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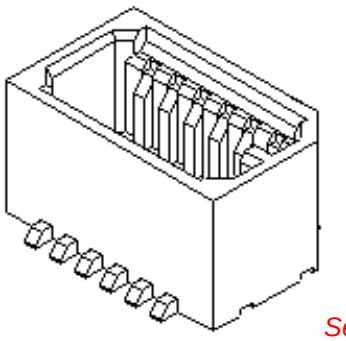
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0533071071

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, 10 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)	10
Circuits (maximum)	10
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?

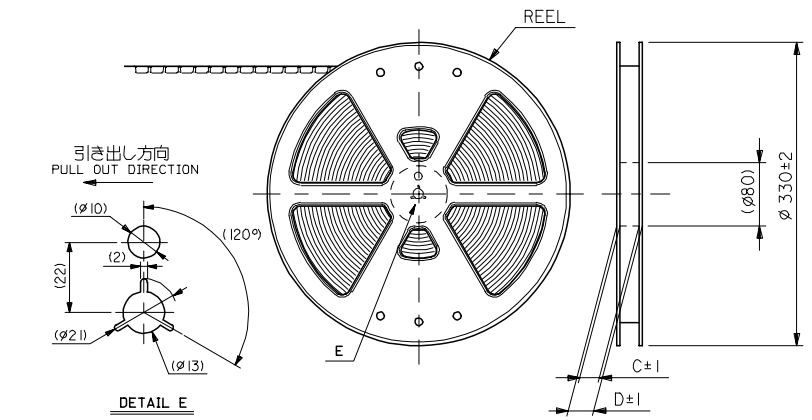
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

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

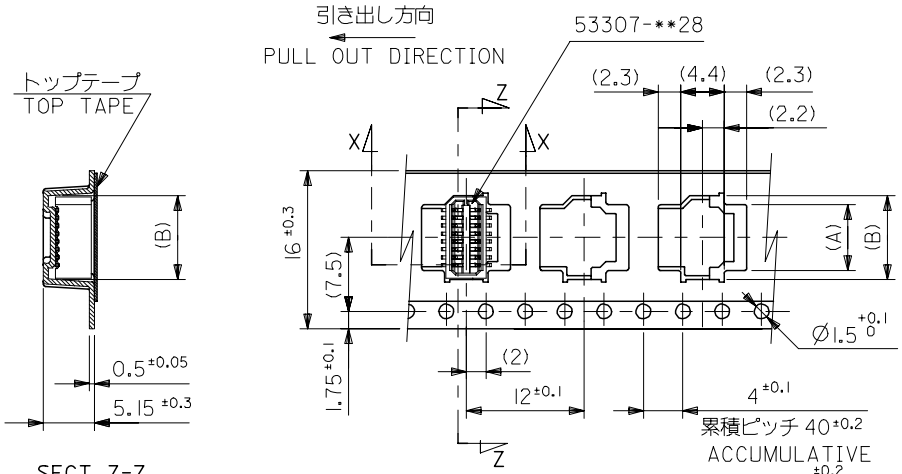
Search Parts in this Series
53307Series

Mates With
Board-to-Board Receptacle 52465 , 52588

This document was generated on 06/07/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



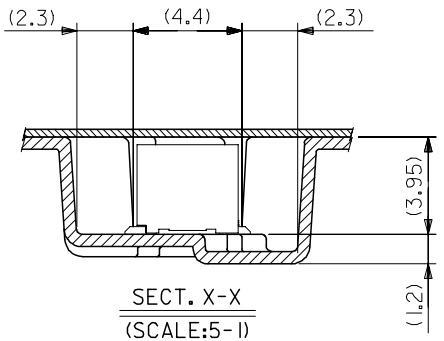
DETAIL E



SECT. Z-Z

16mm幅キャリアテープ

16mm WIDTH CARRIER TAPE

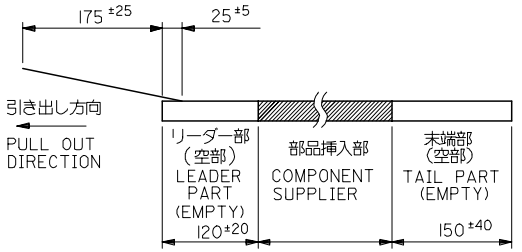


SECT. X-X

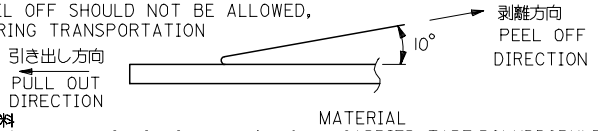
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注記 NOTES

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



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-

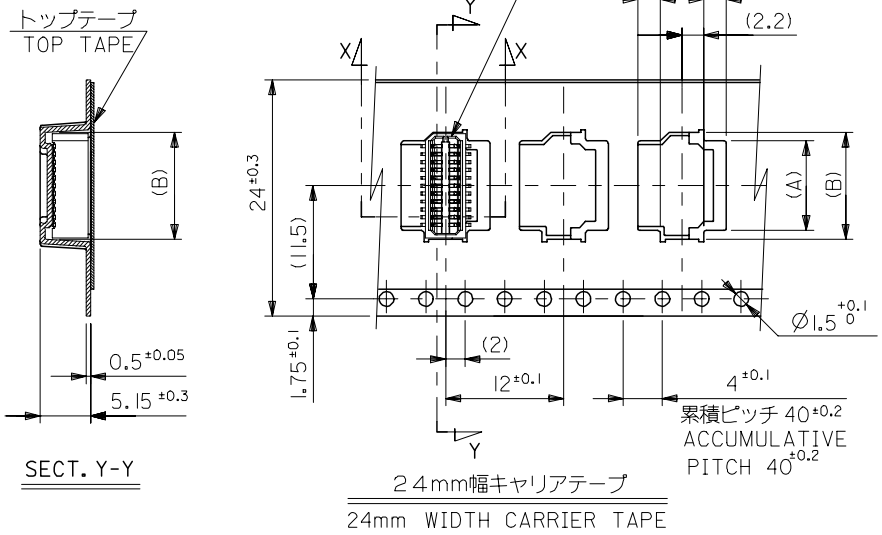
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DOCUMENT NO. SD-53307-014

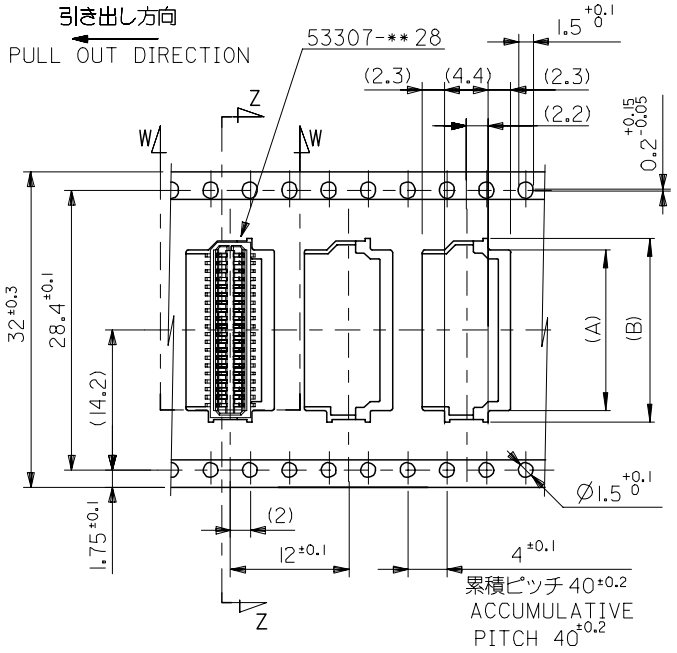
SHEET NO. 1 OF 2

SIZE A3

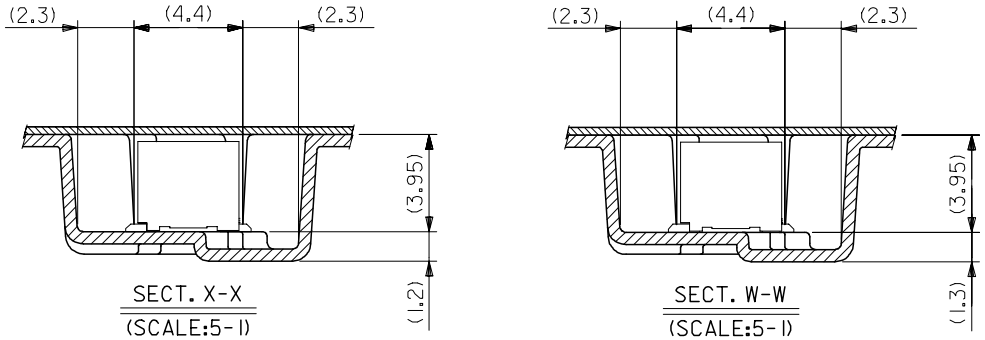
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24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE



32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE



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

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

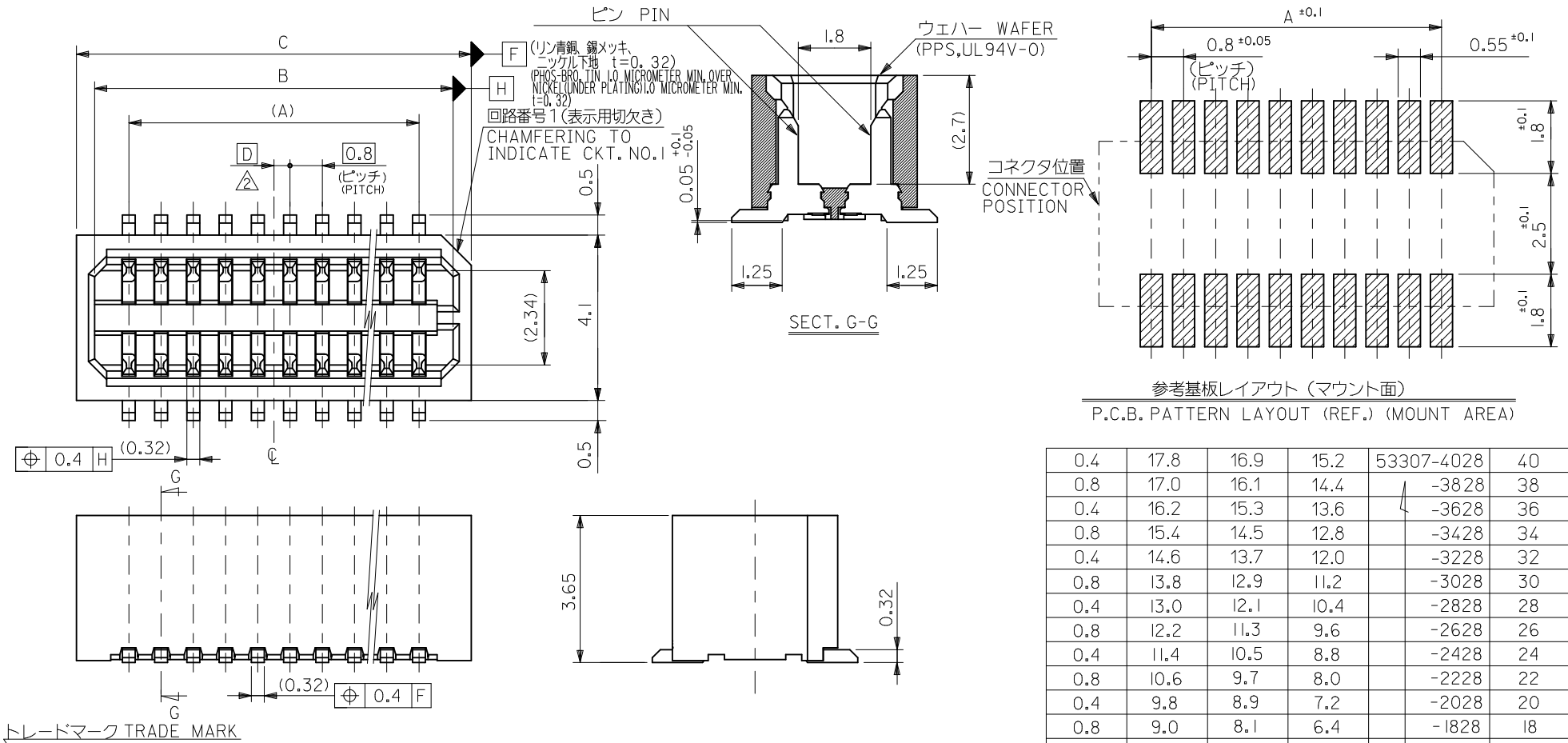
TITLE
0.8 B-TO-B WAFER ASSY
SMT EMBSTP PKG
-LEAD FREE-

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DOCUMENT NO.: SD-53307-014
SHEET NO.: 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

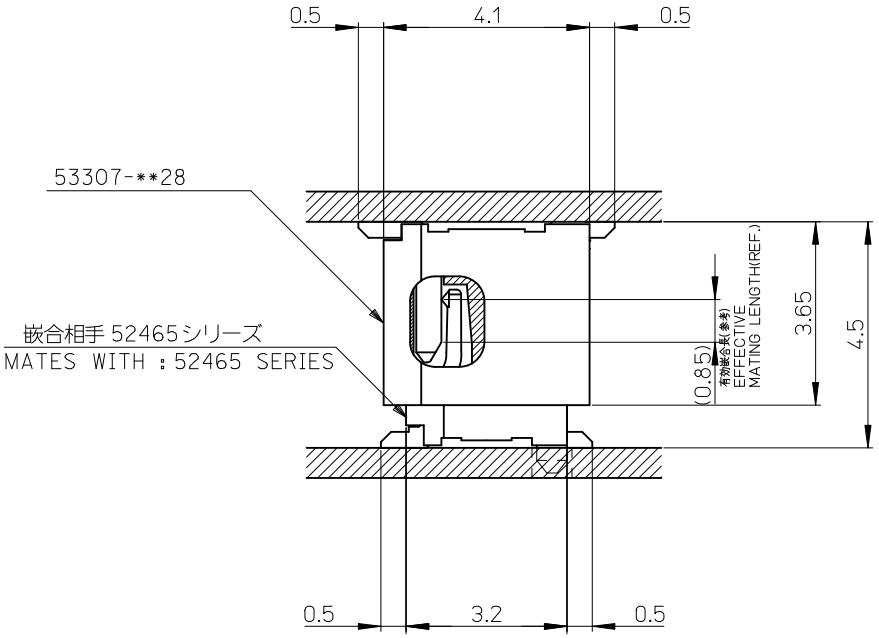
TITLE: 0.8 B/B CONN WAFER ASSY ST SMT -LEAD FREE-

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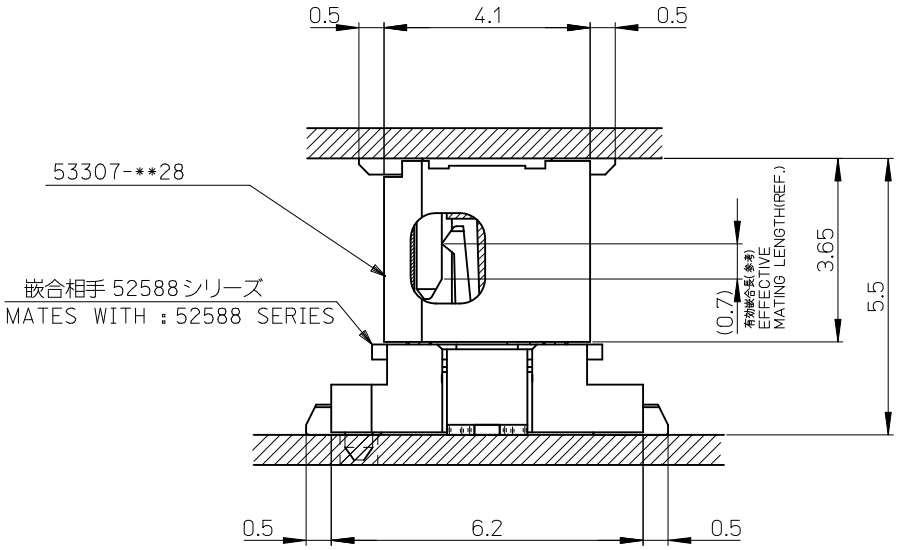
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嵌合状態図（参考）
MATED DRAWING (REF.)



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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