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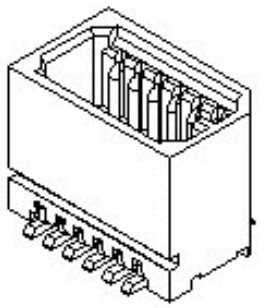
**Part Number:** 0533643671

**Status:** Active

**Description:** 0.80mm (.031") Pitch Board-to-Board Header, Surface Mount, Dual Row, Vertical, 6.00 and 7.00mm (.236 and .276") Stacking Heights, Lead-free, 36 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-52465-010 (PDF)
RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 53364 |
| Application | Board-to-Board |
| Product Name | N/A |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 36 |
| Circuits (maximum) | 36 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Mated Height (in) | 0.236 In, 0.276 In |
| Mated Height (mm) | 6.00 mm, 7.00 mm |
| Material - Plating Mating | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.020 In |
| PC Tail Length (mm) | 0.50 mm |
| 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 Mating Part | Yes |
| 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

| | |
|---|---|
| Product Specification | PS-52465-010, RPS-52465-048 |
| Sales Drawing | SD-53364-**71, SD-53364-003 |

**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
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**
53364Series

**Mates With**
52465 PCB Receptacle. 52588 PCB Receptacle Floating Type

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

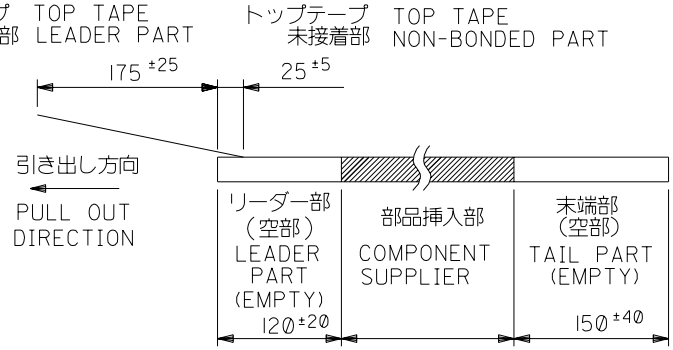
DWG. NO. SD-53364-**71

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

## 注記 NOTES

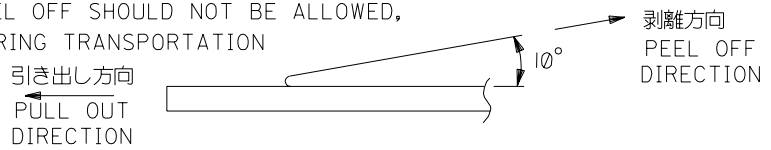
1. 梱包数量：1000個／リール NUMBER OF CONNECTORS:1000PCS/REEL

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。）

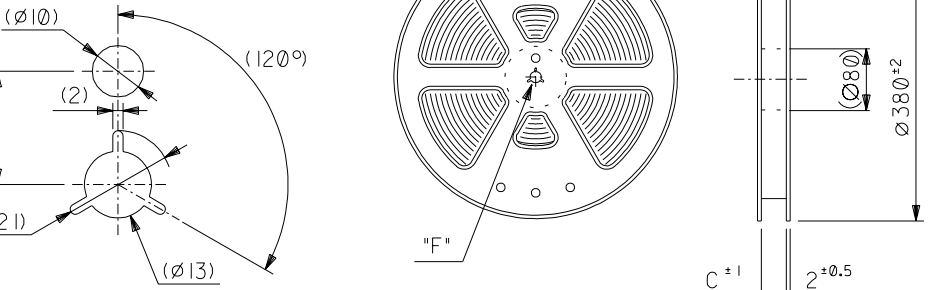
PEELING OFF FORCE OF TOP TAPE
0.1N ～ 1.3N(10gf ～ 130gf) (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLITED AT SHIPMENT
PEEL OFF SHOULD NOT BE ALLOWED,
DURING TRANSPORTATION



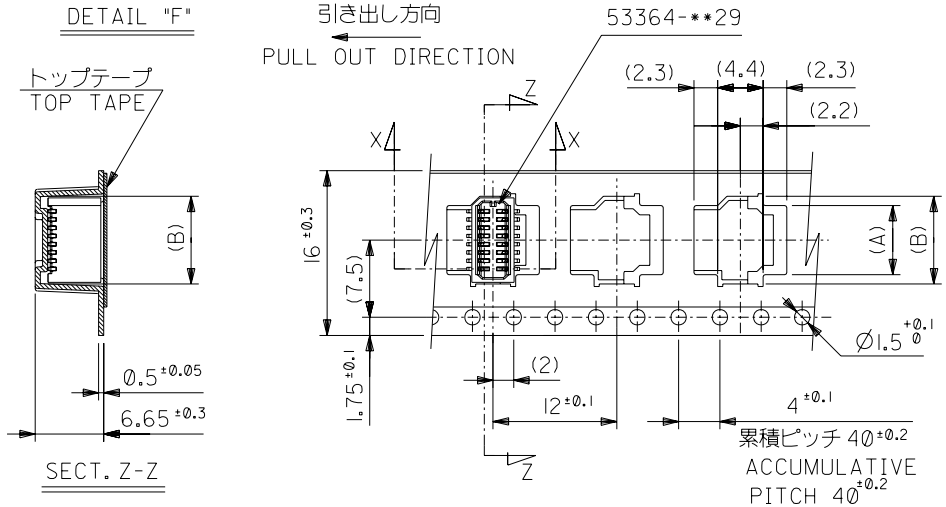

4. 材料 MATERIAL

| | |
|---|---|
| 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） <リサイクル材を含む> | REEL:POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED> |

5. 本製品は 53364-**91 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53364-**91.

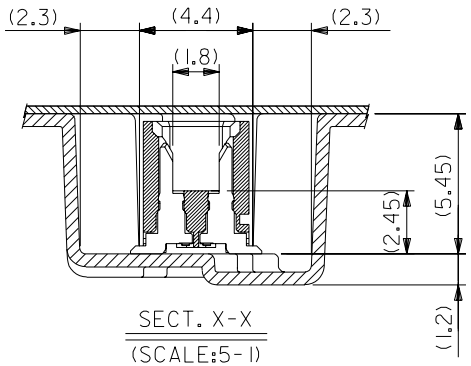



DETAIL "F"




SECT. Z-Z

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE




SECT. X-X
(SCALE:5-1)

| キャリアテープ幅 CARRIER TAPE WIDTH | C | (B) | (A) | MATERIAL. NO. | 極数 CIRCUIT |
|---|---|---|---|---|---|
| 16 | 17.5 | 9.3 | 7.5 | 53364-1871 | 18 |
| | | 6.9 | 5.1 | 53364-1271 | 12 |
| | | 6.1 | 4.3 | 53364-1071 | 10 |

| 角度 ANGLE | ±3° |
|---|---|
| 30以上 OVER 未満 UNDER | ±0.3 |
| 10以上 OVER 30 UNDER | ±0.25 |
| 未満 10 UNDER | ±0.2 |
| 一般公差 GENERAL TOLERANCES | |

| 記号 LTR | 変更内容 REVISION RECORD | DR. CHK. | 日付 DATE |
|---|---|---|---|
| 0 | 新規作成 RELEASED (J2004-1478) | MN KT | '03/12/11 |

| | |
|---|---|
| 材料 MATERIAL | 注記参照 SEE NOTES |
| 仕上げ FINISH | # |
| 適用電線範囲 WIRE RANGE | # |
| 被覆外径 INS. RANGE | # |
| DRAWN BY '03/12/11 M.NINOMIYA | CHK'D BY '03/12/11 K.TOJO |
| APP'D BY '03/12/11 M.SASAO | 尺度 SCALE # |

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
0.8 BtB Conn Wafer Assy
ST SMT Without Boss
Embstp Pkg -LEAD FREE-

DWG. NO. (SHEET 1 OF 2) SD-53364-**71

REV 0

SD-53364-**71S01

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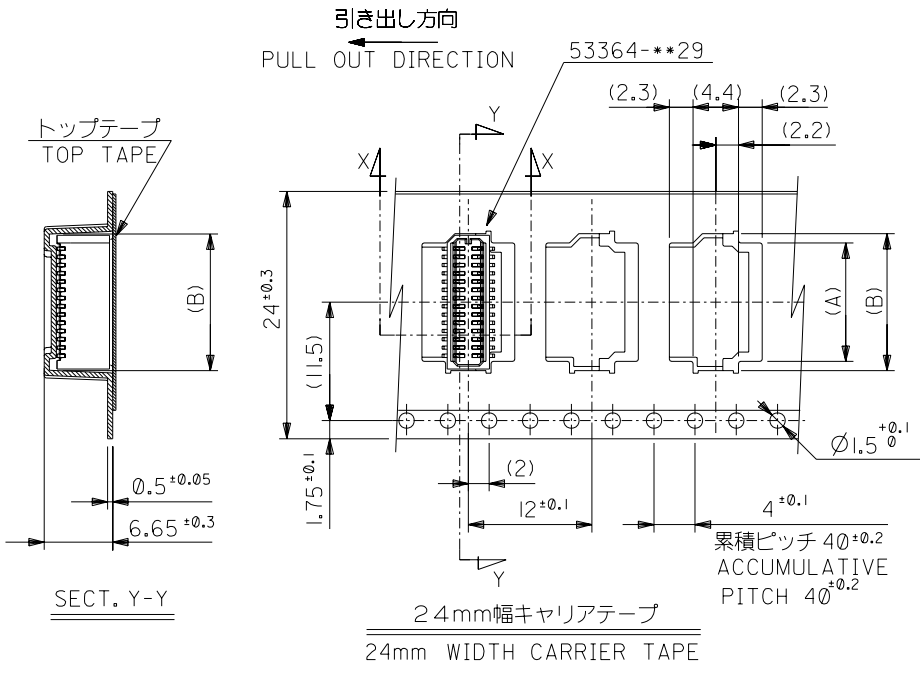
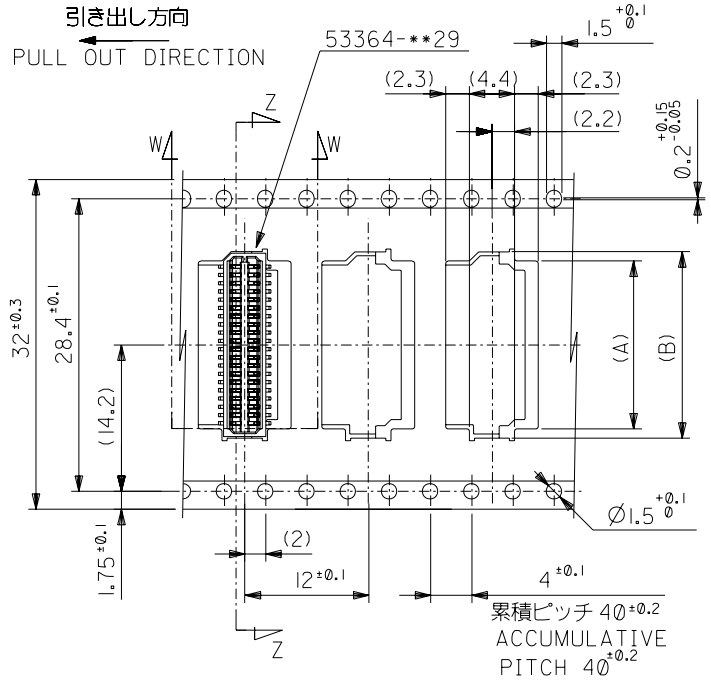
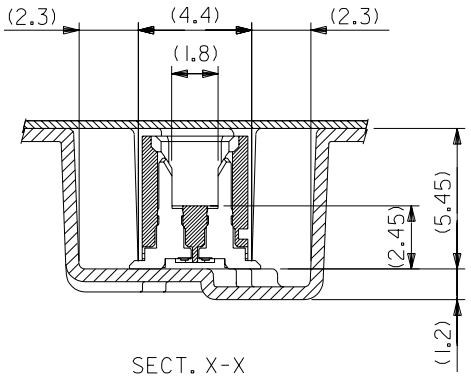
EN-0IC(032)MXJ-32

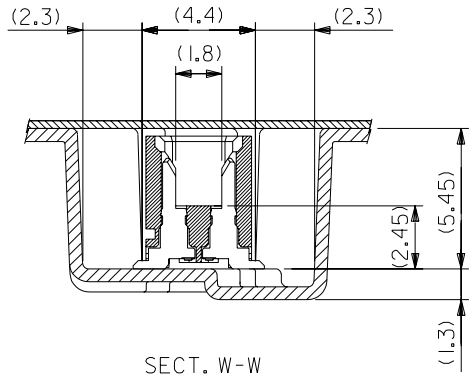
DWG. NO. SD-53364-**71

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING




| キャリアテープ幅 CARRIER TAPE WIDTH | C | (B) | (A) | MATERIAL NO. | 極数 CIRCUIT |
|---|---|---|---|---|---|
| 32 | 33.5 | 18.9 | 17.1 | 53364-4271 | 42 |
| | | 18.1 | 16.3 | 53364-4071 | 40 |
| 24 | 25.5 | 16.5 | 14.7 | 53364-3671 | 36 |
| | | 14.1 | 12.3 | 53364-3071 | 30 |
| | | 13.3 | 11.5 | 53364-2871 | 28 |
| | | 10.1 | 8.3 | 53364-2071 | 20 |

| 角度 ANGLE | ±3° |
|---|---|
| 30以上 OVER | ±0.3 |
| 10以上 OVER 30未満 UNDER | ±0.25 |
| 10未満 UNDER | ±0.2 |
| 一般公差 GENERAL TOLERANCES | |

| 記号 LTR | 変更内容 REVISION RECORD | DR. CHK. | 日付 DATE |
|---|---|---|---|
| Ø | 新規作成 RELEASED (J2004-1478) | MN KT | '03/12/11 |

材料 MATERIAL
SHEET 1 OF 2 参照
REFER TO SHEET 1 OF 2

仕上げ FINISH —#—

適用電線範囲 WIRE RANGE —#—

被覆外径 INS. RANGE —#—

| DRAWN BY '03/12/11 | CHK'D BY '03/12/11 |
|---|---|
| M.NINOMIYA | K.TOJO |
| APP'D BY '03/12/11 | 尺度 SCALE |
| M.SASAO | —#— |

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
0.8 BtB Conn Wafer Assy
ST SMT Without Boss
Embstp Pkg -LEAD FREE-

DWG. NO. (SHEET 2 OF 2) SD-53364-**71

REV Ø

SD-53364-*-71.S02

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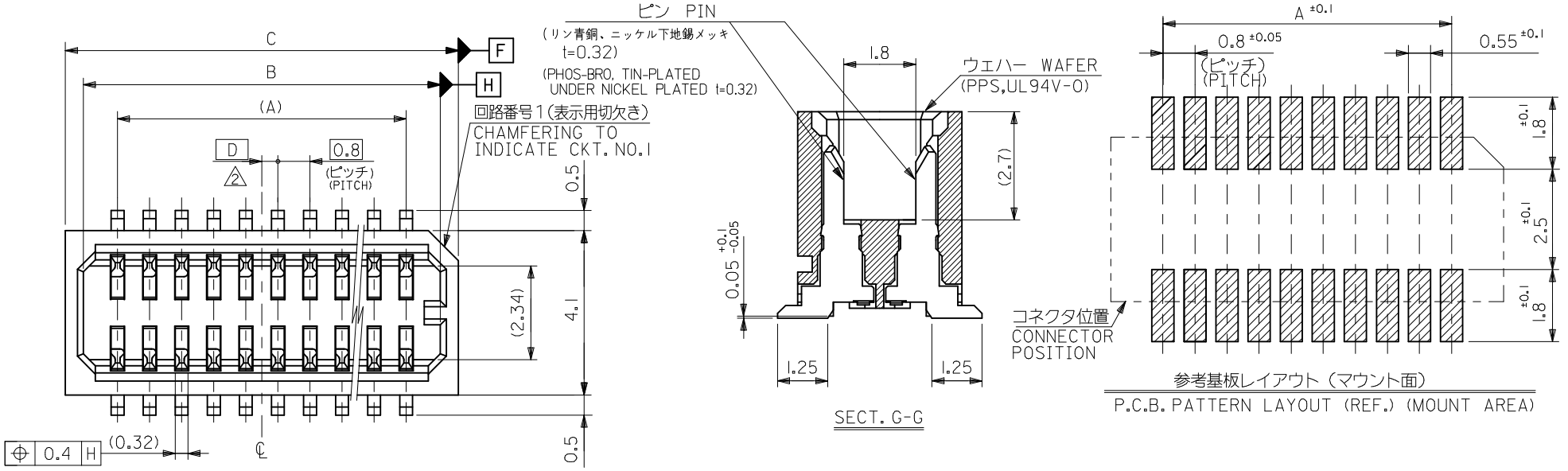
EN-0IC(032)MXJ-32



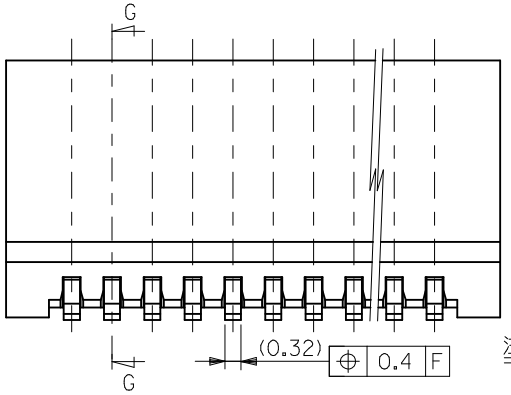


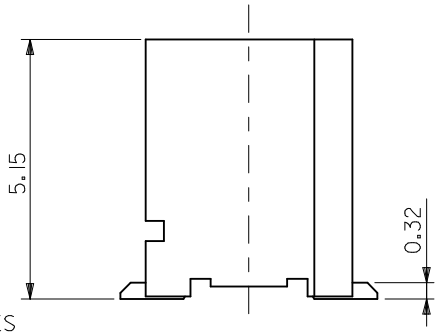


SECT. G-G




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



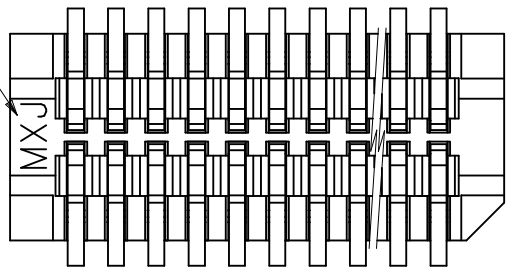

注記 NOTES

1. 嵌合相手：52465,52588シリーズ
MATES WITH : 52465,52588 SERIES

2. ウェハーの ℄ 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53364-**27の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53364-**27.

トレードマーク TRADE MARK




| 0.4 | 17.8 | 16.9 | 15.2 | 53364-4029 | 40 |
|---|---|---|---|---|---|
| 0.4 | 16.2 | 15.3 | 13.6 | 53364-3629 | 36 |
| 0.8 | 13.8 | 12.9 | 11.2 | 53364-3029 | 30 |
| 0.4 | 13.0 | 12.1 | 10.4 | 53364-2829 | 28 |
| 0.4 | 9.8 | 8.9 | 7.2 | 53364-2029 | 20 |
| 0.8 | 9.0 | 8.1 | 6.4 | 53364-1829 | 18 |
| 0.4 | 6.6 | 5.7 | 4.0 | 53364-1229 | 12 |
| 0.8 | 5.8 | 4.9 | 3.2 | 53364-1029 | 10 |
| D | C | B | A | MATERIAL NO. | 極数 CKT. |

REVISED
EC NO: J2009-1121 2008/12/15
DRWN:NAKAMURAA 2008/12/15
CH'KD:T. HARUYAMA 2009/01/13
APPR:NUKITA
DESCRIPTION
REV

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 | M.NINOMIYA |
| DATE | '03/12/11 |
| CHECKED BY | K.TOJO |
| DATE | '03/12/11 |
| APPROVED BY | M.SASAO |
| DATE | '03/12/11 |
| MATERIAL NO. | SEE TABLE |
| TITLE | 0.8 BOARD TO BOARD CONN. WAFER ASSY ST. SMT -LEAD FREE- |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SD-53364-003 |
| SHEET NO. | 1 OF 2 |
| SIZE | A3 |

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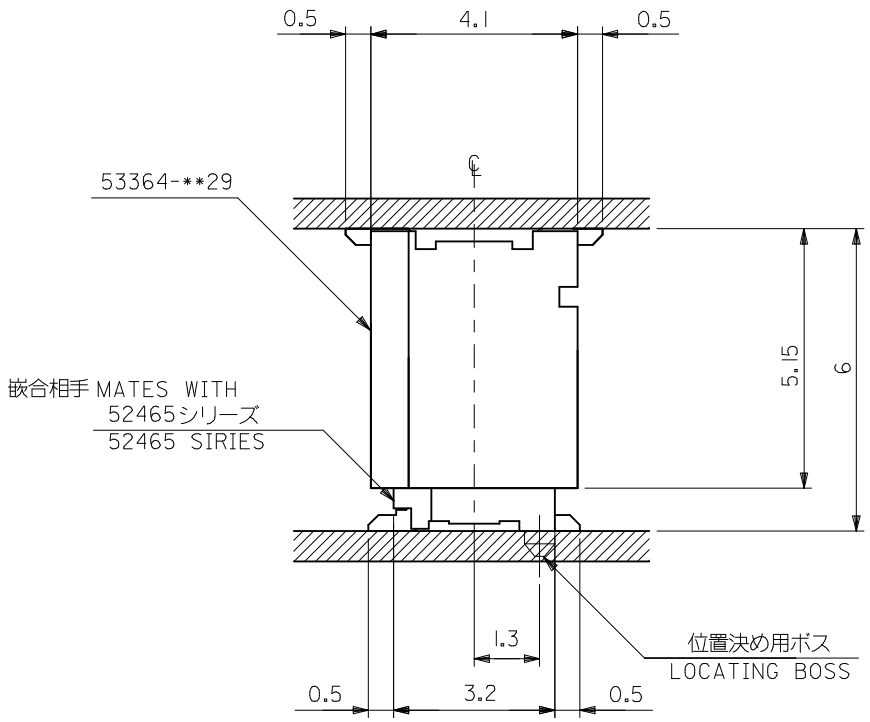


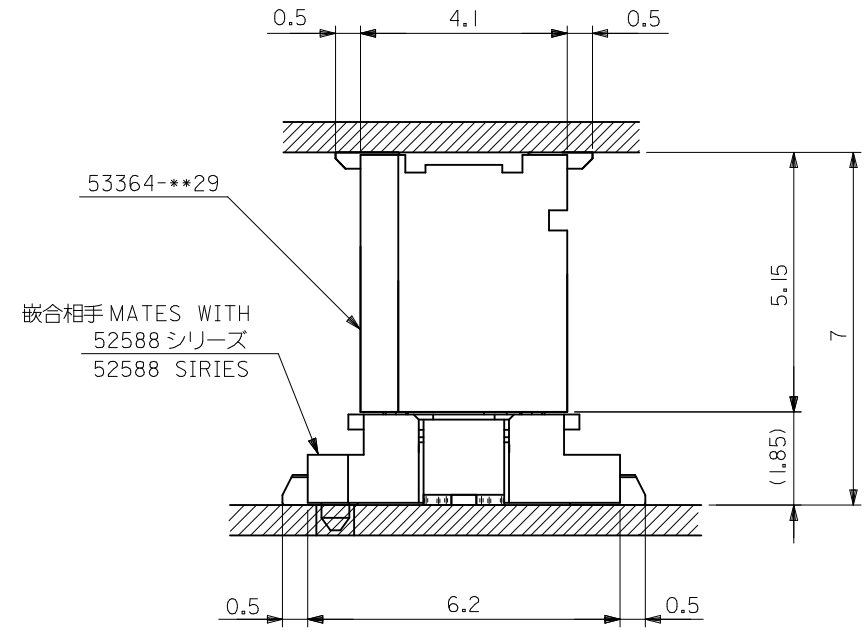


嵌合状態図（参考）
MATED DRAWING (REF.)

REVISED
EC NO: J2009-1121
DRWN:NAKAMURAA 2008/12/15
CH'KD:T. HARUYAMA 2008/12/15
APPR:NUKITA 2009/01/13
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±--- |
| 10 OVER 30 UNDER | ±--- |
| 30 OVER | ±--- |
| ANGULAR ±--- ° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: M.NINOMIYA DATE: '03/12/11
CHECKED BY: K.TOJO DATE: '03/12/11
APPROVED BY: M.SASAO DATE: '03/12/11

TITLE: 0.8 BOARD TO BOARD CONN. WAFER ASSY ST. SMT -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 1
DOCUMENT NO.: SD-53364-003
SHEET NO.: 2 OF 2
SIZE: A3

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