

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5033763410

Status:

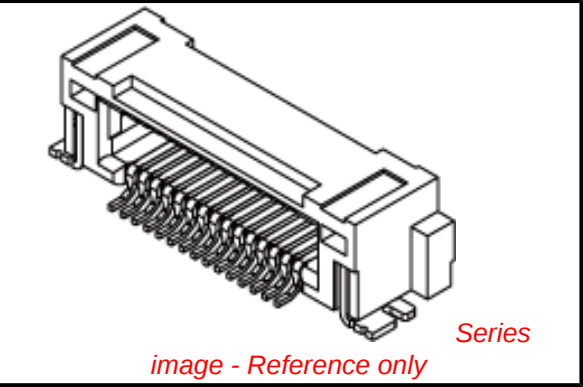
Active

Overview:

slimstack\_mm016\_pitch

Description:

0.40mm (.016") Pitch Board-to-Board SlimStack™ Plug, SMT, Dual Row, Right Angle, with Solder Tabs and Plastic Pegs, 34 Circuits



|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Documents:                    |                                                          |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-54552-023 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

|                                |                              |
|--------------------------------|------------------------------|
| General                        |                              |
| Product Family                 | PCB Headers                  |
| Series                         | 503376                       |
| Application                    | Board-to-Board               |
| Overview                       | slimstack_mm016_pitch        |
| Product Name                   | SlimStack™                   |
| Physical                       |                              |
| Breakaway                      | No                           |
| Circuits (Loaded)              | 34                           |
| Color - Resin                  | Black                        |
| Durability (mating cycles max) | 30                           |
| Glow-Wire Compliant            | No                           |
| Material - Metal               | Phosphor Bronze              |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Gold                         |
| Number of Rows                 | 2                            |
| Orientation                    | Right Angle                  |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| Packaging Type                 | Embossed Tape on Reel        |
| Pitch - Mating Interface (in)  | 0.016 In                     |
| Pitch - Mating Interface (mm)  | 0.40 mm                      |
| Temperature Range - Operating  | -40°C to +85°C               |
| Termination Interface: Style   | Surface Mount                |
| Electrical                     |                              |
| Current - Maximum per Contact  | 0.3A                         |
| Voltage - Maximum              | 30V AC (RMS)/DC              |
| Material Info                  |                              |
| Reference - Drawing Numbers    |                              |
| Packaging Specification        | SPK-503376-001               |
| Product Specification          | PS-54552-023, RPS-54552-011  |
| Sales Drawing                  | SD-503376-001, SD-503376-002 |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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.

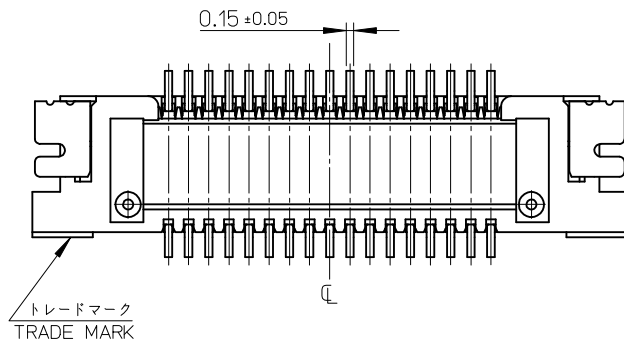
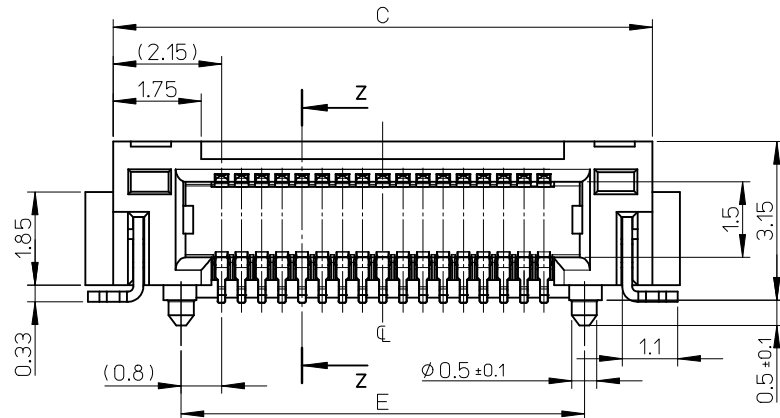
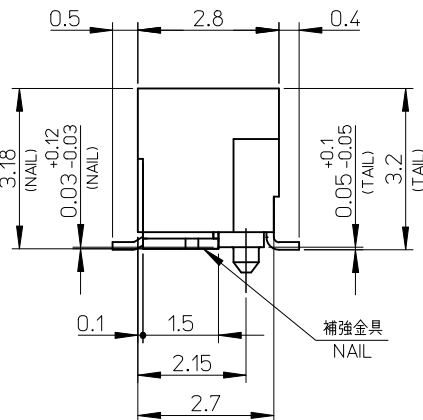
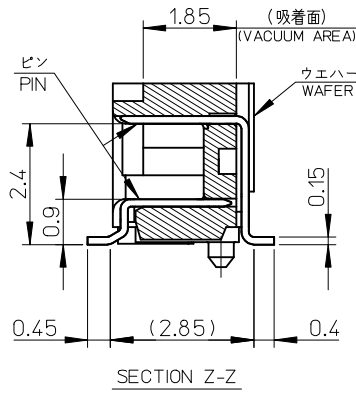
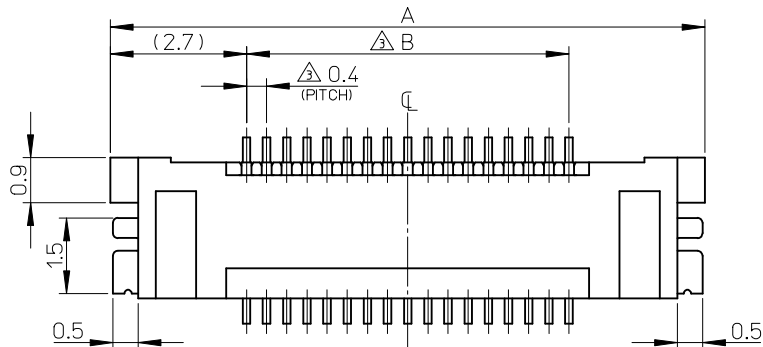
Search Parts in this Series

503376Series

Mates With

54552 PCB Receptacle

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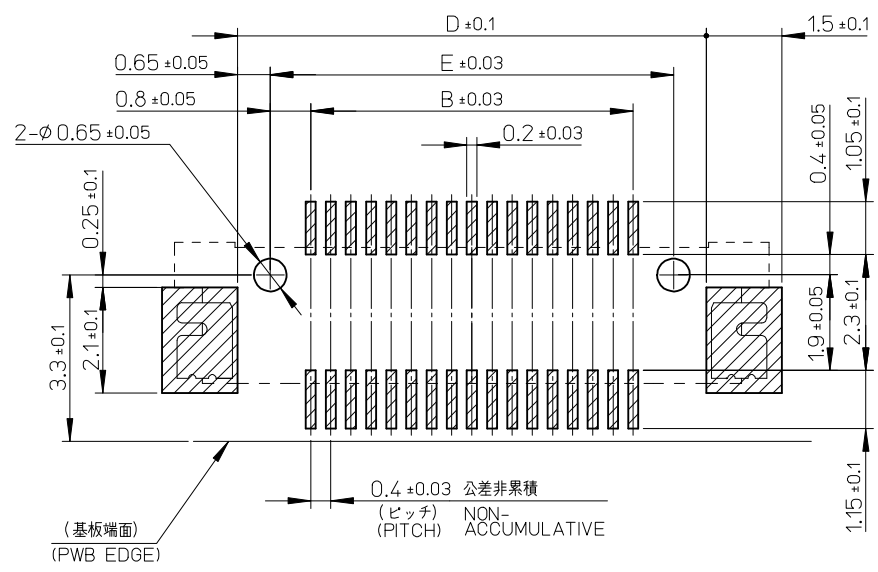
注記 NOTES

1. 使用材料 MATERIAL  
ウエハー: 液晶ポリマー ガラス充填 UL94V-0 黒色  
WAFER: LIQUID CRYSTAL POLYMER, GLASS FILLED, UL94V-0, COLOR BLACK  
ピン: リン青銅  
PIN: PHOSPHOR BRONZE  
補強金具: リン青銅  
FITTING NAIL: PHOSPHOR BRONZE
2. メッキ仕様 PLATING  
ピン PIN  
コンタクト部: 部分金めっき (0.25 µm 以上)  
テール部: 部分金めっき  
下地: ニッケルめっき (1.5 µm 以上)  
CONTACT AREA: SEPARATED GOLD PLATING (0.25 MICROMETER MINIMUM)  
SOLDER TAIL AREA: SEPARATED GOLD PLATING  
UNDERPLATE: NICKEL OVERALL (1.5 MICROMETER MINIMUM)  
補強金具 FITTING NAIL  
錫めっき (1.0 µm 以上)  
下地: ニッケルめっき (1.0 µm 以上)  
TIN PLATING (1.0 MICROMETER MINIMUM)  
UNDERPLATE: NICKEL OVERALL (1.0 MICROMETER MINIMUM)
- △ テール部に適用。  
APPLY TO THE TAIL AREA.
4. 嵌合相手: 54552 シリーズ  
MATE WITH: 54552 SERIES.
5. テール平坦度は、0.08 以下  
テール及び金具の平坦度は、0.1 以下  
TAIL COPLANARITY TO BE 0.08 MAXIMUM  
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM
6. ELV 及び RoHS 適合品  
ELV AND RoHS COMPLIANT

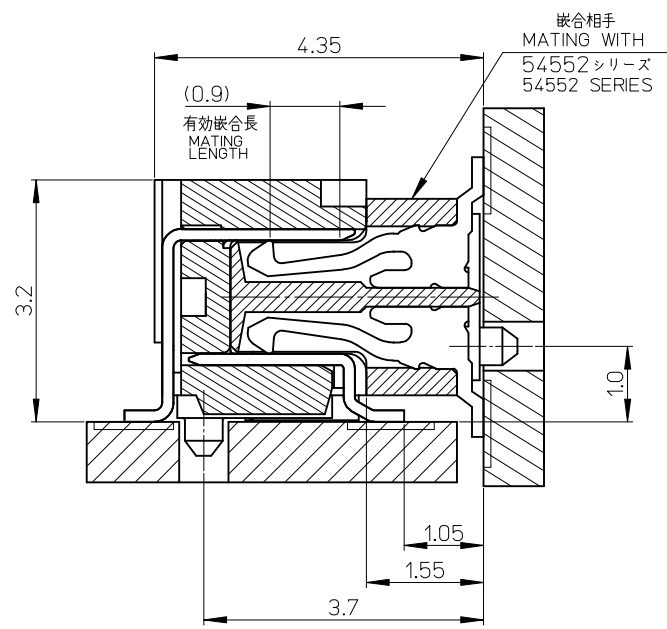
|     |      |      |     |      |                                      |                |
|-----|------|------|-----|------|--------------------------------------|----------------|
| 9.2 | 10.5 | 11.9 | 7.6 | 13.0 | 503376-4010                          | 40             |
| 8.0 | 9.3  | 10.7 | 6.4 | 11.8 | 503376-3410                          | 34             |
| 7.2 | 8.5  | 9.9  | 5.6 | 11.0 | 503376-3010                          | 30             |
| E   | D    | C    | B   | A    | EMBOSSED PACKAGE<br>オーダー番号 ORDER No. | 極数<br>CIRCUITS |

CONNECTOR SERIES No. : 503376-\*\*19

|                                                                                           |                                                                                                                                  |                                                            |        |                            |            |                                                                                                          |                        |                                                                                                                 |  |               |  |           |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------|----------------------------|------------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|---------------|--|-----------|
| REVISED<br>EC NO: J2010-0351<br>DRWN: TOSHIMA<br>CHKD: SMARUYAMA<br>APPR: MSASAO<br>REV A | DESCRIPTION<br>2009/09/04<br>2009/09/04<br>2009/09/04                                                                            | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        | DIMENSION STYLE<br>MM ONLY |            | SCALE<br>10:1                                                                                            | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |  |               |  |           |
|                                                                                           |                                                                                                                                  | 10 UNDER                                                   | ± 0.2  | M. TAKASAKI                | 2009/06/03 | TITLE<br>0.4 B-TO-B CONN. RA<br>PLUG NAIL ASSY<br>(WITH BOSS)                                            |                        |                                                                                                                 |  |               |  |           |
|                                                                                           |                                                                                                                                  | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>M. HAYASHI   | 2009/06/03 |                                                                                                          |                        |                                                                                                                 |  |               |  |           |
|                                                                                           |                                                                                                                                  | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>N. UKITA    | 2009/06/03 |  MOLEX INCORPORATED |                        |                                                                                                                 |  |               |  |           |
|                                                                                           |                                                                                                                                  | ANGULAR ±3 °                                               |        | MATERIAL NO.               |            |                                                                                                          |                        |                                                                                                                 |  | DOCUMENT NO.  |  | SHEET NO. |
|                                                                                           |                                                                                                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE CHART                  |            |                                                                                                          |                        |                                                                                                                 |  | SD-503376-001 |  | 1 OF 2    |
|                                                                                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                            |        |                            |            |                                                                                                          |                        |                                                                                                                 |  |               |  |           |



推奨基板レイアウト(マウント面)  
RECOMMENDED P.W.BOARD  
PATTERN DIMENSION. (REFERENCE)  
(MOUNTING AREA)



嵌合断面 及び ボス位置 (参考)  
MATED AND BOSS POSITION  
DRAWING(REFERENCE)

|                                                                                       |  |                    |                                                                                                                                  |  |                            |                    |                                                               |                        |                                                                                                                 |                                                                                                          |
|---------------------------------------------------------------------------------------|--|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|--------------------|---------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| REVISED<br>EC NO: J2010-0351<br>DRWN: TOSHIMA<br>CHKD: SMARUYAMA<br>APPR: MSASAO<br>A |  | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |  | DIMENSION STYLE<br>MM ONLY |                    | CONNECTOR SERIES No. : 503376-**-19                           |                        |                                                                                                                 |                                                                                                          |
|                                                                                       |  |                    | 10 UNDER ±0.2                                                                                                                    |  | DRAWN BY<br>M. TAKASAKI    | DATE<br>2009/06/03 | SCALE<br>15:1                                                 | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |                                                                                                          |
|                                                                                       |  |                    | 10 OVER 30 UNDER ±0.25                                                                                                           |  | CHECKED BY<br>M. HAYASHI   | DATE<br>2009/06/03 | TITLE<br>0.4 B-T0-B CONN. RA<br>PLUG NAIL ASSY<br>(WITH BOSS) |                        |                                                                                                                 |                                                                                                          |
|                                                                                       |  |                    | 30 OVER ±0.3                                                                                                                     |  | APPROVED BY<br>N. UKITA    | DATE<br>2009/06/03 |                                                               |                        |                                                                                                                 |  MOLEX INCORPORATED |
|                                                                                       |  |                    | ANGULAR ±3 °                                                                                                                     |  | MATERIAL NO.               |                    | DOCUMENT NO.                                                  |                        | SHEET NO.                                                                                                       |                                                                                                          |
|                                                                                       |  |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |  | SEE CHART                  |                    | SD-503376-001                                                 |                        | 2 OF 2                                                                                                          |                                                                                                          |
|                                                                                       |  |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                            |                    |                                                               |                        |                                                                                                                 |                                                                                                          |

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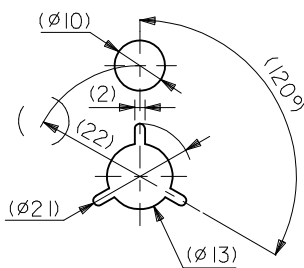
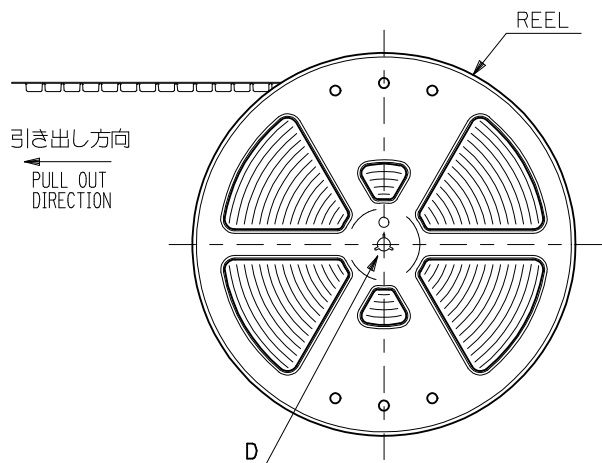
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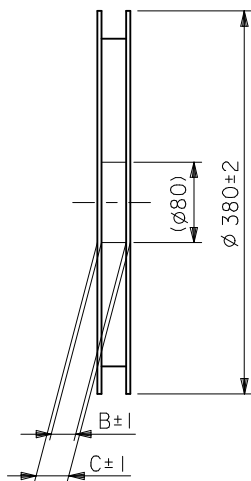
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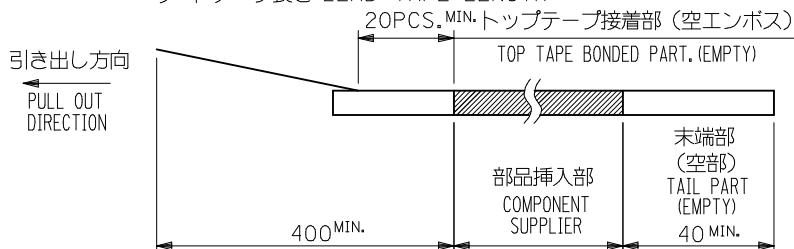


DETAIL D



## NOTES

- 製品詳細寸法については SD-503376-001 を参照ください。  
RE DETAILED DIMENSION, SEE SD-503376-001
- 梱包数量：1500個/リール  
NUMBER OF CONNECTORS : 1500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 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>
- ELV 及び RoHS適合品  
ELV AND RoHS COMPLIANT.

|              |                |
|--------------|----------------|
| 503376-4010  | 40             |
| 503376-3410  | 34             |
| 503376-3010  | 30             |
| MATERIAL NO. | 極数<br>CIRCUITS |

|                                                                                                                            |             |                                                                                                                                  |        |                            |            |                                                            |                        |                           |           |  |
|----------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|------------|------------------------------------------------------------|------------------------|---------------------------|-----------|--|
| REVISED<br>EC NO: J2010-0351<br>2009/09/04<br>DRWN: TOSHIMA<br>2009/09/04<br>CHKD: SMARUYAMA<br>2009/09/04<br>APPR: MSASAO | 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  | M. TAKASAKI                | 2009/06/03 | TITLE<br>EMBSTP PKG FOR 0.4 B/B<br>CONN. RA PLUG NAIL ASSY |                        |                           |           |  |
|                                                                                                                            |             | 10 OVER 30 UNDER                                                                                                                 | ± 0.25 | M. HAYASHI                 | 2009/06/03 |                                                            |                        |                           |           |  |
|                                                                                                                            |             | 30 OVER                                                                                                                          | ± 0.3  | N. UKITA                   | 2009/06/03 | MOLEX INCORPORATED                                         |                        |                           |           |  |
|                                                                                                                            |             | ANGULAR ± 3 °                                                                                                                    |        | MATERIAL NO.               |            | DOCUMENT NO.                                               |                        |                           | SHEET NO. |  |
|                                                                                                                            |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |        | SEE CHART                  |            | SD-503376-002                                              |                        |                           | 1 OF 2    |  |
| A                                                                                                                          | REV         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                            |            |                                                            |                        |                           |           |  |

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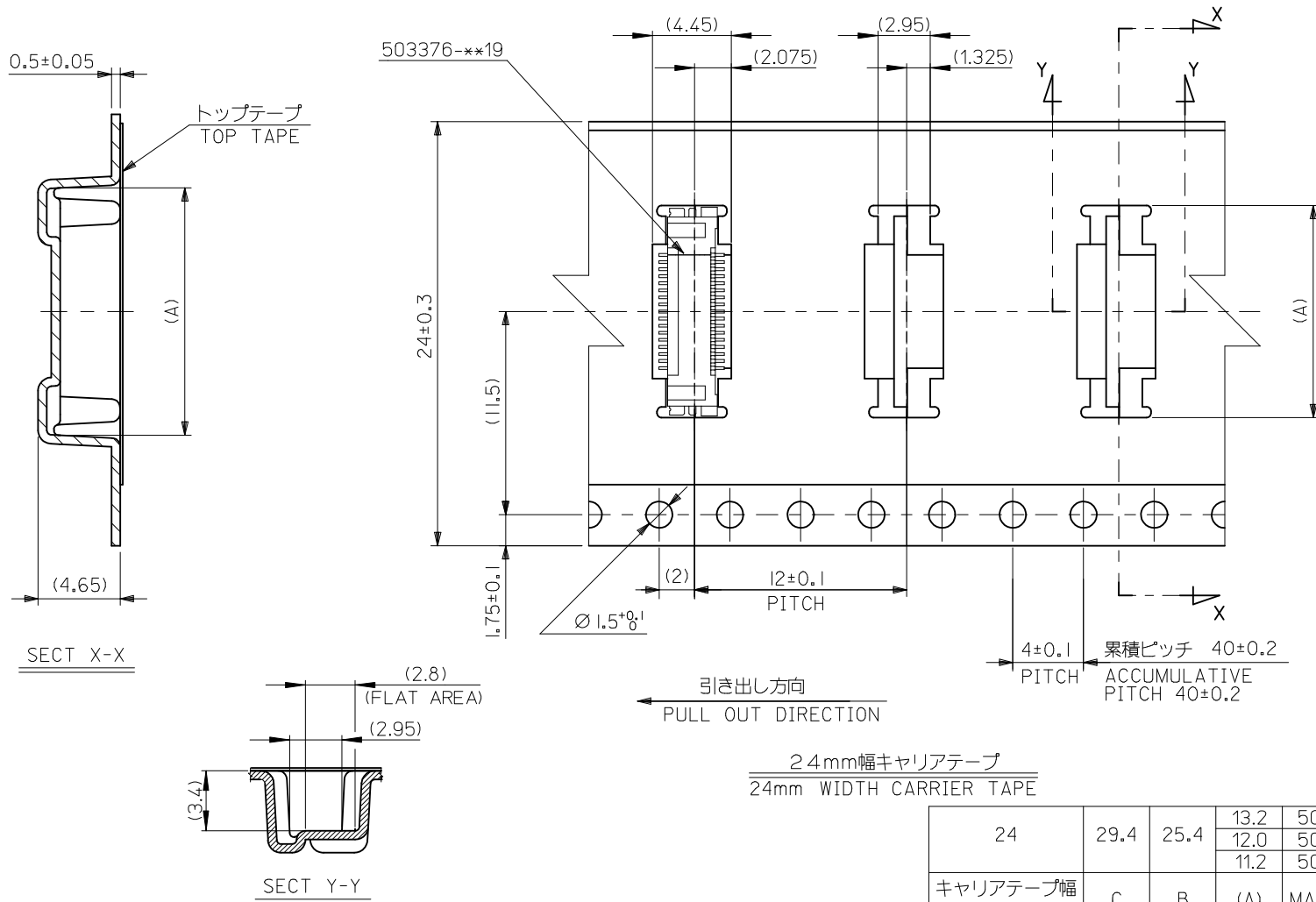
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2



24mm幅キャリアテープ  
24mm WIDTH CARRIER TAPE

|                                |      |      |      |              |                |
|--------------------------------|------|------|------|--------------|----------------|
| 24                             | 29.4 | 25.4 | 13.2 | 503376-4010  | 40             |
|                                |      |      | 12.0 | 503376-3410  | 34             |
|                                |      |      | 11.2 | 503376-3010  | 30             |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | C    | B    | (A)  | MATERIAL NO. | 極数<br>CIRCUITS |

|                                                                                                                                          |              |                                                            |              |                    |             |              |                                                            |                                                                                       |  |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------|--------------|--------------------|-------------|--------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO: J2010-0351<br>DRWN: TOSHIMA<br>CHKD: SMARUYAMA<br>APPR: MSASAO<br>A                                                    | DESCRIPTION  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |              | DIMENSION STYLE    |             | SCALE        | MODEL NO.                                                  | THIRD ANGLE                                                                           |  |
|                                                                                                                                          |              |                                                            |              | MM ONLY            |             | ---          | DESIGN UNITS                                               | PROJECTION                                                                            |  |
|                                                                                                                                          |              | 10 UNDER                                                   |              | ±0.2               | DRAWN BY    | DATE         | TITLE<br>EMBSTP PKG FOR 0.4 B/B<br>CONN. RA PLUG NAIL ASSY |  |  |
|                                                                                                                                          |              | 10 OVER 30 UNDER                                           |              | ±0.25              | CHECKED BY  | DATE         |                                                            |                                                                                       |  |
|                                                                                                                                          |              | 30 OVER                                                    |              | ±0.3               | APPROVED BY | DATE         |                                                            |                                                                                       |  |
|                                                                                                                                          | ANGULAR ±3 ° |                                                            | MATERIAL NO. | MOLEX INCORPORATED |             |              |                                                            |                                                                                       |  |
|                                                                                                                                          | REV          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |              | SEE CHART          |             | DOCUMENT NO. |                                                            | SHEET NO.                                                                             |  |
| SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                            |              | SD-503376-002      |             | 2 OF 2       |                                                            |                                                                                       |  |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<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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