

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

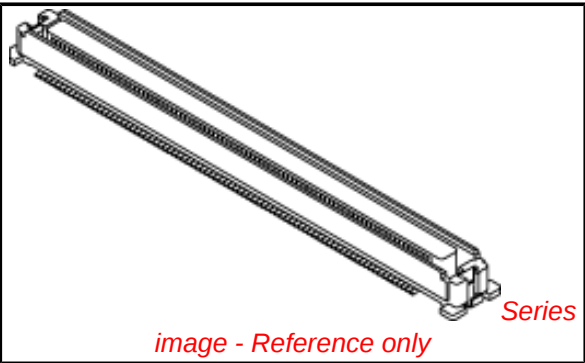
0528851674

Status:

Active

Description:

0.635mm (.025") Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical Stacking, 5.00 to 10.00mm (.197 to .394") Stacking Heights, Embossed Tape with Cover Packaging, 160 Circuits, Lead-free



|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Documents:                    |                                                          |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-52760-015 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| Agency Certification           |                                                       |
| UL                             | E29179                                                |
| General                        |                                                       |
| Product Family                 | PCB Receptacles                                       |
| Series                         | 52885                                                 |
| Application                    | Board-to-Board                                        |
| Comments                       | Stacking-Type                                         |
| Product Name                   | SlimStack™                                            |
| Physical                       |                                                       |
| Circuits (Loaded)              | 160                                                   |
| Color - Resin                  | Natural                                               |
| Durability (mating cycles max) | 50                                                    |
| Flammability                   | 94V-0                                                 |
| Glow-Wire Compliant            | No                                                    |
| Mated Height (mm)              | 10.00 mm, 5.00 mm, 6.00 mm, 7.00 mm, 8.00 mm, 9.00 mm |
| Material - Metal               | Phosphor Bronze                                       |
| Material - Plating Mating      | Gold                                                  |
| Material - Plating Termination | Tin                                                   |
| Material - Resin               | High Temperature Thermoplastic                        |
| Number of Rows                 | 2                                                     |
| Orientation                    | Vertical                                              |
| PCB Locator                    | Yes                                                   |
| PCB Retention                  | Yes                                                   |
| Packaging Type                 | Embossed Tape on Reel                                 |
| Pitch - Mating Interface (in)  | 0.025 In                                              |
| Pitch - Mating Interface (mm)  | 0.64 mm                                               |
| Plating min: Mating (µin)      | 10                                                    |
| Plating min: Mating (µm)       | 0.25                                                  |
| Plating min: Termination (µin) | 80                                                    |
| Plating min: Termination (µm)  | 2                                                     |
| Polarized to PCB               | Yes                                                   |
| Robotic Placement              | Pick and Place Cap                                    |
| Surface Mount Compatible (SMC) | N/A                                                   |
| Temperature Range - Operating  | -55°C to +85°C                                        |
| Termination Interface: Style   | Surface Mount                                         |
| Electrical                     |                                                       |
| Current - Maximum per Contact  | 0.5A                                                  |
| Voltage - Maximum              | 100V                                                  |

Material Info

Reference - Drawing Numbers

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

52885Series

Mates With

55091 , 53649 , 53643 , 53475 , 53627 , 53553 , 5 3552, 53647 , 53551 , 53481 , 53625

Product Specification

Sales Drawing

PS-52760-015, RPS-52760-017, RPS-52760-018,  
RPS-52760-020, RPS-52760-021, RPS-52760-029,  
RPS-52885-007, RPS-52885-008, RPS-52885-009  
SD-52885-003, SD-52885-004

This document was generated on 04/15/2010

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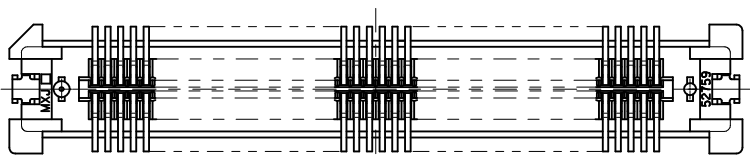
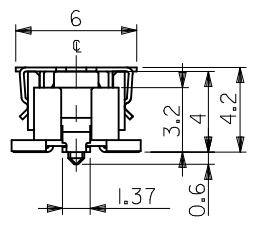
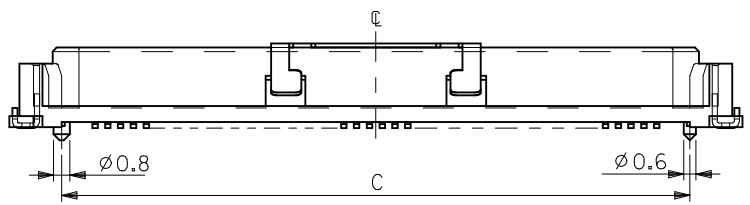
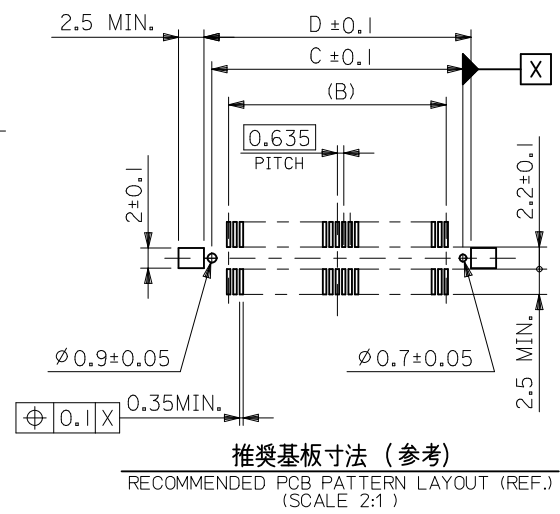
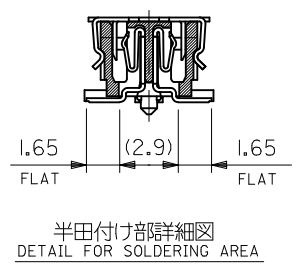
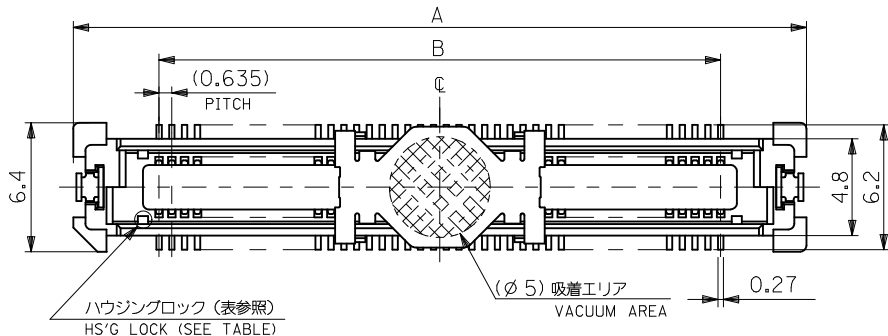
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- 注) NOTES
- 材質  
MATERIAL  
ハウジング: ガラス入りLCP, 白色, UL94V-0  
HOUSING: G.F.LCP, WHITE, UL94V-0  
ターミナル: 銅合金 (t=0.2)  
TERMINAL: COPPER ALLOY  
吸着カバー: ステンレス (t=0.2)  
VACUUM COVER: STAINLESS STEEL  
補強金具: 銅合金 (t=0.25)  
FITTING NAIL: COPPER ALLOY
  - メッキ仕様  
PLATING  
ターミナル: 接点部: 金メッキ 0.25 マイクロメートル以上  
CONTACT AREA: GOLD 0.25 MICROMETER MINIMUM  
ターミナル: 銅合金 1.0 マイクロメートル以上  
SOLDER TAIL AREA: TIN 1.0 MICROMETER MINIMUM  
下地メッキ: ニッケルメッキ 1.5 マイクロメートル以上  
UNDER-PLATING: NICKEL 1.5 MICROMETER MINIMUM  
補強金具: 銅合金 1.0 マイクロメートル以上  
FITTING NAIL: TIN 1.0 MICROMETER MINIMUM  
下地メッキ: ニッケルメッキ 1.0 マイクロメートル以上  
UNDER-PLATING: NICKEL 1.0 MICROMETER MINIMUM

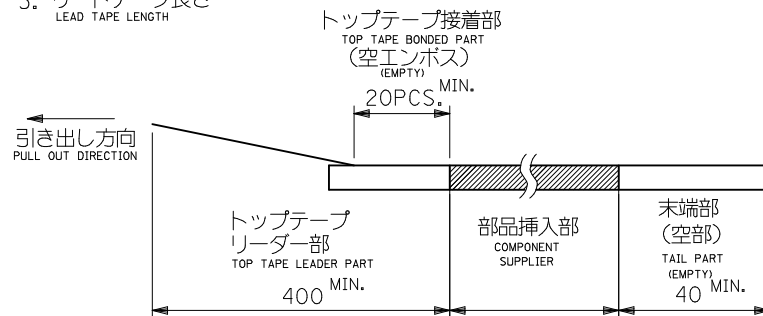
- テールのバラツキ寸法  
TAIL COPLANARITY  
240極以下品のテール平坦度は0.1MAX.、  
240極品のテール平坦度は0.12MAX.とする。  
TAILS COPLANARITY TO BE 0.1MAX.  
IN 240 CIRCUITS, TAILS COPLANARITY TO BE 0.12MAX.
- エンボス対応済みの極数については、SD-52885-004を参照下さい。  
FOR THE EMBOSSED PACKAGE PRODUCTS, SEE SD-52885-004.

|                       |       |       |        |       |                              |                |
|-----------------------|-------|-------|--------|-------|------------------------------|----------------|
| 無し<br>NO              | 80.47 | 78.87 | 75.565 | 84.07 | 52885-2474                   | 240            |
|                       | 67.77 | 66.17 | 62.865 | 71.37 | 52885-2074                   | 200            |
|                       | 55.07 | 53.47 | 50.165 | 58.67 | 52885-1674                   | 160            |
|                       | 48.72 | 47.12 | 43.815 | 52.32 | 52885-1474                   | 140            |
|                       | 42.37 | 40.77 | 37.465 | 45.97 | 52885-1274                   | 120            |
|                       | 36.02 | 34.42 | 31.115 | 39.62 | 52885-1074                   | 100            |
|                       | 32.85 | 31.25 | 27.94  | 36.45 | -0974                        | 90             |
|                       | 29.67 | 28.07 | 24.765 | 33.27 | -0874                        | 80             |
| 有り<br>YES             | 26.5  | 24.9  | 21.59  | 30.1  | -0774                        | 70             |
|                       | 23.32 | 21.72 | 18.415 | 26.92 | -0674                        | 60             |
|                       | 20.15 | 18.55 | 15.24  | 23.75 | -0574                        | 50             |
|                       | 16.97 | 15.37 | 12.065 | 20.57 | -0474                        | 40             |
|                       | 13.8  | 12.2  | 8.89   | 17.4  | -0374                        | 30             |
| ハウジングロック<br>HS/G LOCK | D     | C     | B      | A     | エンボス梱包<br>EMBOSSED PACKAGING | 極数<br>CKT. NO. |
| CONNECTORS SERIES No. |       |       |        |       | 52885-***72                  |                |

|                                                                                     |                                                       |                                                                                                                                  |       |                         |                    |                                                                 |              |                           |        |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------|--------------------|-----------------------------------------------------------------|--------------|---------------------------|--------|--|
| REVISED<br>EC NO: J2010-2458<br>DRWN:TKAIHO<br>CHKD:K. TOJO<br>APPR:MSASAO<br>REV C | DESCRIPTION<br>2010/06/04<br>2010/06/10<br>2010/06/11 | 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. NAGATA   | DATE<br>2004/02/25 | TITLE<br>0.635 PITCH B TO B<br>S/T REC. HSG ASSY<br>-LEAD FREE- |              |                           |        |  |
|                                                                                     |                                                       | 10 OVER 30 UNDER                                                                                                                 | ±0.25 | CHECKED BY<br>K. TOJO   | DATE<br>2004/02/25 |                                                                 |              |                           |        |  |
|                                                                                     |                                                       | 30 OVER                                                                                                                          | ±0.3  | APPROVED BY<br>M. SASAO | DATE<br>2004/02/25 | MOLEX INCORPORATED                                              |              |                           |        |  |
|                                                                                     |                                                       | ANGULAR ±3 °                                                                                                                     |       | MATERIAL NO.            |                    |                                                                 |              |                           |        |  |
|                                                                                     |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |       | SEE CHART               |                    | SD-52885-003                                                    |              |                           | 1 OF 1 |  |
|                                                                                     |                                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                         |                    |                                                                 |              |                           |        |  |

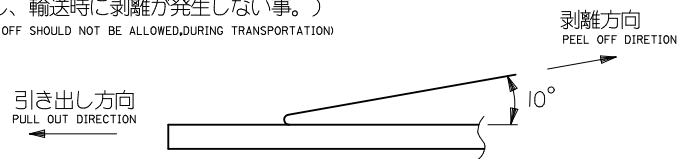
注)  
NOTES

- 製品番号 52885-\*\*72 の詳細寸法については SD-52885-003 を参照下さい。  
IN THE PACKAGE, PART NO. 52885-\*\*72 DETAILED DIMENSIONS, SEE SD-52885-003
- 梱包数量 : 1000個/リール  
NUMBER OF CONNECTORS : 1000 PCS/REEL
- リードテープ長さ  
LEAD TAPE LENGTH

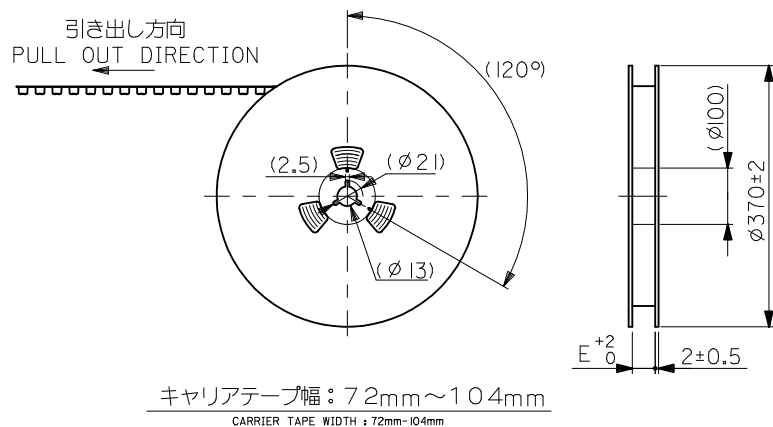
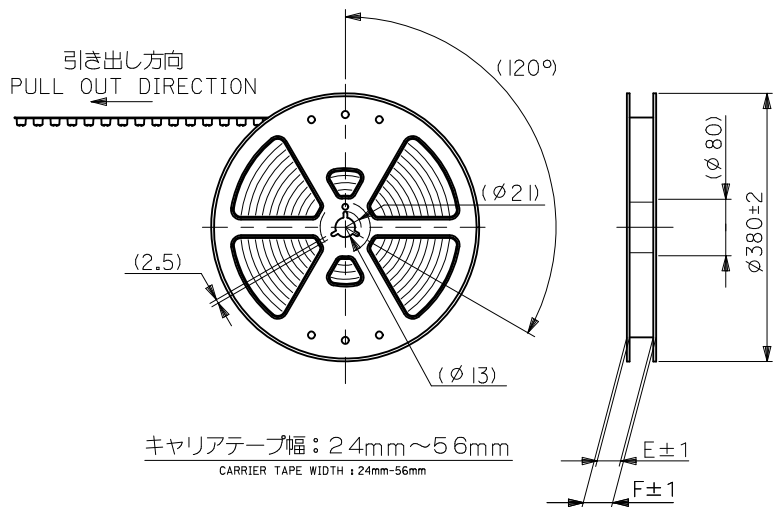


- トップテープの剥離強度 (剥離方向は下図参照)  
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)  
0.1~0.3N {10~130gf}

尚、本規格値は、出荷時に適用。  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT  
(但し、輸送時に剥離が発生しない事。)  
(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION)



- 材料  
MATERIAL  
キャリアテープ : ポリプロピレン (PP)  
CARRIER TAPE : POLYPROPYLENE (PP)  
トップテープ : PET, PE, PEF  
TOP TAPE : PET, PE, PEF  
リール : キャリアテープ幅 24mm~56mm : ポリスチレン  
REEL : CARRIER TAPE WIDTH 24mm-56mm : POLYSTYRENE  
キャリアテープ幅 72mm~104mm : 紙  
CARRIER TAPE WIDTH 72mm-104mm : CARD BOARD



|         |                   |            |             |            |              |            |             |             |                                                            |       |                                                                                                                                  |                    |                                                           |                        |                                                                                                                 |
|---------|-------------------|------------|-------------|------------|--------------|------------|-------------|-------------|------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| REVISED | EC NO: J2010-2458 | 2010/06/04 | DRWN:TKA/HO | 2010/06/10 | CHKD:K.T.OJO | 2010/06/11 | 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                                                   | ± --- | DRAWN BY<br>M.NAGATA                                                                                                             | DATE<br>2004/02/25 | TITLE<br><br>52885-***72<br>TAPING PACKAGE<br>-LEAD FREE- |                        |                                                                                                                 |
|         |                   |            |             |            |              |            |             |             | 10 OVER 30 UNDER                                           | ± --- | CHECKED BY<br>K.T.OJO                                                                                                            | DATE<br>2004/02/25 |                                                           |                        |                                                                                                                 |
|         |                   |            |             |            |              |            |             |             | 30 OVER                                                    | ± --- | APPROVED BY<br>M.SASAO                                                                                                           | DATE<br>2004/02/25 |                                                           |                        |                                                                                                                 |
|         |                   |            |             |            |              |            |             |             | ANGULAR ± --- °                                            |       | MATERIAL NO.                                                                                                                     |                    | DOCUMENT NO.                                              |                        | SHEET NO.                                                                                                       |
|         |                   |            |             |            |              |            |             |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE TABLE                                                                                                                        |                    | SD-52885-004                                              |                        | 1 OF 3                                                                                                          |
|         |                   |            |             |            |              |            |             |             |                                                            |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                           |                        |                                                                                                                 |
|         |                   |            |             |            |              |            |             |             |                                                            |       |                                                                                                                                  |                    |                                                           |                        |                                                                                                                 |

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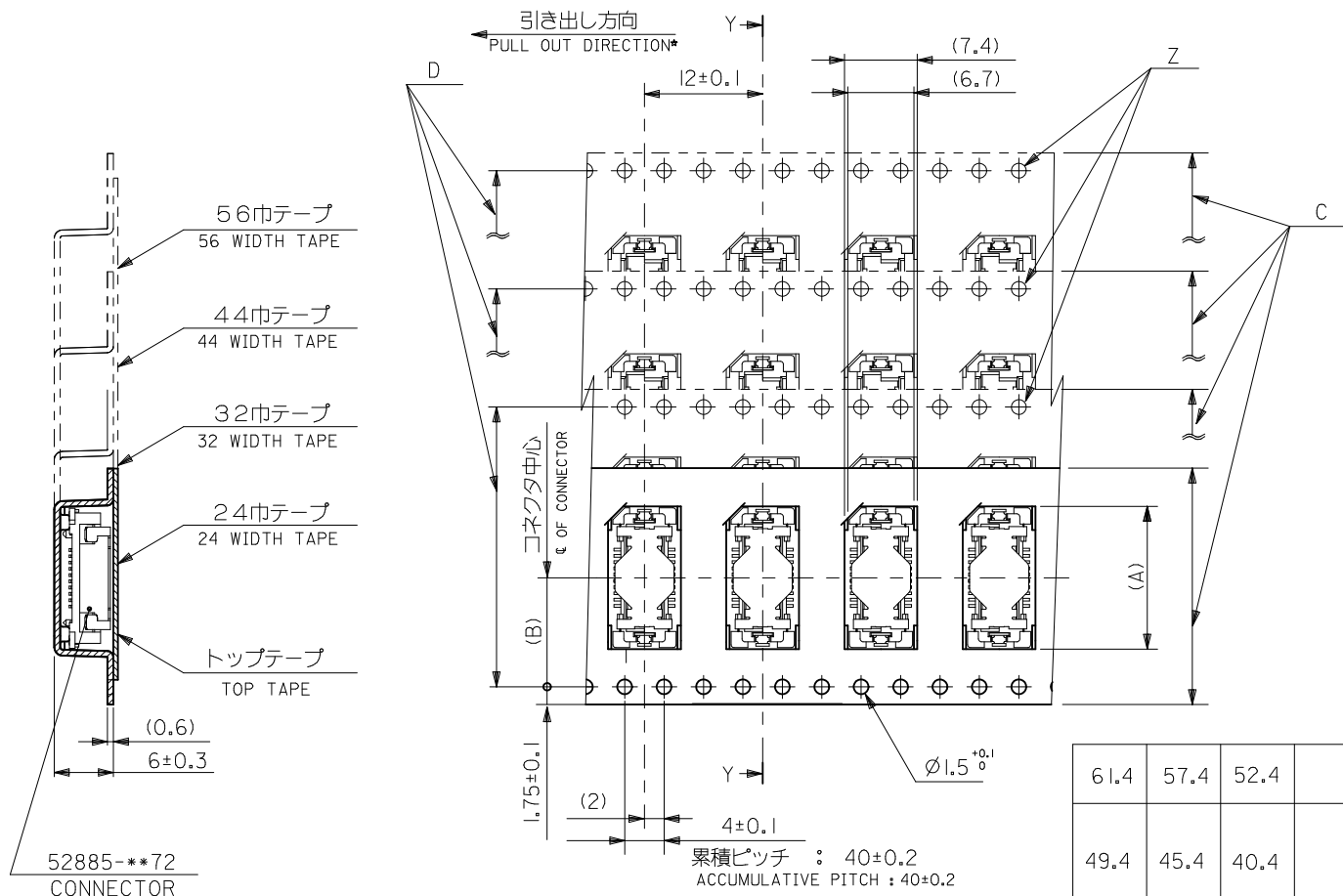
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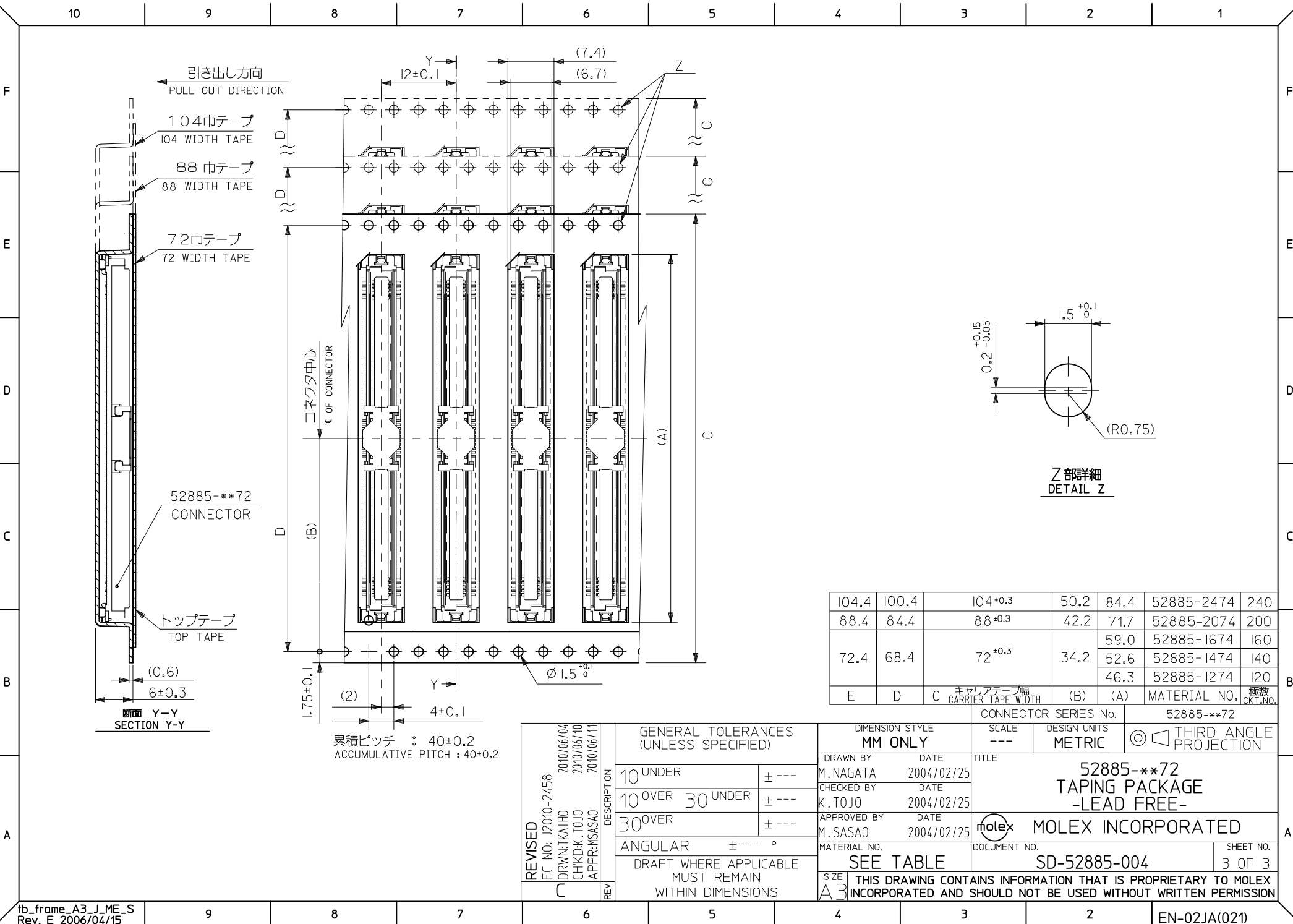
A



断面 Y-Y  
SECTION Y-Y

|      |      |      |                    |                                |      |            |                            |
|------|------|------|--------------------|--------------------------------|------|------------|----------------------------|
| 61.4 | 57.4 | 52.4 | 56 <sup>+0.3</sup> | 26.2                           | 39.9 | 52885-1074 | 100                        |
|      |      |      |                    |                                | 36.8 | -0974      | 90                         |
| 49.4 | 45.4 | 40.4 | 44 <sup>+0.3</sup> | 20.2                           | 33.6 | -0874      | 80                         |
|      |      |      |                    |                                | 30.4 | -0774      | 70                         |
|      |      |      |                    |                                | 27.2 | -0674      | 60                         |
|      |      |      |                    |                                | 24.1 | -0574      | 50                         |
| 37.4 | 33.4 | 28.4 | 32 <sup>+0.3</sup> | 14.2                           | 20.9 | -0474      | 40                         |
|      |      |      |                    |                                | 17.7 | -0374      | 30                         |
| 29.4 | 25.4 | —    | 24 <sup>+0.3</sup> | 11.5                           | 14.5 | 52885-0274 | 20                         |
| F    | E    | D    | C                  | キャリアテープ幅<br>CARRIER TAPE WIDTH | (B)  | (A)        | MATERIAL NO. 極致<br>CKT.NO. |

|                                                                                |                                                            |                                                                                                                                  |           |                            |                    |                                                                                                          |                        |                                                                                                                 |  |
|--------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|--------------------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO. J2010-2458<br>DRWN:TKA/HO<br>CHKD:K.TOJO<br>APPR:MSASAO<br>C | DESCRIPTION                                                | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |           | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>---                                                                                             | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |  |
|                                                                                |                                                            | 10 UNDER                                                                                                                         | ± ---     | DRAWN BY<br>M. NAGATA      | DATE<br>2004/02/25 | TITLE<br>52885-**72<br>TAPING PACKAGE<br>-LEAD FREE-                                                     |                        |                                                                                                                 |  |
|                                                                                |                                                            | 10 OVER 30 UNDER                                                                                                                 | ± ---     | CHECKED BY<br>K. TOJO      | DATE<br>2004/02/25 |                                                                                                          |                        |                                                                                                                 |  |
|                                                                                |                                                            | 30 OVER                                                                                                                          | ± ---     | APPROVED BY<br>M. SASAO    | DATE<br>2004/02/25 |  MOLEX INCORPORATED |                        |                                                                                                                 |  |
|                                                                                |                                                            | ANGULAR ± --- °                                                                                                                  |           | MATERIAL NO.               |                    |                                                                                                          |                        |                                                                                                                 |  |
|                                                                                | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  | SEE TABLE |                            | SD-52885-004       |                                                                                                          | 2 OF 3                 |                                                                                                                 |  |
|                                                                                | REV                                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |           |                            |                    |                                                                                                          |                        |                                                                                                                 |  |



|       |       |         |                                |      |            |                            |
|-------|-------|---------|--------------------------------|------|------------|----------------------------|
| 104.4 | 100.4 | 104±0.3 | 50.2                           | 84.4 | 52885-2474 | 240                        |
| 88.4  | 84.4  | 88±0.3  | 42.2                           | 71.7 | 52885-2074 | 200                        |
| 72.4  | 68.4  | 72±0.3  | 34.2                           | 59.0 | 52885-1674 | 160                        |
|       |       |         |                                | 52.6 | 52885-1474 | 140                        |
|       |       |         |                                | 46.3 | 52885-1274 | 120                        |
| E     | D     | C       | キャリアテープ幅<br>CARRIER TAPE WIDTH | (B)  | (A)        | MATERIAL NO. 極数<br>CKT.No. |

|                                                                                |                    |                                                            |         |                                                                                                                                  |                    |                                              |              |                                                                                       |  |           |
|--------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------|--------------|---------------------------------------------------------------------------------------|--|-----------|
| REVISED<br>EC NO: J2010-2458<br>DRWN:TKA/HO<br>CHKDK: TOJO<br>APPR:MSASAO<br>C | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |         | DIMENSION STYLE                                                                                                                  |                    | SCALE                                        | DESIGN UNITS | THIRD ANGLE<br>PROJECTION                                                             |  |           |
|                                                                                |                    |                                                            |         | MM ONLY                                                                                                                          |                    | ---                                          | METRIC       |  |  |           |
|                                                                                |                    | 10 UNDER                                                   | ± ---   | DRAWN BY<br>M.NAGATA                                                                                                             | DATE<br>2004/02/25 | 52885-***72<br>TAPING PACKAGE<br>-LEAD FREE- |              |                                                                                       |  |           |
|                                                                                |                    | 10 OVER 30 UNDER                                           | ± ---   | CHECKED BY<br>K. TOJO                                                                                                            | DATE<br>2004/02/25 |                                              |              |                                                                                       |  |           |
|                                                                                |                    | 30 OVER                                                    | ± ---   | APPROVED BY<br>M. SASAO                                                                                                          | DATE<br>2004/02/25 | molex MOLEX INCORPORATED                     |              |                                                                                       |  |           |
|                                                                                |                    | ANGULAR                                                    | ± --- ° | MATERIAL NO.                                                                                                                     |                    | DOCUMENT NO.                                 |              |                                                                                       |  | SHEET NO. |
|                                                                                |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |         | SEE TABLE                                                                                                                        |                    | SD-52885-004                                 |              |                                                                                       |  | 3 OF 3    |
|                                                                                |                    |                                                            |         | 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

**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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Факс: +7 495 668-12-70 (доб.304)

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