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**Part Number:** [0533533071](#)  
**Status:** **Active**  
**Description:** 0.80mm (.031") Pitch Header, Surface Mount, Dual Row, Vertical Stacking, 7.00 and 8.00mm (.276 and .315") Stacking Heights, Lead-free, 30 Circuits

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-52465-010 \(PDF\)](#)  
[Product Specification PS-52588-032 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family PCB Headers  
Series [53353](#)  
Application Board-to-Board  
Product Name N/A

**Physical**

Breakaway No  
Circuits (Loaded) 30  
Circuits (maximum) 30  
Durability (mating cycles max) 30  
Glow-Wire Compliant No  
Lock to Mating Part None  
Mated Height (in) 0.276 In, 0.315 In  
Mated Height (mm) 7.00 mm, 8.00 mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Number of Rows 2  
Orientation Vertical  
PCB Locator No  
PCB Retention None  
Packaging Type Embossed Tape on Reel  
Pitch - Mating Interface (in) 0.031 In  
Pitch - Mating Interface (mm) 0.80 mm  
Polarized to PCB No  
Stackable No  
Temperature Range - Operating -20°C to +105°C  
Termination Interface: Style Surface Mount

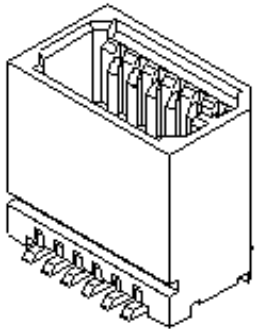
**Electrical**

Current - Maximum per Contact 0.5A  
Voltage - Maximum 50V

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-52465-010, PS-52588-032  
Sales Drawing SD-53353-003, SD-53353-004



Series  
image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
Not Reviewed  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



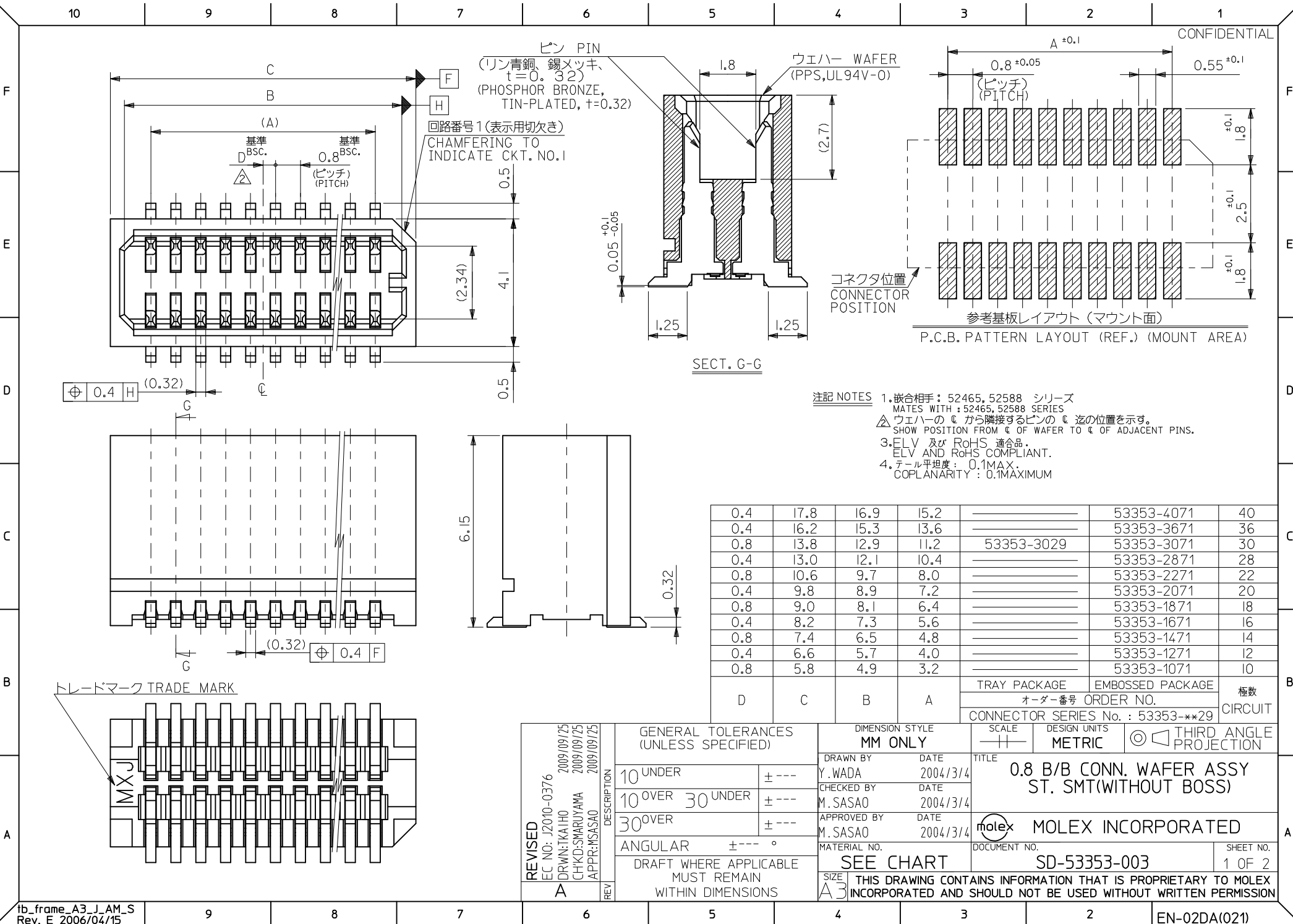
**Need more information on product environmental compliance?**

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**  
[53353Series](#)

**Mates With**  
[52465](#) PCB Receptacle, [52588](#) PCB Receptacle



ピン PIN  
(リン青銅、錫メッキ、  
t=0.32)  
(PHOSPHOR BRONZE,  
TIN-PLATED, t=0.32)

ウェハー WAFER  
(PPS,UL94V-0)

回路番号 1 (表示用切欠き)  
CHAMFERING TO  
INDICATE CKT. NO.1

コネクタ位置  
CONNECTOR  
POSITION

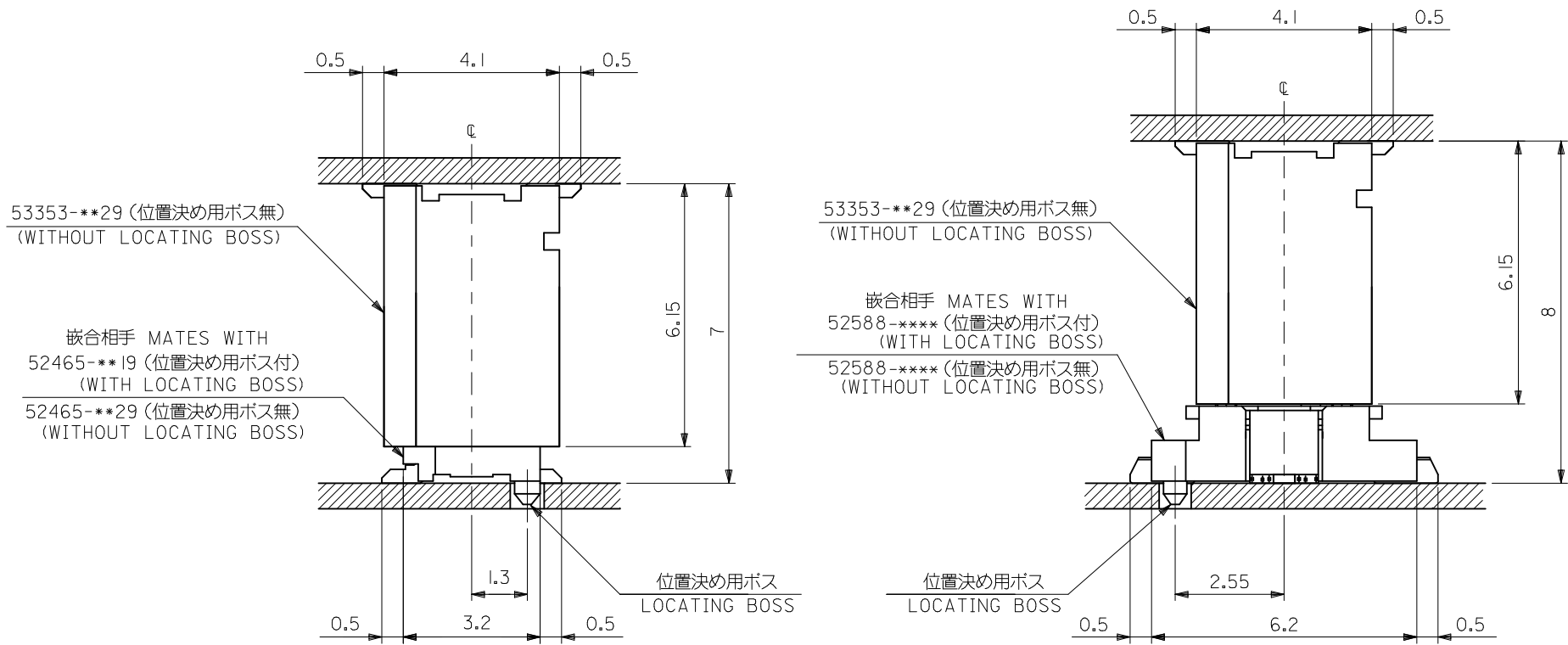
参考基板レイアウト (マウント面)  
P.C.B. PATTERN LAYOUT (REF.) (MOUNT AREA)

SECT. G-G

- 注記 NOTES
1. 嵌合相手: 52465, 52588 シリーズ  
MATES WITH: 52465, 52588 SERIES
  2. ウェハーの  $\phi$  から隣接するピンの  $\phi$  迄の位置を示す。  
SHOW POSITION FROM  $\phi$  OF WAFER TO  $\phi$  OF ADJACENT PINS.
  3. ELV 及び RoHS 適合品。  
ELV AND ROHS COMPLIANT.
  4. テール平坦度: 0.1MAX.  
COPLANARITY: 0.1MAXIMUM

|     |      |      |      |                                    |                  |         |
|-----|------|------|------|------------------------------------|------------------|---------|
| 0.4 | 17.8 | 16.9 | 15.2 |                                    | 53353-4071       | 40      |
| 0.4 | 16.2 | 15.3 | 13.6 |                                    | 53353-3671       | 36      |
| 0.8 | 13.8 | 12.9 | 11.2 | 53353-3029                         | 53353-3071       | 30      |
| 0.4 | 13.0 | 12.1 | 10.4 |                                    | 53353-2871       | 28      |
| 0.8 | 10.6 | 9.7  | 8.0  |                                    | 53353-2271       | 22      |
| 0.4 | 9.8  | 8.9  | 7.2  |                                    | 53353-2071       | 20      |
| 0.8 | 9.0  | 8.1  | 6.4  |                                    | 53353-1871       | 18      |
| 0.4 | 8.2  | 7.3  | 5.6  |                                    | 53353-1671       | 16      |
| 0.8 | 7.4  | 6.5  | 4.8  |                                    | 53353-1471       | 14      |
| 0.4 | 6.6  | 5.7  | 4.0  |                                    | 53353-1271       | 12      |
| 0.8 | 5.8  | 4.9  | 3.2  |                                    | 53353-1071       | 10      |
| D   | C    | B    | A    | TRAY PACKAGE                       | EMBOSSED PACKAGE | 極数      |
|     |      |      |      | オーダー番号                             | ORDER NO.        | CIRCUIT |
|     |      |      |      | CONNECTOR SERIES No. : 53353-**-29 |                  |         |

|                                                                                                                                  |                                                       |                                                            |       |                            |                  |                                                            |                        |                           |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|-------|----------------------------|------------------|------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2010-0376<br>DRWN:TKA IHO<br>CHKD:SMARUYAMA<br>APPR:MSASAO<br>A                                               | DESCRIPTION<br>2009/09/25<br>2009/09/25<br>2009/09/25 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       | DIMENSION STYLE<br>MM ONLY |                  | SCALE<br>1:1                                               | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                                  |                                                       | 10 UNDER                                                   | ± --- | DRAWN BY<br>Y. WADA        | DATE<br>2004/3/4 | TITLE<br>0.8 B/B CONN. WAFER ASSY<br>ST. SMT(WITHOUT BOSS) |                        |                           |  |  |
|                                                                                                                                  |                                                       | 10 OVER 30 UNDER                                           | ± --- | CHECKED BY<br>M. SASAO     | DATE<br>2004/3/4 |                                                            |                        |                           |  |  |
|                                                                                                                                  |                                                       | 30 OVER                                                    | ± --- | APPROVED BY<br>M. SASAO    | DATE<br>2004/3/4 |                                                            |                        |                           |  |  |
|                                                                                                                                  |                                                       | ANGULAR ± --- °                                            |       | MATERIAL NO.               |                  | DOCUMENT NO.                                               |                        | SHEET NO.                 |  |  |
|                                                                                                                                  |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE CHART                  |                  | SD-53353-003                                               |                        | 1 OF 2                    |  |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                       |                                                            |       |                            |                  |                                                            |                        |                           |  |  |



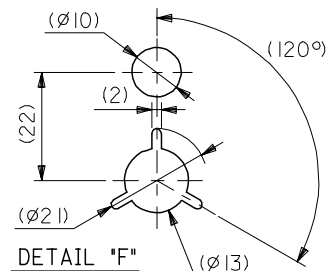
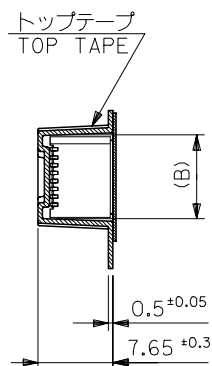
嵌合状態図 (参考)  
MATED DRAWING (REF.)

|                                                                                                                                  |             |                                                                                                                                                            |  |                                      |  |                                                            |                        |                           |
|----------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|------------------------------------------------------------|------------------------|---------------------------|
| REVISED<br>EC NO: J2010-0376<br>DRWN:TKAIHO<br>CHKD:SMRUYAMA<br>APPR:MSASAO                                                      | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                                   |  | DIMENSION STYLE<br>MM ONLY           |  | CONNECTOR SERIES No. : 53353-**29                          |                        |                           |
|                                                                                                                                  |             | 10 UNDER ± ---<br><br>10 OVER 30 UNDER ± ---<br><br>30 OVER ± ---<br><br>ANGULAR ± --- °<br><br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | DRAWN BY DATE<br>Y.WADA 2004/3/4     |  | SCALE<br>++                                                | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
|                                                                                                                                  |             |                                                                                                                                                            |  | CHECKED BY DATE<br>M.SASAO 2004/3/4  |  | TITLE<br>0.8 B/B CONN. WAFER ASSY<br>ST. SMT(WITHOUT BOSS) |                        |                           |
|                                                                                                                                  |             |                                                                                                                                                            |  | APPROVED BY DATE<br>M.SASAO 2004/3/4 |  |                                                            |                        |                           |
|                                                                                                                                  |             |                                                                                                                                                            |  | MATERIAL NO.                         |  |                                                            |                        |                           |
|                                                                                                                                  | REV         |                                                                                                                                                            |  | SIZE<br>A3                           |  | MOLEX INCORPORATED<br>SD-53353-003<br>2 OF 2               |                        |                           |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |                                                                                                                                                            |  |                                      |  |                                                            |                        |                           |

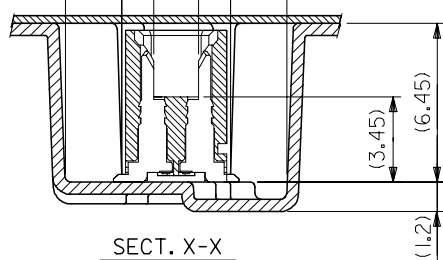
10 9 8 7 6 5 4 3 2 1

引き出し方向  
PULL OUT DIRECTION

REEL

引き出し方向  
PULL OUT DIRECTION

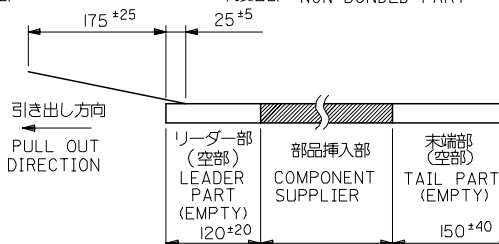
(2.3) (4.4) (2.3)

16mm幅キャリアテープ  
16mm WIDTH CARRIER TAPE累積ピッチ 40<sup>+0.2</sup>  
ACCUMULATIVE  
PITCH 40<sup>+0.2</sup>

## 注記 NOTES

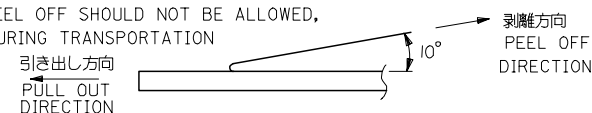
1. 梱包数量: 1000個/リール NUMBER OF CONNECTORS: 1000PCS/REEL  
 2. リードテープ長さ LEAD TAPE LENGTH

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



3. トップテープの剥離強度: (剥離方向は下図参照)  
 0. 1~1. 3N {10~130gf} 尚、本規格値は、出荷時に適用。  
 (但し、輸送時に剥離が発生しない事。)

PEELING OFF FORCE OF TOP TAPE  
 0. 1~1. 3N {10~130gf} (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)  
 THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT  
 PEEL OFF SHOULD NOT BE ALLOWED,  
 DURING TRANSPORTATION



4. 材料 MATERIAL  
 キャリアテープ: ポリプロピレン (PP) CARRIER TAPE: POLYPROPYLENE  
 トップテープ: PET, PE, PEF TOP TAPE: PET, PE, PEF  
 リール: ポリスチレン (PS) REEL: POLYSTYRENE (PS)  
 <リサイクル材を含む> <RECYCLE MATERIAL CONTAINED>

5. 本製品は53353-\*\*-91の鉛フリー品である。  
 THIS PRODUCT IS LEAD FREE OF 53353-\*\*-91.

|                                |      |      |     |     |              |               |
|--------------------------------|------|------|-----|-----|--------------|---------------|
| 16                             | 21.4 | 17.4 | 8.5 | 6.7 | 53353-1671   | 16            |
|                                |      |      | 7.7 | 5.9 | 53353-1471   | 14            |
|                                |      |      | 6.9 | 5.1 | 53353-1271   | 12            |
|                                |      |      | 6.1 | 4.3 | 53353-1071   | 10            |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | D    | C    | (B) | (A) | MATERIAL NO. | 極数<br>CIRCUIT |

MODEL NO. 53353-\*\*-71  
 DESIGN UNITS METRIC  
 THIRD ANGLE PROJECTION

|                                                                                |                                                       |                                                                                                                                  |       |                            |                    |                                                                                  |                        |                        |                           |
|--------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|--------------------|----------------------------------------------------------------------------------|------------------------|------------------------|---------------------------|
| REVISED<br>EC NO: J2005-2/59<br>DRW: KENSUJUKI<br>CHKD: NUKITA<br>APPR: NUKITA | DESCRIPTION<br>2005/01/26<br>2005/01/26<br>2005/02/02 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |       | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>---                                                                     | DESIGN UNITS<br>METRIC | MODEL NO.<br>53353-004 | THIRD ANGLE<br>PROJECTION |
|                                                                                |                                                       | 10 UNDER                                                                                                                         | ±0.2  | DRAWN BY<br>YWADA          | DATE<br>2004/03/04 | TITLE<br>0.8 BTB CONN WAFER ASSY<br>ST SMT WITHOUT BOSS<br>EMBTP PKG -LEAD FREE- |                        |                        |                           |
|                                                                                |                                                       | 10 OVER 30 UNDER                                                                                                                 | ±0.25 | CHECKED BY<br>MSASAO       | DATE<br>2004/03/04 |                                                                                  |                        |                        |                           |
|                                                                                |                                                       | 30 OVER                                                                                                                          | ±0.3  | APPROVED BY<br>MSASAO      | DATE<br>2004/03/04 | MOLEX INCORPORATED                                                               |                        |                        |                           |
|                                                                                |                                                       | ANGULAR ±3 °                                                                                                                     |       | MATERIAL NO.               |                    |                                                                                  |                        |                        |                           |
|                                                                                |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |       | SEE CHART                  |                    | SD-53353-004                                                                     |                        | 1 OF 2                 |                           |
| A                                                                              | REV                                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                            |                    |                                                                                  |                        |                        |                           |

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

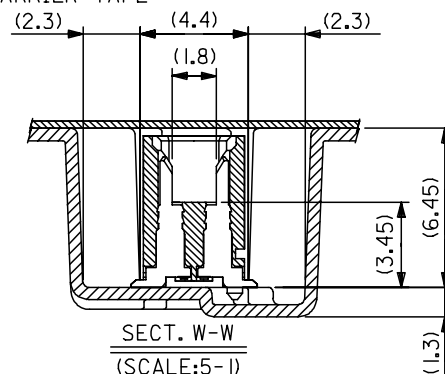
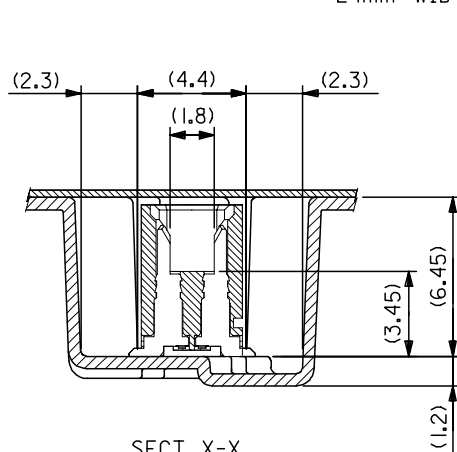
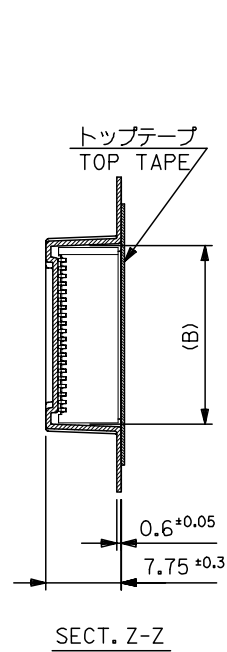
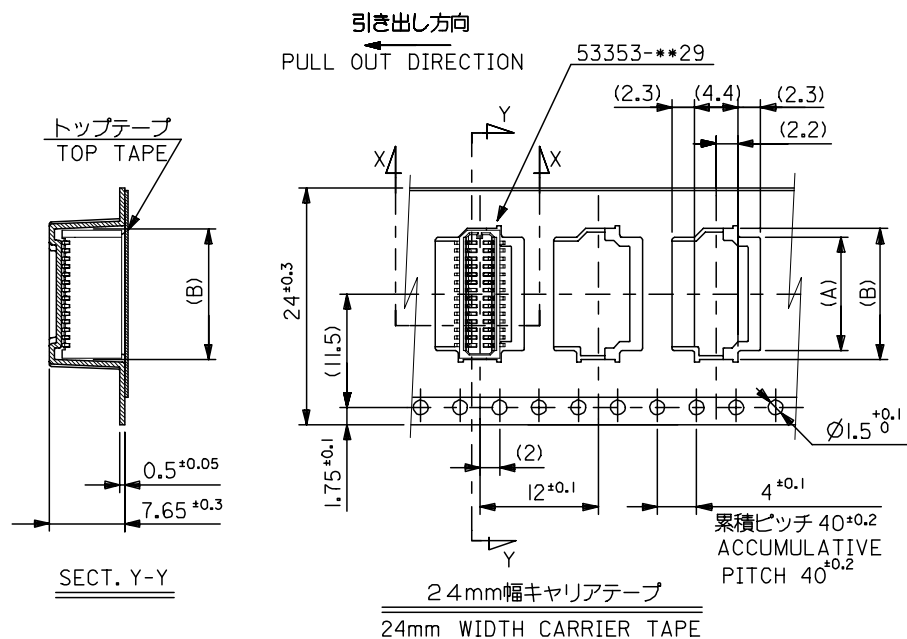
E

D

C

B

A



| 32mm幅キャリアテープ                   |      |      |      |      | PITCH 40     |               |
|--------------------------------|------|------|------|------|--------------|---------------|
| 32mm WIDTH CARRIER TAPE        |      |      |      |      |              |               |
| 32                             | 37.4 | 33.4 | 18.1 | 16.3 | 53353-4071   | 40            |
|                                |      |      | 16.5 | 14.7 | 53353-3671   | 36            |
| 24                             | 29.4 | 25.4 | 14.1 | 12.3 | 53353-3071   | 30            |
|                                |      |      | 13.3 | 11.5 | 53353-2871   | 28            |
|                                |      |      | 10.9 | 9.1  | 53353-2271   | 22            |
|                                |      |      | 10.1 | 8.3  | 53353-2071   | 20            |
|                                |      |      | 9.3  | 7.5  | 53353-1871   | 18            |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | D    | C    | (B)  | (A)  | MATERIAL NO. | 極数<br>CIRCUIT |

|                                                                                  |  |                                          |  |                                                                                                                                  |  |                    |  |                                                                                  |  |                              |  |
|----------------------------------------------------------------------------------|--|------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|----------------------------------------------------------------------------------|--|------------------------------|--|
| REVISED<br>EC NO: J2005-2/59<br>DRAWN: KENSUJUKI<br>CHKD: NUKITA<br>APPR: NUKITA |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY                                                                                                       |  | SCALE<br>---       |  | DESIGN UNITS<br>METRIC                                                           |  | MODEL NO.<br>53353-**-71     |  |
| 10 UNDER                                                                         |  | $\pm 0.2$                                |  | DRAWN BY<br>YWADA                                                                                                                |  | DATE<br>2004/03/04 |  | TITLE<br>0.8 BTB CONN WAFER ASSY<br>ST SMT WITHOUT BOSS<br>EMBTP PKG -LEAD FREE- |  | THIRD ANGLE<br>PROJECTION    |  |
| 10 OVER 30 UNDER                                                                 |  | $\pm 0.25$                               |  | CHECKED BY<br>MSASAO                                                                                                             |  | DATE<br>2004/03/04 |  | APPROVED BY<br>MSASAO                                                            |  | DATE<br>2004/03/04           |  |
| 30 OVER                                                                          |  | $\pm 0.3$                                |  | APPROVED BY<br>MSASAO                                                                                                            |  | DATE<br>2004/03/04 |  | MATERIAL NO.                                                                     |  | DOCUMENT NO.<br>SD-53353-004 |  |
| ANGULAR                                                                          |  | $\pm 3^\circ$                            |  | MATERIAL NO.                                                                                                                     |  | DATE               |  | SHEET NO.<br>2 OF 2                                                              |  |                              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                       |  | SEE CHART                                |  | 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.**

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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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