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Part Number: [0533071871](#)
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, 18 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-52465-015 \(PDF\)](#)
[Product Specification PS-52588-031 \(PDF\)](#)
[Product Specification PS-52588-032 \(PDF\)](#)
[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) 18
Circuits (maximum) 18
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

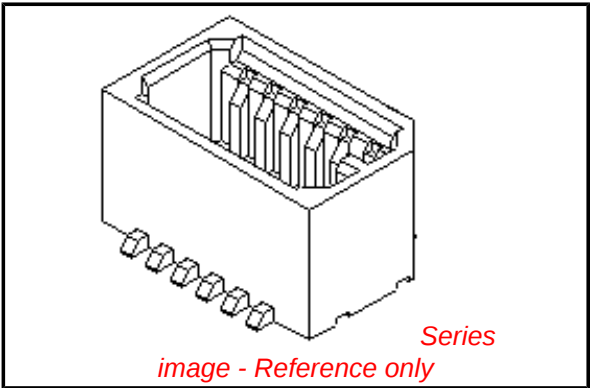
Electrical

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

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-53307-001



EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

**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.

China RoHS



Search Parts in this Series

[53307Series](#)

Mates With

Board-to-Board Receptacle [52465](#) , [52588](#)

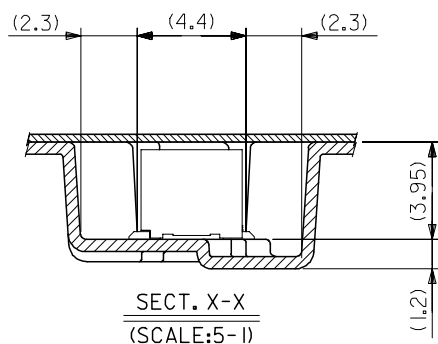
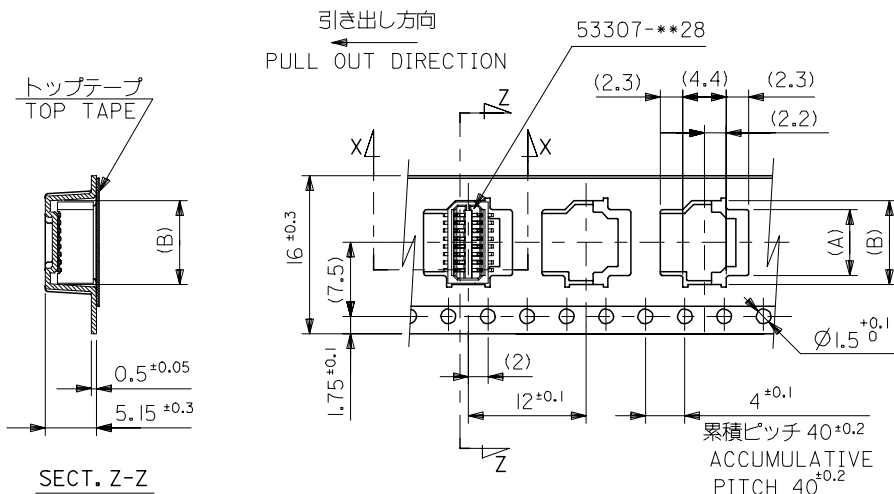
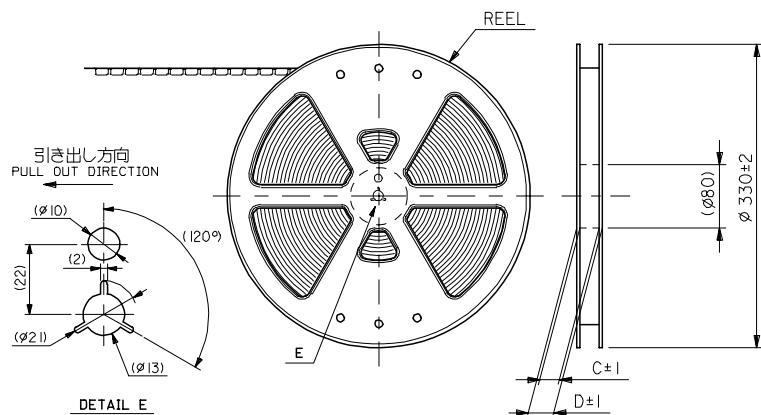
Product Specification

Sales Drawing

PS-52465-015, PS-52588-031, PS-52588-032,
RPS-52465-042, RPS-52465-052, RPS-52588-039,
RPS-52588-040, RPS-52588-041
SD-53307-014, SD-53307-015

This document was generated on 06/07/2010

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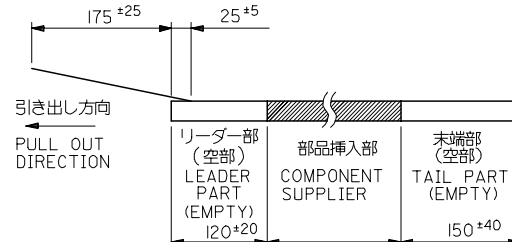


注記 NOTES

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



3. トップテープの剥離強度：(剥離方向は下図参照)

0.1N~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



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)

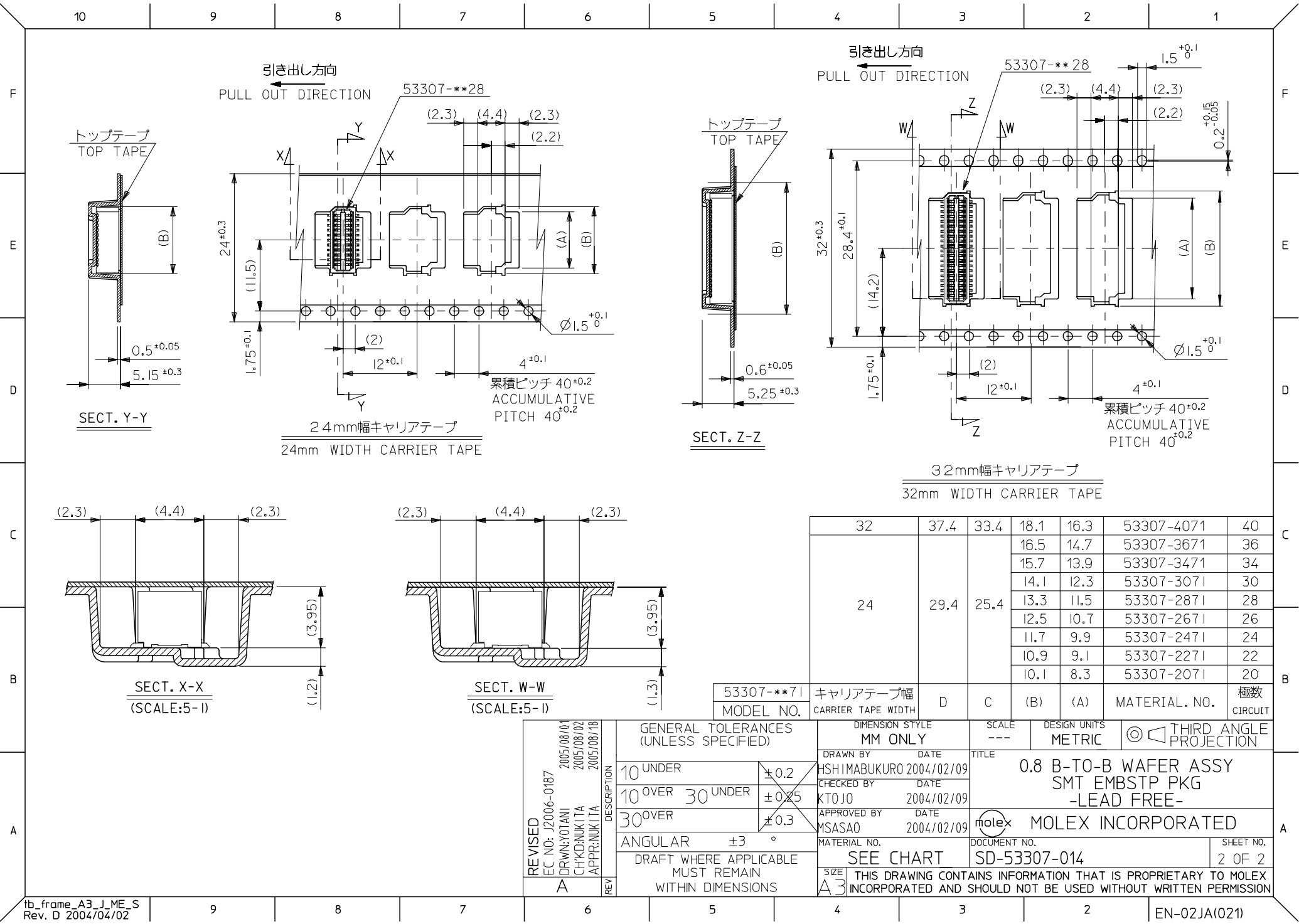
<RECYCLE MATERIAL CONTAINED>

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

REVISED	EC NO: J2006-0187	DRAWN: YOTANI	2005/08/01	CHKD: NUKITA	2005/08/02	APPR: NUKITA	2005/08/18	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
								10 UNDER ±0.2 10 OVER 30 UNDER ±0.25 30 OVER ±0.3		DRAWN BY DATE		TITLE 0.8 B-T0-B WAFER ASSY SMT EMBSTP PKG -LEAD FREE-			
										CHECKED BY DATE					
										10 UNDER ±0.2 10 OVER 30 UNDER ±0.25 30 OVER ±0.3		KTOJO 2004/02/09		MOLEX INCORPORATED	
								APPROVED BY DATE							
								10 UNDER ±0.2 10 OVER 30 UNDER ±0.25 30 OVER ±0.3		MSASAO 2004/02/09		DOCUMENT NO. SD-53307-014			
										MATERIAL NO.					
ANGULAR ±3 °		SEE CHART													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											



F

E

D

C

B

A

F

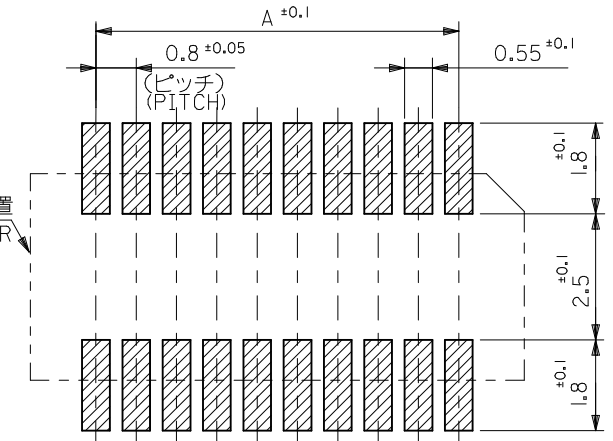
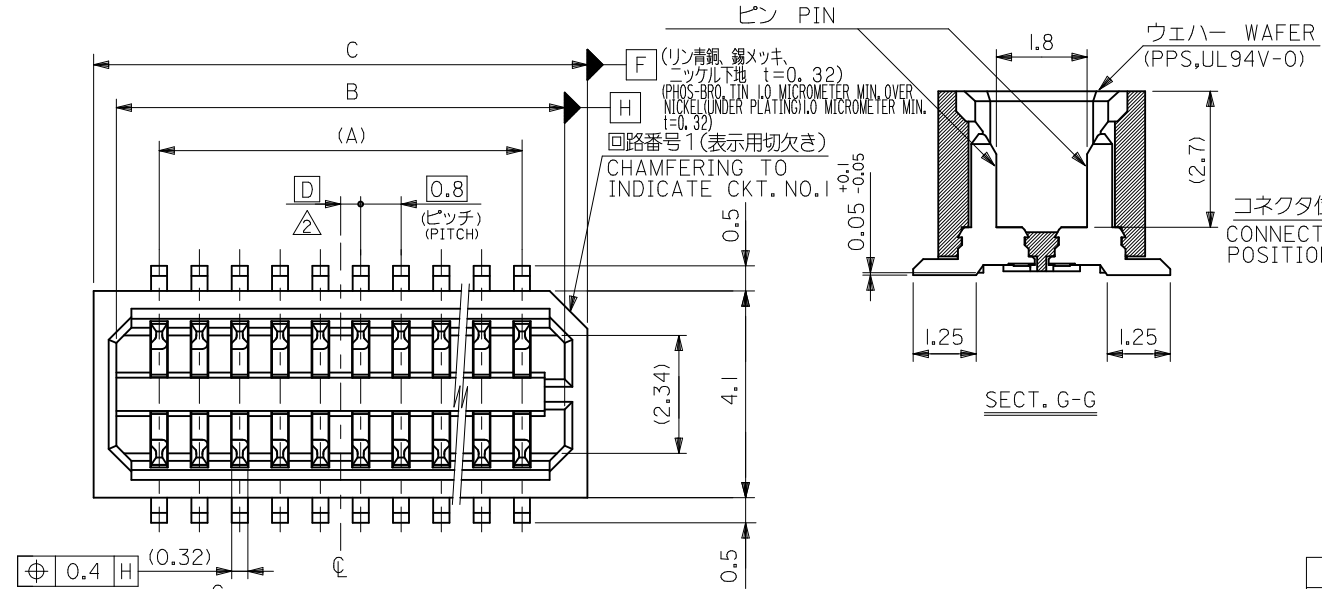
E

D

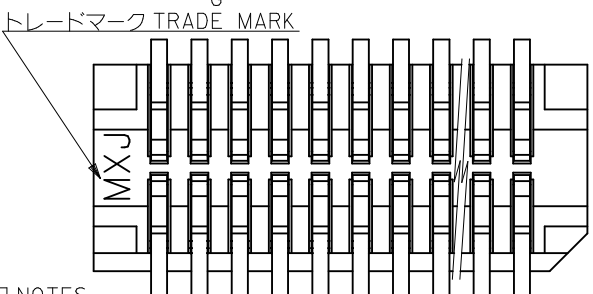
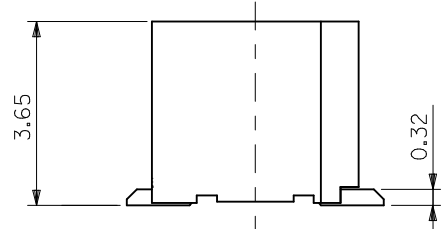
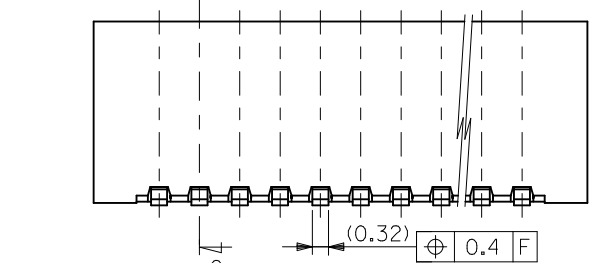
C

B

A



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
MATE WITH: 52465,52588 SERIES
- 2 ウェハーの ϕ から隣接するピンの ϕ 迄の位置を示す。
SHOW POSITION FROM ϕ OF WAFER TO ϕ 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

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

REVISED	EC NO: J2010-1410	2010/01/12	DRWN: TOSHIMA	2010/01/12	CHKD: SMARUYAMA	2010/01/12	APPR: MSASAO	2010/01/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	10 UNDER ± 0.2	10 OVER 30 UNDER ± 0.25	30 OVER ± 0.3	ANGULAR $\pm 3^\circ$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	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	SCALE ---	DESIGN UNITS METRIC	TITLE 0.8 B/B CONN WAFER ASSY ST SMT -LEAD FREE-	THIRD ANGLE PROJECTION	DOCUMENT NO. SD-53307-015	SHEET NO. 1 OF 2
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10 9 8 7 6 5 4 3 2 1

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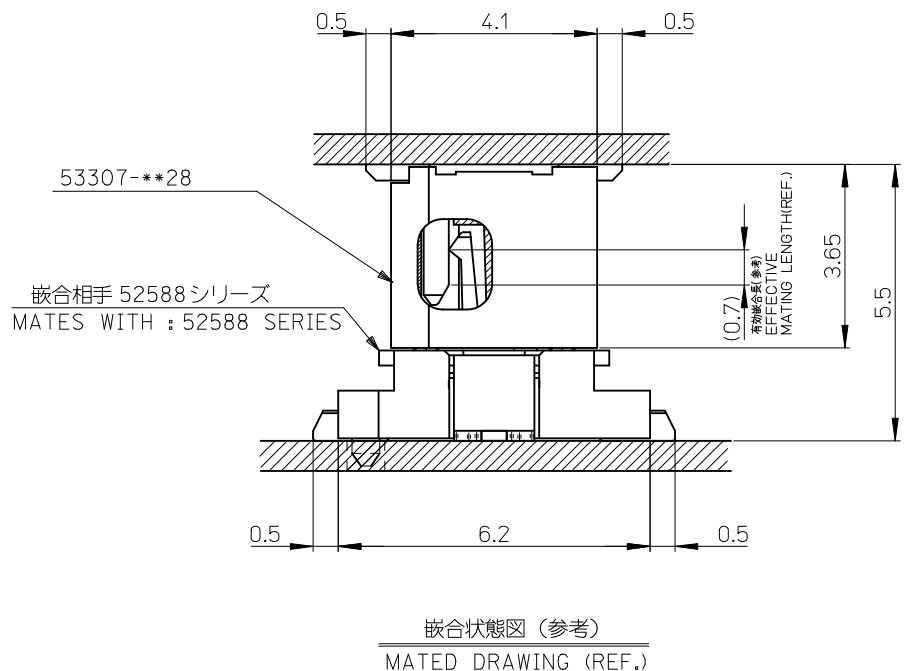
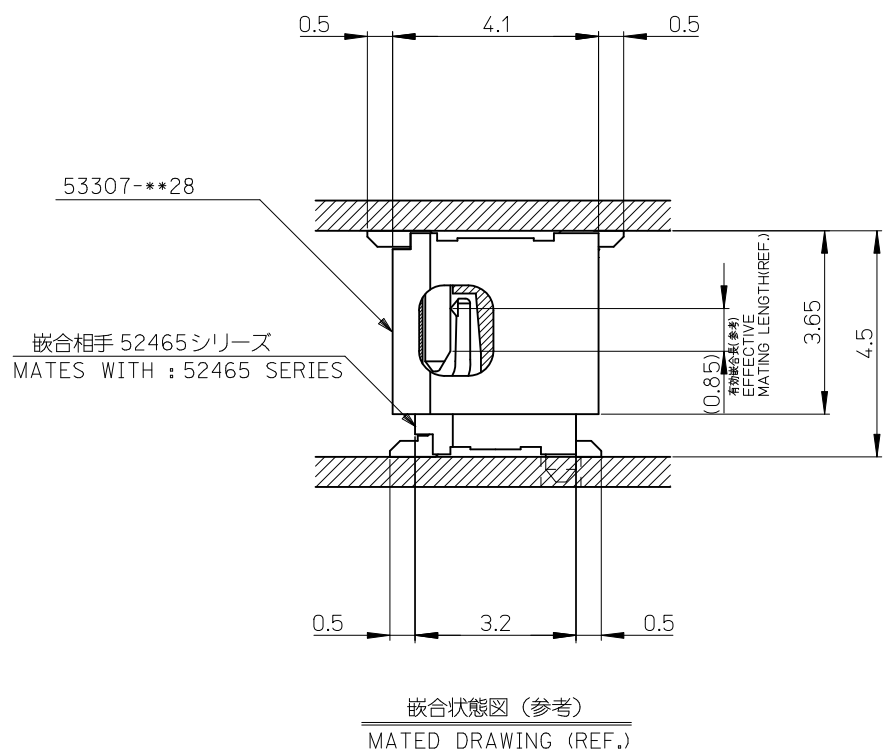
E E

D D

C C

B B

A A



REVISED		EC NO: J2010-1410		2010/01/12		DRWN:TOSHIMA		2010/01/12		CHKD:SMARUYAMA		2010/01/20		APPR:MSASAO		2010/01/20		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 ---	
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		DOCUMENT NO. SD-53307-015		SHEET NO. 2 OF 2		TITLE 0.8 B/B CONN WAFER ASSY ST SMT -LEAD FREE-		MOLEX INCORPORATED	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		53307-***28		MODEL NO.		THIRD ANGLE PROJECTION															

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