                                |      |      |                       |    |      |            |            |     |
|--------------------------------|------|------|-----------------------|----|------|------------|------------|-----|
| 24                             | 29.4 | 25.4 | 18.5                  | 15 | 11.7 | 17.3       | 52207-1160 | 11  |
|                                |      |      | 17.5                  | 14 | 10.7 | 16.3       | 52207-1060 | 10  |
|                                |      |      | 16.5                  | 13 | 9.7  | 15.3       | 52207-0960 | 9   |
|                                |      |      | 15.5                  | 12 | 8.7  | 14.3       | 52207-0860 | 8   |
|                                |      |      | 14.5                  | 11 | 7.7  | 13.3       | 52207-0760 | 7   |
|                                |      |      | 13.5                  | 10 | 6.7  | 12.3       | 52207-0660 | 6   |
|                                |      |      | 12.5                  | 9  | 5.7  | 11.3       | 52207-0560 | 5   |
|                                |      |      | 11.5                  | 8  | 4.7  | 10.3       | 52207-0460 | 4   |
| 16                             | 21.4 | 17.4 | 10.5                  | 7  | 3.7  | 9.3        | 52207-0360 | 3   |
| キャリアテープ幅<br>CARRIER TAPE WIDTH |      |      | H                     | E  | (D)  | (C)        | (B)        | (A) |
|                                |      |      | MATERIAL NO.          |    |      | 極数<br>CKT. |            |     |
|                                |      |      | MODEL NO. 52207-**-60 |    |      |            |            |     |

|                                                                                                         |                                                            |                                                                                                                                  |           |                            |                    |                                                                  |                        |                           |  |  |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|--------------------|------------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO.: J2009-2061<br>2009/05/20<br>DRWN:TKN<br>CHKD:HMATSUMOTO<br>2009/05/21<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                                                                                                                         | ±0.2      | DRAWN BY<br>M.UMEDA        | DATE<br>2005/03/03 | TITLE<br>1.0 FPC CONN. ZIF SMT<br>WITH EMBSTP PKG<br>-LEAD FREE- |                        |                           |  |  |
|                                                                                                         |                                                            | 10 OVER 30 UNDER                                                                                                                 | ±0.25     | CHECKED BY<br>K.TOYODA     | DATE<br>2005/03/03 |                                                                  |                        |                           |  |  |
|                                                                                                         |                                                            | 30 OVER                                                                                                                          | ±0.3      | APPROVED BY<br>N.UKITA     | DATE<br>2005/03/03 | MOLEX INCORPORATED                                               |                        |                           |  |  |
|                                                                                                         |                                                            | ANGULAR ±1 °                                                                                                                     |           | MATERIAL NO.               |                    | DOCUMENT NO.                                                     |                        | SHEET NO.                 |  |  |
|                                                                                                         | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  | SEE TABLE |                            | SD-52207-065       |                                                                  | 2 OF 5                 |                           |  |  |
|                                                                                                         | REV                                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |           |                            |                    |                                                                  |                        |                           |  |  |



SECT:Y-Y

|                                |      |      |     |     |      |     |      |       |                      |           |
|--------------------------------|------|------|-----|-----|------|-----|------|-------|----------------------|-----------|
| 32                             | 37.4 | 33.4 | 4.0 | 0.5 | 23.5 | 20  | 16.7 | 22.35 | 52207-1660           | 16        |
|                                |      |      | 4.2 | 0.6 | 22.5 | 19  | 15.7 | 21.35 | 52207-1560           | 15        |
|                                |      |      | 4.2 | 0.6 | 21.5 | 18  | 14.7 | 20.35 | 52207-1460           | 14        |
|                                |      |      | 4.2 | 0.6 | 20.5 | 17  | 13.7 | 19.35 | 52207-1360           | 13        |
|                                |      |      | 4.2 | 0.6 | 19.5 | 16  | 12.7 | 18.35 | 52207-1260           | 12        |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | H    | E    | (G) | (F) | (D)  | (C) | (B)  | (A)   | MATERIAL NO.         | 極数<br>CKT |
|                                |      |      |     |     |      |     |      |       | MODEL NO. 52207-***0 |           |

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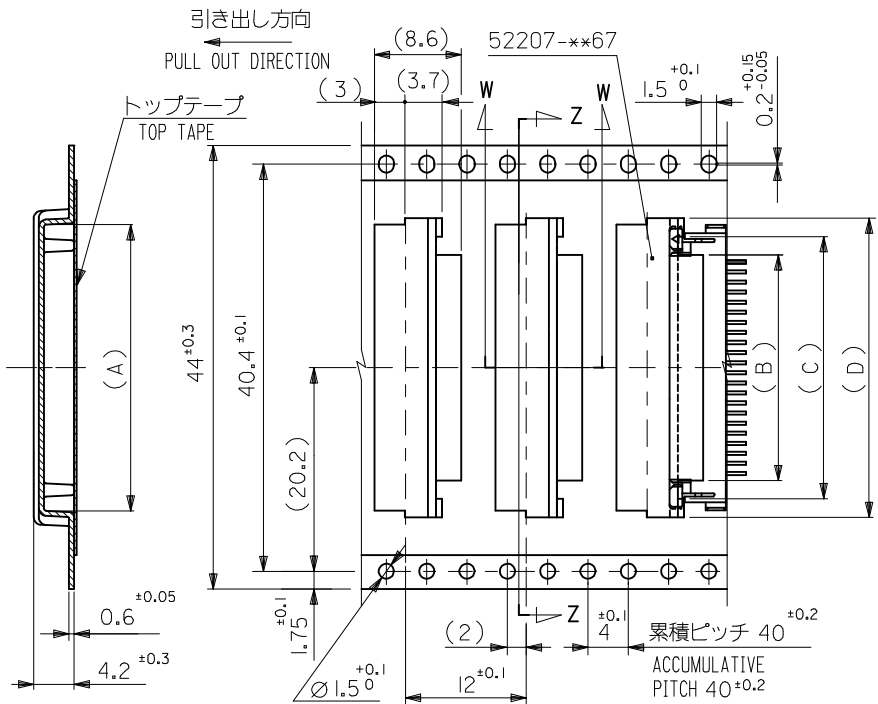
E

D

C

B

A

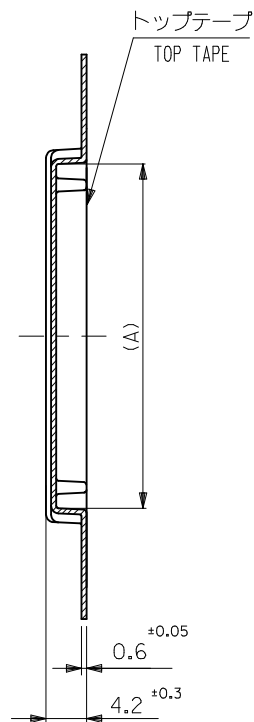


SECT:Z-Z

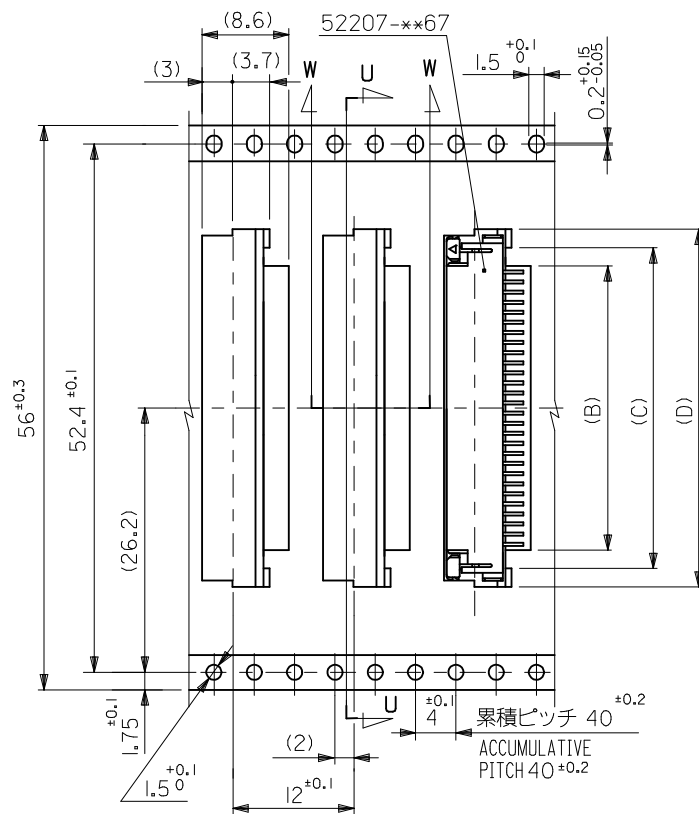
44mm 幅 キャリアテープ  
44mm WIDTH CARRIER TAPE

|                                |      |      |     |     |      |     |      |       |              |            |
|--------------------------------|------|------|-----|-----|------|-----|------|-------|--------------|------------|
| 44                             | 49.4 | 45.4 | —   | —   | 34.5 | 30  | 27.7 | 33.35 | 52207-2760   | 27         |
|                                |      |      | —   | —   | 33.5 | 30  | 26.7 | 32.35 | 52207-2660   | 26         |
|                                |      |      | —   | —   | 32.5 | 29  | 25.7 | 31.35 | 52207-2560   | 25         |
|                                |      |      | —   | —   | 31.5 | 28  | 24.7 | 30.35 | 52207-2460   | 24         |
|                                |      |      | —   | —   | 29.5 | 26  | 22.7 | 28.35 | 52207-2260   | 22         |
|                                |      |      | —   | —   | 28.5 | 25  | 21.7 | 27.35 | 52207-2160   | 21         |
|                                |      |      | —   | —   | 27.5 | 24  | 20.7 | 26.35 | 52207-2060   | 20         |
|                                |      |      | —   | —   | 26.5 | 23  | 19.7 | 25.35 | 52207-1960   | 19         |
|                                |      |      | —   | —   | 25.5 | 22  | 18.7 | 24.35 | 52207-1860   | 18         |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | H    | E    | (G) | (F) | (D)  | (C) | (B)  | (A)   | MATERIAL NO. | 極数<br>CKT. |
|                                |      |      |     |     |      |     |      |       | MODEL NO.    |            |

|                                                                                 |             |                                                            |       |                            |                                                                                                                                  |                                                                 |                        |                           |  |  |
|---------------------------------------------------------------------------------|-------------|------------------------------------------------------------|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2009-2061<br>DRWN:TKN<br>CHKD:HMATSUMOTO<br>APPR:NUKITA<br>G | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>---                                                    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                 |             | 10 UNDER                                                   | ±0.2  | DRAWN BY<br>M.UMEDA        | DATE<br>2005/03/03                                                                                                               | TITLE<br>1.0 FPC CONN ZIF SMT<br>WITH EMBSTP PKG<br>-LEAD FREE- |                        |                           |  |  |
|                                                                                 |             | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY<br>K.TOYODA     | DATE<br>2005/03/03                                                                                                               |                                                                 |                        |                           |  |  |
|                                                                                 |             | 30 OVER                                                    | ±0.3  | APPROVED BY<br>N.UKITA     | DATE<br>2005/03/03                                                                                                               | MOLEX INCORPORATED                                              |                        |                           |  |  |
|                                                                                 |             | ANGULAR ±1 °                                               |       | MATERIAL NO.               |                                                                                                                                  |                                                                 |                        |                           |  |  |
|                                                                                 |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE TABLE                  |                                                                                                                                  | SD-52207-065                                                    |                        | 4 OF 5                    |  |  |
|                                                                                 | REV         |                                                            |       | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                 |                        |                           |  |  |



SECT:U-U



56mm 幅 キャリアテープ  
56mm WIDTH CARRIER TAPE

|                                |      |      |      |     |      |       |              |         |
|--------------------------------|------|------|------|-----|------|-------|--------------|---------|
| 56                             | 61.4 | 57.4 | 37.5 | 34  | 30.7 | 36.35 | 52207-3060   | 30      |
|                                |      |      | 36.5 | 33  | 29.7 | 35.35 | 52207-2960   | 29      |
|                                |      |      | 35.5 | 32  | 28.7 | 34.35 | 52207-2860   | 28      |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | F    | E    | (D)  | (C) | (B)  | (A)   | MATERIAL NO. | CIRCUIT |

|                                                                                                                  |                                                            |                                          |              |                                                                                                                                  |              |                                                                                                          |              |                                                                                       |        |  |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|--------|--|
| REVISED<br>EC NO: J2009-2061<br>DRWN:TKN 2009/05/20<br>CHKD:HMATSUMOTO 2009/05/21<br>APPR:NUKITA 2009/05/21<br>G | DESCRIPTION                                                | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |              | DIMENSION STYLE                                                                                                                  |              | SCALE                                                                                                    | DESIGN UNITS | THIRD ANGLE PROJECTION                                                                |        |  |
|                                                                                                                  |                                                            |                                          |              | MM ONLY                                                                                                                          |              | ---                                                                                                      | METRIC       |  |        |  |
|                                                                                                                  |                                                            | 10 UNDER                                 | ± 0.2        | DRAWN BY                                                                                                                         | DATE         | TITLE<br>1.0 FPC CONN ZIF SMT<br>WITH EMBSTP PKG<br>-LEAD FREE-                                          |              |                                                                                       |        |  |
|                                                                                                                  |                                                            | 10 OVER 30 UNDER                         | ± 0.25       | CHECKED BY                                                                                                                       | DATE         |                                                                                                          |              |                                                                                       |        |  |
|                                                                                                                  |                                                            | 30 OVER                                  | ± 0.3        | APPROVED BY                                                                                                                      | DATE         |  MOLEX INCORPORATED |              |                                                                                       |        |  |
|                                                                                                                  | ANGULAR ±1 °                                               |                                          | MATERIAL NO. |                                                                                                                                  | DOCUMENT NO. |                                                                                                          |              |                                                                                       |        |  |
| REV                                                                                                              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          | SEE TABLE    |                                                                                                                                  | SD-52207-065 |                                                                                                          |              |                                                                                       | 5 OF 5 |  |
|                                                                                                                  |                                                            |                                          | SIZE<br>A3   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                                                                          |              |                                                                                       |        |  |

## Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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