

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0533072471

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, 24 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-52465-015 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Product Name

PCB Headers

53307

Board-to-Board

N/A

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Shrouded

Stackable

Temperature Range - Operating

Termination Interface: Style

No

24

24

Natural

No

No

No

None

None

0.177 In, 0.217 In

4.50 mm, 5.50 mm

Phosphor Bronze

Tin

Tin

High Temperature Thermoplastic

2

Vertical

No

None

Embossed Tape on Reel

0.031 In

0.80 mm

120

3

120

3

No

Fully

No

-20°C to +105°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.5A

50V

Material Info

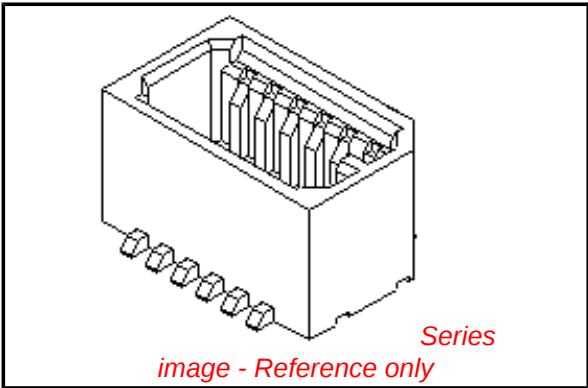
Reference - Drawing Numbers

Packaging Specification

Product Specification

SPK-53307-001

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](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

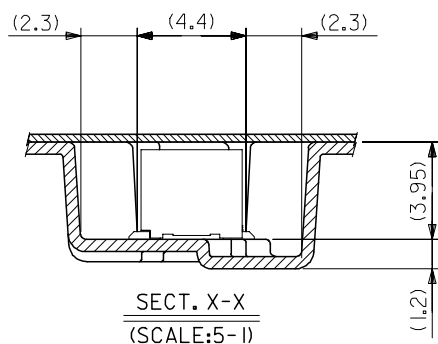
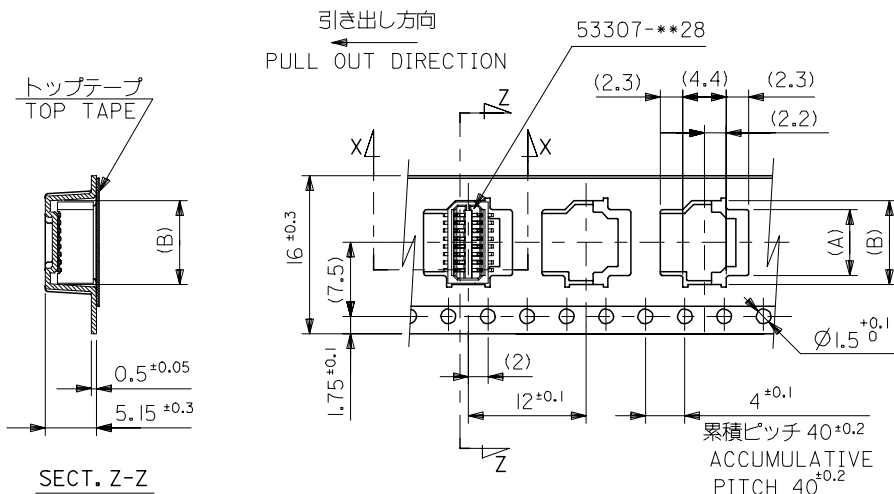
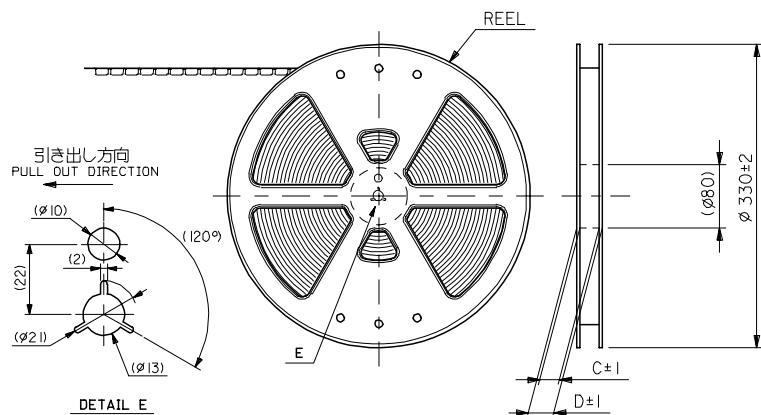
53307Series

Mates With

Board-to-Board Receptacle 52465 , 52588

This document was generated on 06/07/2010

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#### 注記 NOTES

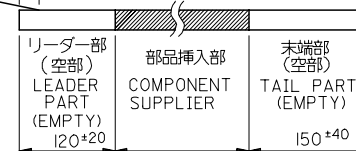
1. 梱包数量：1000個/リール NUMBER OF CONNECTORS:1000PCS/REEL

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  
未接合部 未接合部  
TOP TAPE NON-BONDED PART

175±25 25±5

引き出し方向  
PULL OUT DIRECTION



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}

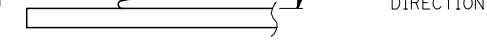
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT

PEEL OFF SHOULD NOT BE ALLOWED,

DURING TRANSPORTATION

引き出し方向  
PULL OUT DIRECTION



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

TOP

TAPE:POLYPROPYLENE

TAPE:PET,PE,PEF

REEL:POLYSTYRENE(PS)

<RECYCLE MATERIAL

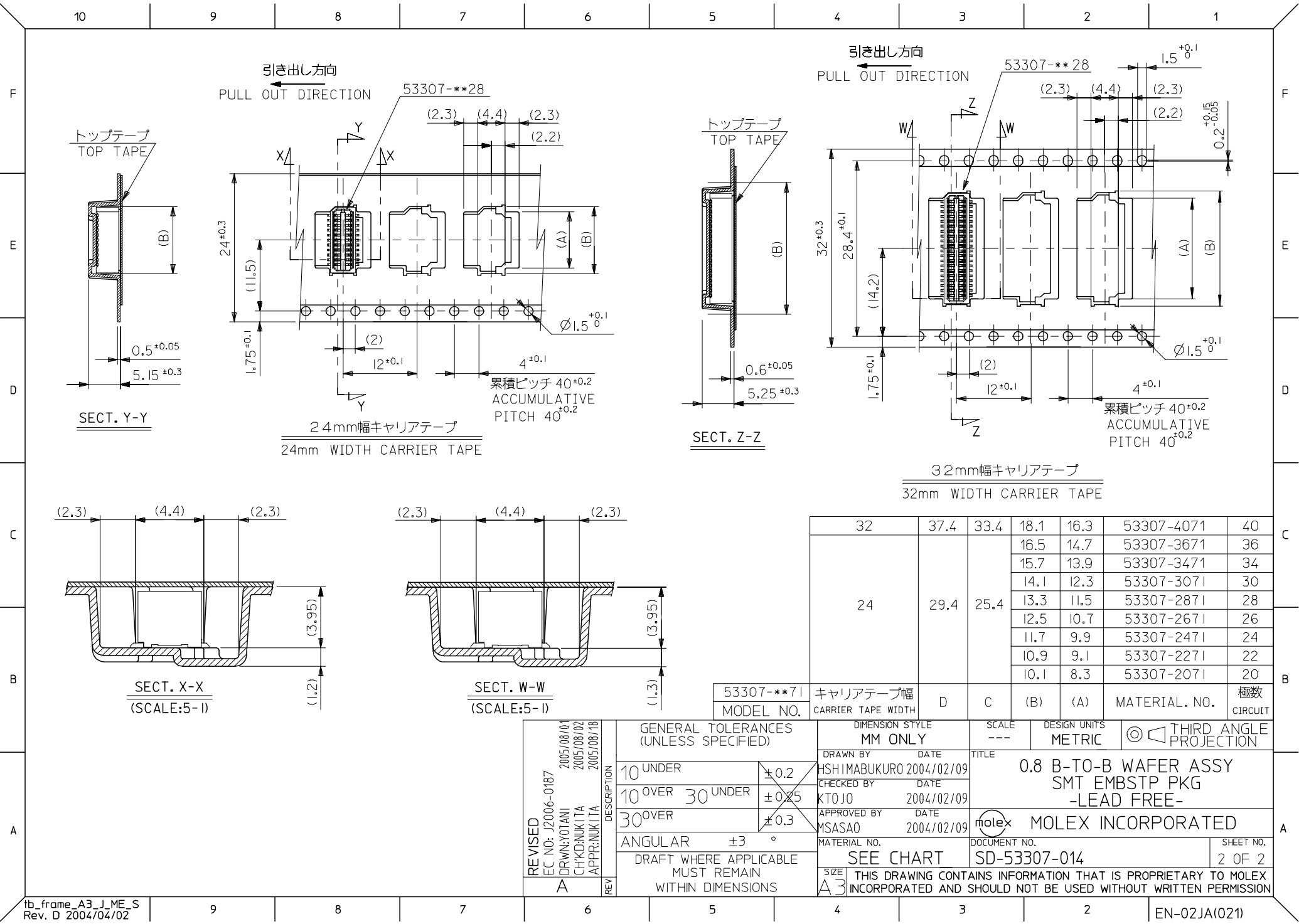
CONTAINED>

5. 本製品は 53307-\*\*\*91 の鉛フリー品である。

THIS PRODUCT IS LEAD FREE OF 53307-\*\*\*91

|             |                    |      |     |     |            |               |         |
|-------------|--------------------|------|-----|-----|------------|---------------|---------|
| 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            |         |
| 53307-***71 | キャリアテープ幅           | D    | C   | (B) | (A)        | MATERIAL. NO. | 極数      |
| MODEL.NO.   | CARRIER TAPE WIDTH |      |     |     |            |               | CIRCUIT |

|         |                                                                   |                                        |             |                                                            |       |                            |                                                                                                                                  |                                                                 |                        |                                                                                                                 |           |
|---------|-------------------------------------------------------------------|----------------------------------------|-------------|------------------------------------------------------------|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|-----------|
| REVISED | EC NO: J2006-0187<br>DRWN: YOTANI<br>CHKD: NUKITA<br>APPR: NUKITA | 2005/08/01<br>2005/08/02<br>2005/08/18 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>---                                                    | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |           |
|         |                                                                   |                                        |             | 10 UNDER                                                   | ±0.2  | DRAWN BY                   | DATE                                                                                                                             | TITLE<br>0.8 B-T0-B WAFER ASSY<br>SMT EMBSTP PKG<br>-LEAD FREE- |                        |                                                                                                                 |           |
|         |                                                                   |                                        |             | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY                 | DATE                                                                                                                             |                                                                 |                        |                                                                                                                 |           |
|         |                                                                   |                                        |             | 30 OVER                                                    | ±0.3  | APPROVED BY                | DATE                                                                                                                             |                                                                 |                        |                                                                                                                 |           |
|         |                                                                   |                                        |             | ANGULAR ±3 °                                               |       | MATERIAL NO.               |                                                                                                                                  | DOCUMENT NO.                                                    |                        |                                                                                                                 | SHEET NO. |
|         |                                                                   |                                        |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE CHART                  |                                                                                                                                  | SD-53307-014                                                    |                        |                                                                                                                 | 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 F

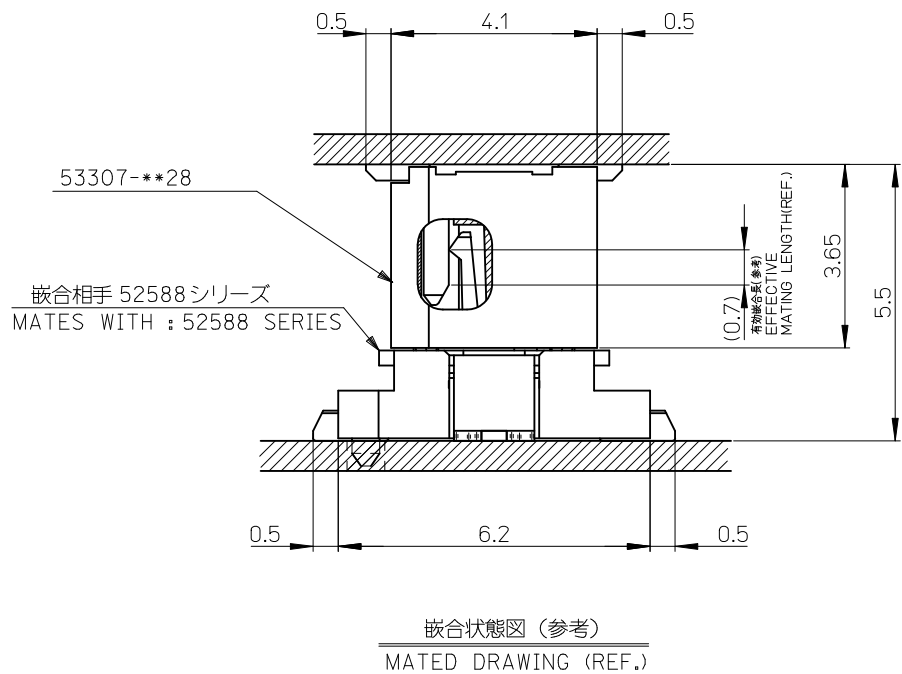
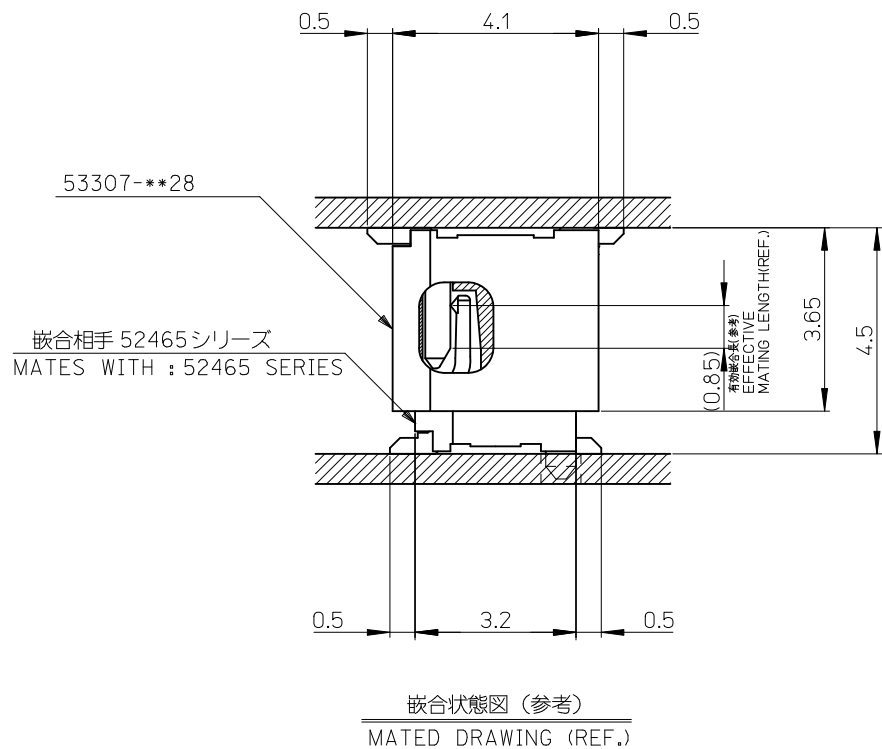
E E

D D

C C

B B

A A



|                                                                                                                             |                    |                                          |              |                                                                                                                                  |                  |        |                                                           |                           |  |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|------------------|--------|-----------------------------------------------------------|---------------------------|--|
| REVISED<br>EC NO: J2010-1410<br>DRAWN: TOSHIMA<br>CHKD: SMARUYAMA<br>APPR: MSASAO<br>2010/01/12<br>2010/01/12<br>2010/01/20 | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |              | DIMENSION STYLE                                                                                                                  |                  | SCALE  | DESIGN UNITS                                              | THIRD ANGLE<br>PROJECTION |  |
|                                                                                                                             |                    |                                          |              | MM ONLY                                                                                                                          |                  | ---    | METRIC                                                    |                           |  |
|                                                                                                                             |                    | 10 UNDER                                 |              | ± 0.2                                                                                                                            | DRAWN BY DATE    |        | TITLE<br>0.8 B/B CONN WAFER ASSY<br>ST SMT<br>-LEAD FREE- |                           |  |
|                                                                                                                             |                    | 10 OVER 30 UNDER                         |              | ± 0.25                                                                                                                           | CHECKED BY DATE  |        |                                                           |                           |  |
|                                                                                                                             |                    | 30 OVER                                  |              | ± 0.3                                                                                                                            | APPROVED BY DATE |        |                                                           |                           |  |
|                                                                                                                             | ANGULAR ±3 °       |                                          | MATERIAL NO. |                                                                                                                                  | DOCUMENT NO.     |        | SHEET NO.                                                 |                           |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                  |                    | © SEE CHART                              |              | SD-53307-015                                                                                                                     |                  | 2 OF 2 |                                                           |                           |  |
|                                                                                                                             |                    | SIZE<br>A3                               |              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  |        |                                                           |                           |  |