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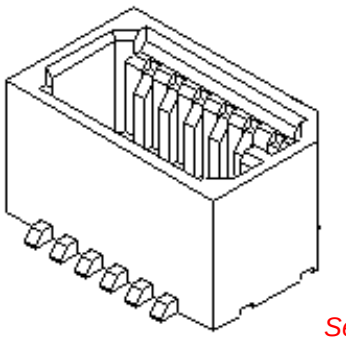
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0533071271

**Status:** Active

**Description:** 0.80mm (.031") Pitch Header, Surface Mount, Dual Row, Vertical Stacking, 4.50 and 5.50mm (.177 and .217") Stacking Heights, Lead-free, 12 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-52465-015 (PDF)
RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 53307 |
| Application | Board-to-Board |
| Product Name | N/A |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| Color - Resin | Natural |
| First Mate / Last Break | No |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Mated Height (in) | 0.177 In, 0.217 In |
| Mated Height (mm) | 4.50 mm, 5.50 mm |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| 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 |
| Plating min: Mating (µin) | 120 |
| Plating min: Mating (µm) | 3 |
| Plating min: Termination (µin) | 120 |
| Plating min: Termination (µm) | 3 |
| Polarized to PCB | No |
| Shrouded | Fully |
| 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

| | |
|---|---|
| Packaging Specification | SPK-53307-001 |
| Product Specification | PS-52465-015, RPS-52465-042, RPS-52465-052 |

**EU RoHS**
**ELV and RoHS Compliant**
**REACH SVHC**
**Contains SVHC: No**
**Halogen-Free Status**
**Not Reviewed**

**China RoHS**

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

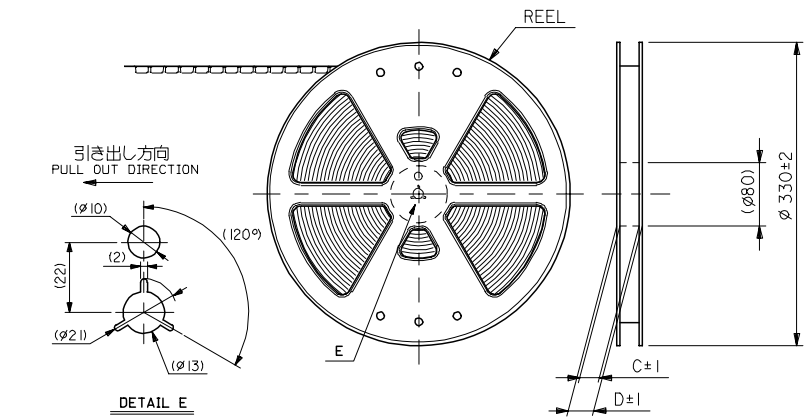
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

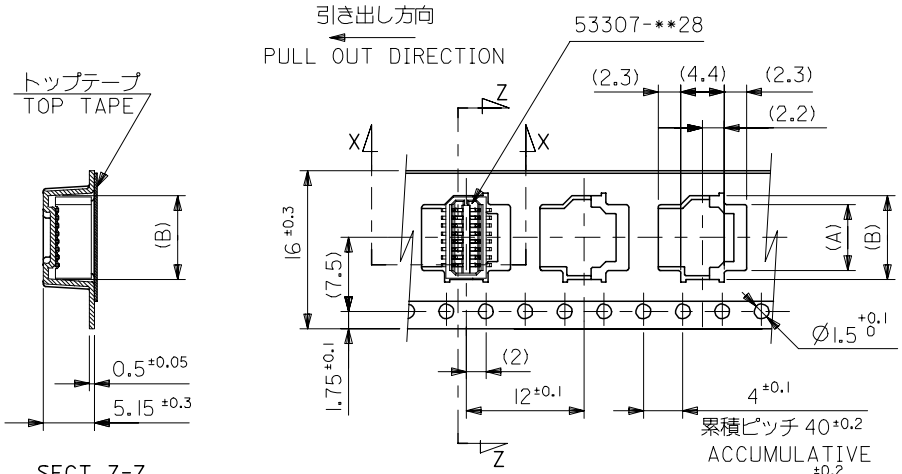
**Search Parts in this Series**
53307Series

**Mates With**
Board-to-Board Receptacle 52465 , 52588

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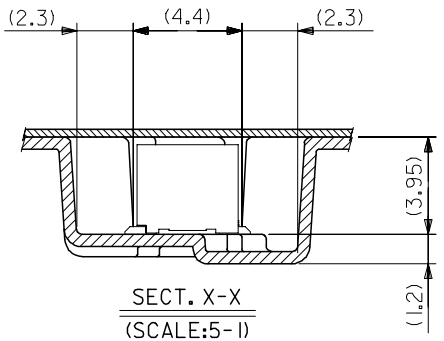

DETAIL E




SECT. Z-Z

16mm幅キャリアテープ

16mm WIDTH CARRIER TAPE

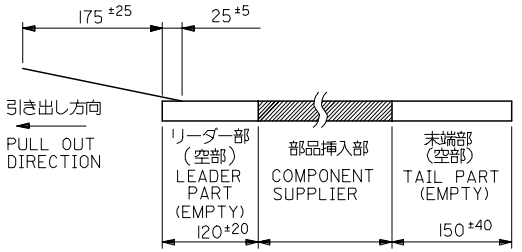



SECT. X-X

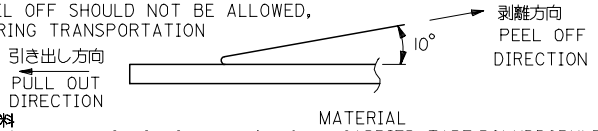
(SCALE:5-1)

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




3. トップテープの剥離強度：（剥離方向は下図参照）
   0.1N～1.3N {10gf～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
   0.1N～1.3N{10gf～130gf}　(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
   THIS REQUIREMENT SHOULD BE APPLITED AT SHIPMENT
   PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION




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

5. 本製品は　53307-**91　の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 53307-**91

| 53307-**71 MODEL.NO. | キャリアテープ幅 CARRIER TAPE WIDTH | D | C | (B) | (A) | MATERIAL. NO. | 極数 CIRCUIT |
|---|---|---|---|---|---|---|---|
| | 16 | 21.4 | 17.4 | 9.3 | 7.5 | 53307-1871 | 18 |
| | | | | 8.5 | 6.7 | 53307-1671 | 16 |
| | | | | 7.7 | 5.9 | 53307-1471 | 14 |
| | | | | 6.9 | 5.1 | 53307-1271 | 12 |
| | | | | 6.1 | 4.3 | 53307-1071 | 10 |

REVISED
EC NO: J2006-0187 2005/08/01
DRWN:YOTANI 2005/08/02
CHKD:NUKITA 2005/08/18
APPR:NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR | ±3 ° |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | |
|---|---|---|
| DRAWN BY | HSHIMABUKURO | DATE 2004/02/09 |
| CHECKED BY | KTOJO | DATE 2004/02/09 |
| APPROVED BY | MSASAO | DATE 2004/02/09 |
| MATERIAL NO. | SEE CHART | |

TITLE: 0.8 B-TO-B WAFER ASSY SMT EMBSTP PKG -LEAD FREE-

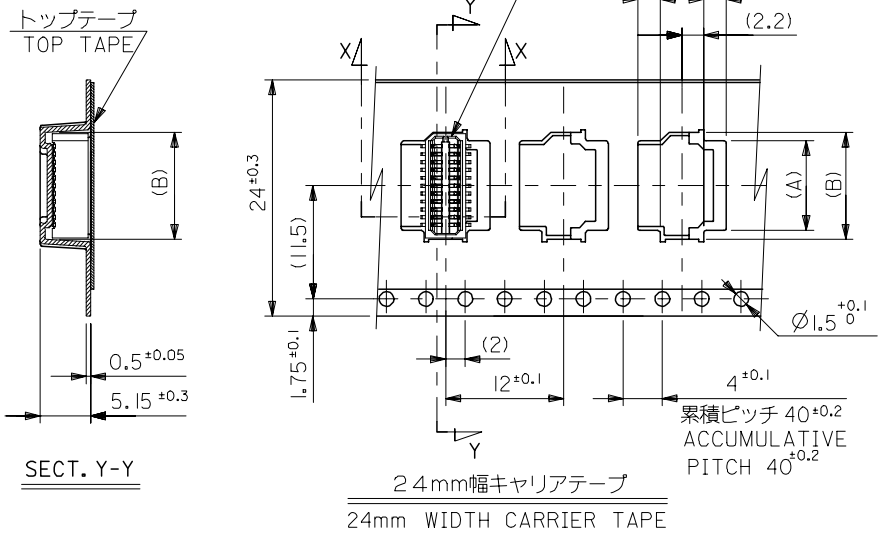
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DOCUMENT NO. SD-53307-014

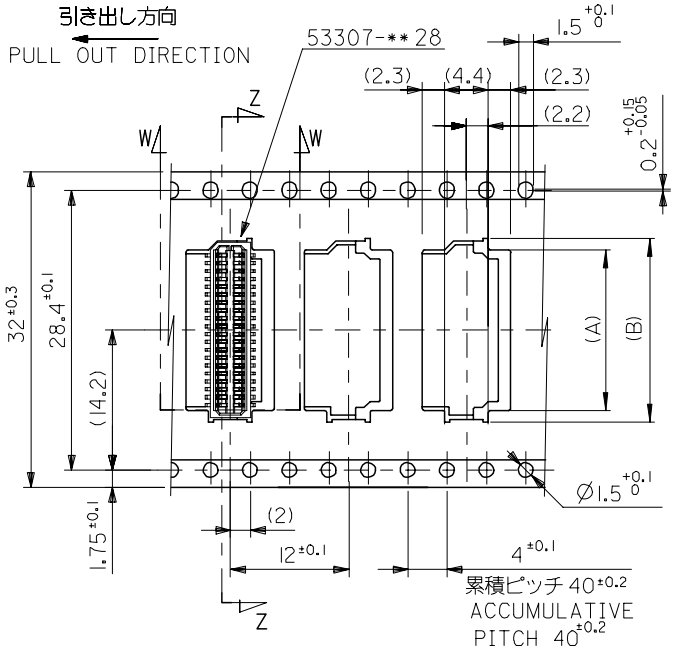
SHEET NO. 1 OF 2

SIZE A3

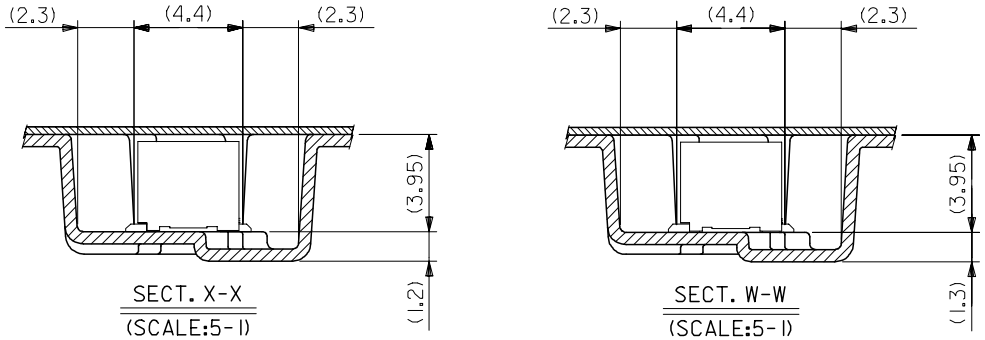
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24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE




32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE




| 53307-**71 MODEL NO. | キャリアテープ幅 CARRIER TAPE WIDTH | D | C | (B) | (A) | MATERIAL. NO. | 極数 CIRCUIT |
|---|---|---|---|---|---|---|---|
| | 32 | 37.4 | 33.4 | 18.1 | 16.3 | 53307-4071 | 40 |
| | 24 | 29.4 | 25.4 | 16.5 | 14.7 | 53307-3671 | 36 |
| | | | | 15.7 | 13.9 | 53307-3471 | 34 |
| | | | | 14.1 | 12.3 | 53307-3071 | 30 |
| | | | | 13.3 | 11.5 | 53307-2871 | 28 |
| | | | | 12.5 | 10.7 | 53307-2671 | 26 |
| | | | | 11.7 | 9.9 | 53307-2471 | 24 |
| | | | | 10.9 | 9.1 | 53307-2271 | 22 |
| | | | | 10.1 | 8.3 | 53307-2071 | 20 |

REVISED
EC NO: J2006-0187
DRWN:YOTANI 2005/08/01
CHKD:NUKITA 2005/08/02
APPR:NUKITA 2005/08/18
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR | ±3 ° |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

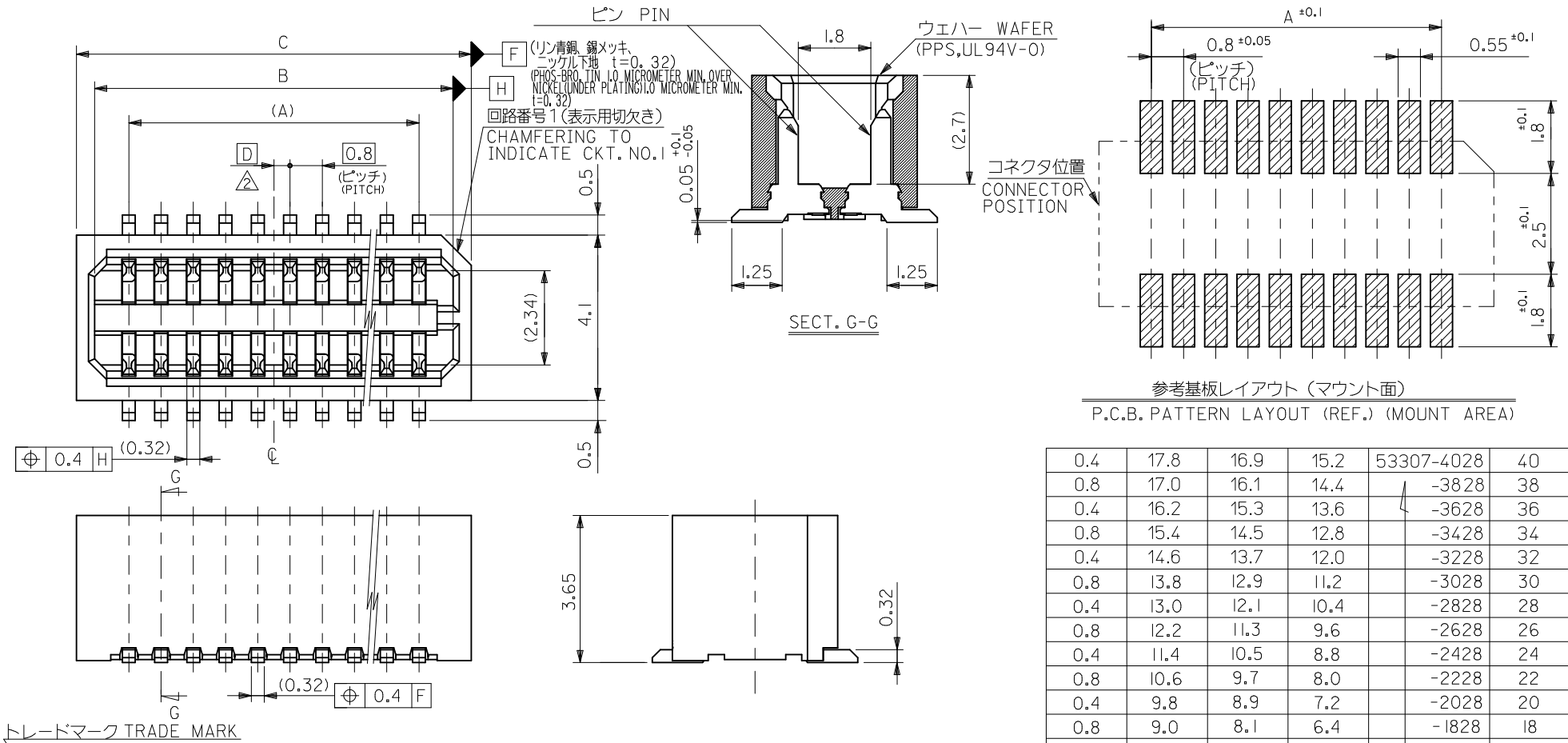
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CHECKED BY: KTOJO DATE: 2004/02/09
APPROVED BY: MSASAO DATE: 2004/02/09
MATERIAL NO.: SEE CHART

TITLE: 0.8 B-TO-B WAFER ASSY SMT EMBSTP PKG -LEAD FREE-

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DOCUMENT NO.: SD-53307-014
SHEET NO.: 2 OF 2
SIZE: A3

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

| 53307-**28 MODEL NO. | D | C | B | A | MATERIAL NO. | 極数 CKT. |
|---|---|---|---|---|---|---|
| 0.4 | 17.8 | 16.9 | 15.2 | 53307-4028 | | 40 |
| 0.8 | 17.0 | 16.1 | 14.4 | -3828 | | 38 |
| 0.4 | 16.2 | 15.3 | 13.6 | -3628 | | 36 |
| 0.8 | 15.4 | 14.5 | 12.8 | -3428 | | 34 |
| 0.4 | 14.6 | 13.7 | 12.0 | -3228 | | 32 |
| 0.8 | 13.8 | 12.9 | 11.2 | -3028 | | 30 |
| 0.4 | 13.0 | 12.1 | 10.4 | -2828 | | 28 |
| 0.8 | 12.2 | 11.3 | 9.6 | -2628 | | 26 |
| 0.4 | 11.4 | 10.5 | 8.8 | -2428 | | 24 |
| 0.8 | 10.6 | 9.7 | 8.0 | -2228 | | 22 |
| 0.4 | 9.8 | 8.9 | 7.2 | -2028 | | 20 |
| 0.8 | 9.0 | 8.1 | 6.4 | -1828 | | 18 |
| 0.4 | 8.2 | 7.3 | 5.6 | -1628 | | 16 |
| 0.8 | 7.4 | 6.5 | 4.8 | -1428 | | 14 |
| 0.4 | 6.6 | 5.7 | 4.0 | -1228 | | 12 |
| 0.8 | 5.8 | 4.9 | 3.2 | 53307-1028 | | 10 |

注記 NOTES

1 嵌合相手：52465,52588
MATE WITH : 52465,52588 SERIES

2 ウェハーの ℄ から隣接するピンの ℄ 迄の位置を示す。
SHOW POSITION FROM ℄ OF WAFER TO ℄ OF ADJACENT PINS.

3 本製品は 53307−**27 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53307-**27

REVISED
EC NO: J2010-1410 2010/01/12
DRWN:TOSHIMA 2010/01/12
CH'KD:SMARUYAMA 2010/01/20
APPR:MSASAO
DESCRIPTION
REV D

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR | ±3 ° |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: HSHIMABUKURO DATE: 2004/02/09
CHECKED BY: KTOJO DATE: 2004/02/09
APPROVED BY: MSASAO DATE: 2004/02/09

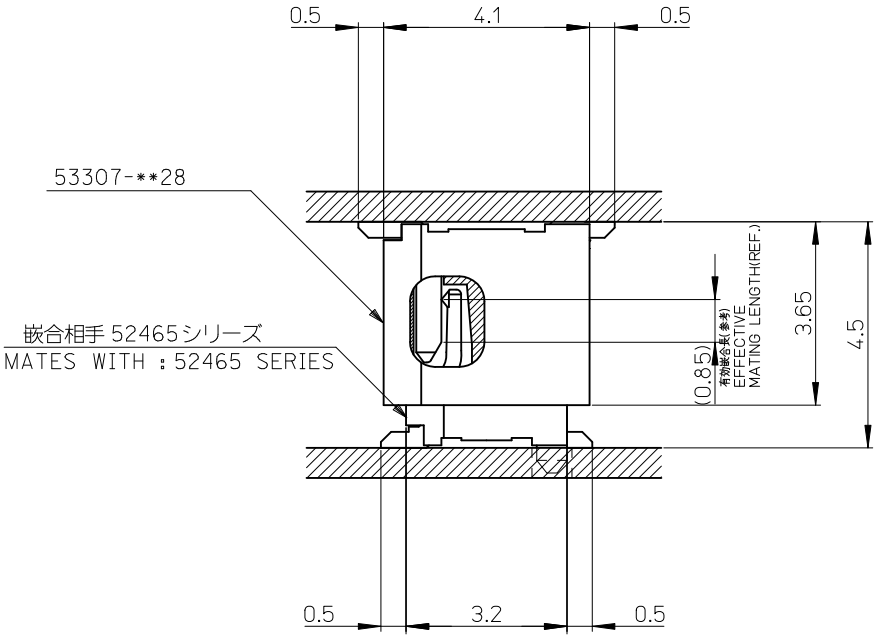
TITLE: 0.8 B/B CONN WAFER ASSY ST SMT -LEAD FREE-

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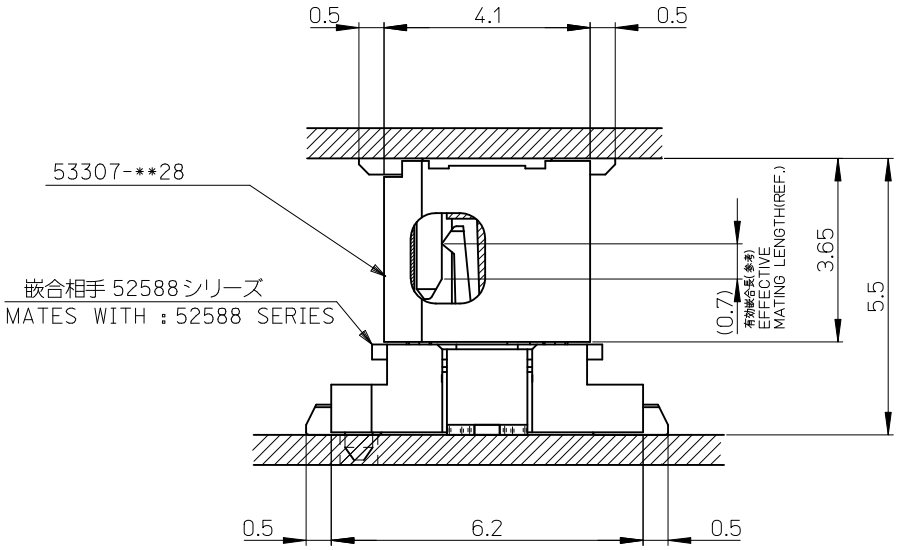
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-53307-015
SHEET NO.: 1 OF 2

SIZE A3

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嵌合状態図（参考）
MATED DRAWING (REF.)




嵌合状態図（参考）
MATED DRAWING (REF.)

| | |
|---|---|
| 53307-**28 | MODEL NO. |

| | | | |
|---|---|---|---|
| DIMENSION STYLE: MM ONLY | SCALE: --- | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±0.2 |
| 10 OVER 30 UNDER | ±0.25 |
| 30 OVER | ±0.3 |
| ANGULAR | ±3 ° |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| DESCRIPTION | REV | DATE |
|---|---|---|
| REVISED EC NO: J2010-1410 | D | 2010/01/12 |
| DRWN:TOSHIMA | | 2010/01/12 |
| CHKD:SMARUYAMA | | 2010/01/20 |
| APPR:MSASAO | | |

| | |
|---|---|
| DRAWN BY / DATE | HSHIMABUKURO 2004/02/09 |
| CHECKED BY / DATE | KTOJO 2004/02/09 |
| APPROVED BY / DATE | MSASAO 2004/02/09 |
| MATERIAL NO. | © SEE CHART |
| TITLE | 0.8 B/B CONN WAFER ASSY ST SMT -LEAD FREE- |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SD-53307-015 |
| SHEET NO. | 2 OF 2 |
| SIZE | A3 |

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Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709