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Part Number: [0533072071](#)
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, 20 Circuits

Documents:

3D Model	Product Specification PS-52588-031 (PDF)
Drawing (PDF)	Product Specification PS-52588-032 (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)	20
Circuits (maximum)	20
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

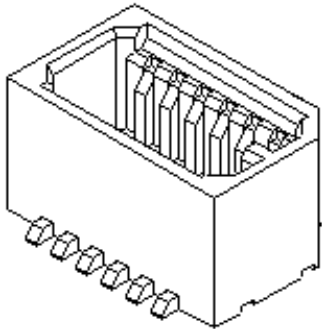
Electrical

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

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-53307-001
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Series
image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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](#)

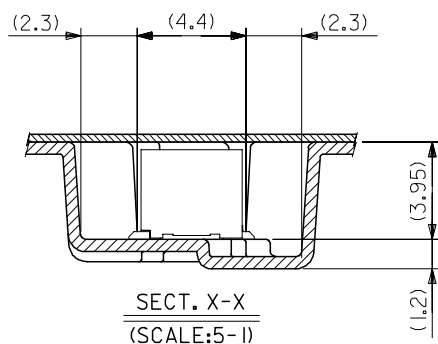
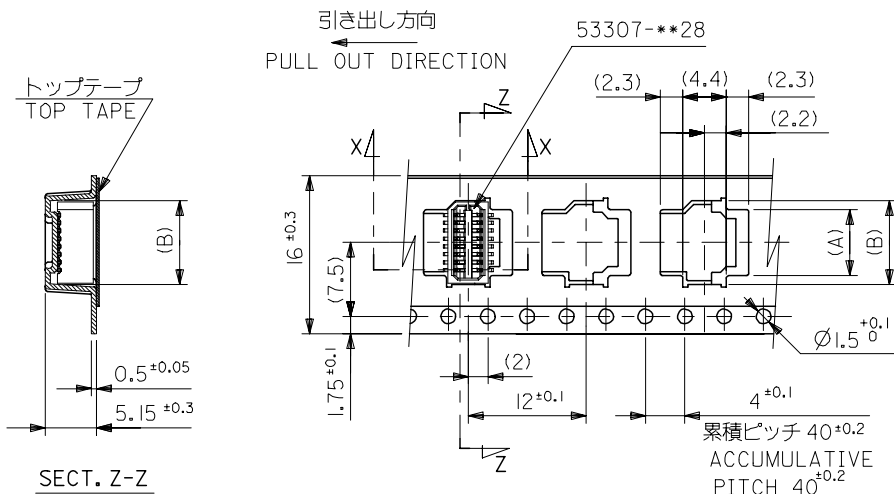
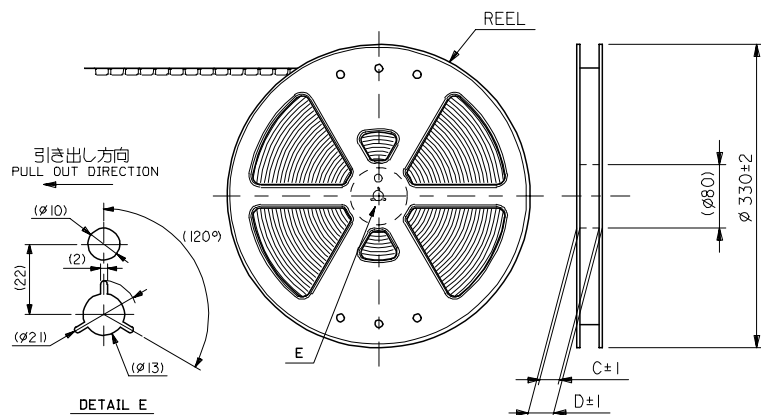
Product Specification

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

Sales Drawing

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

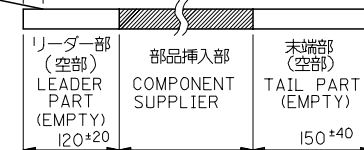
2. リードテープ長さ LEAD TAPE LENGTH

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

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。)

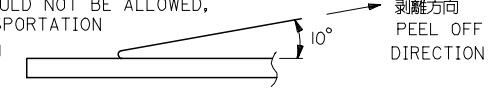
PEELING OFF FORCE OF TOP TAPE

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

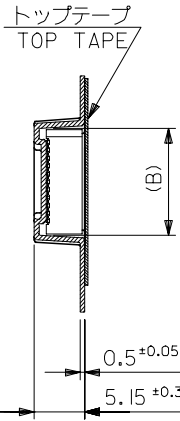
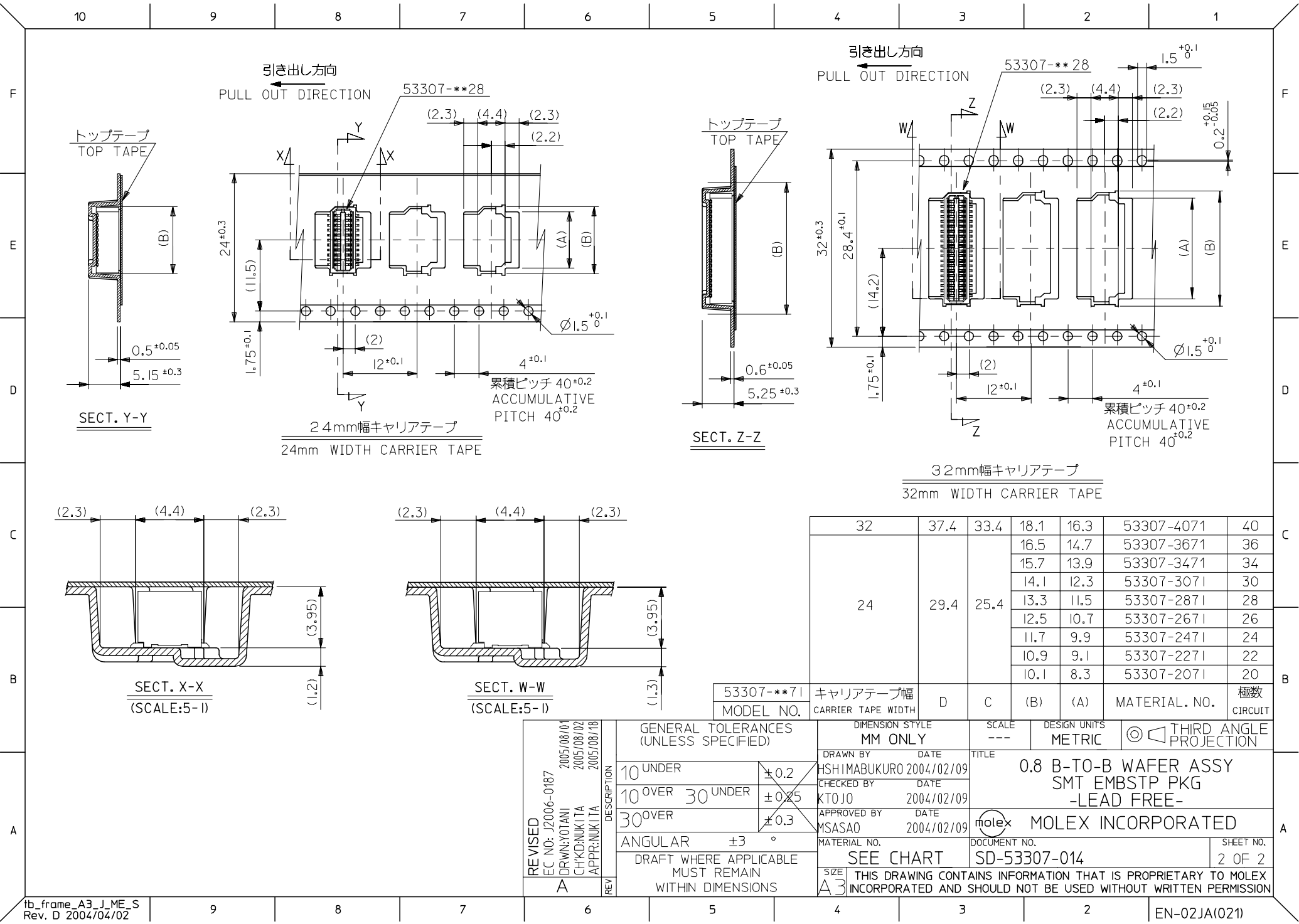
REEL: POLYSTYRENE (PS)

<RECYCLE MATERIAL CONTAINED>

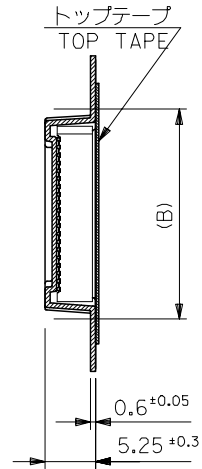
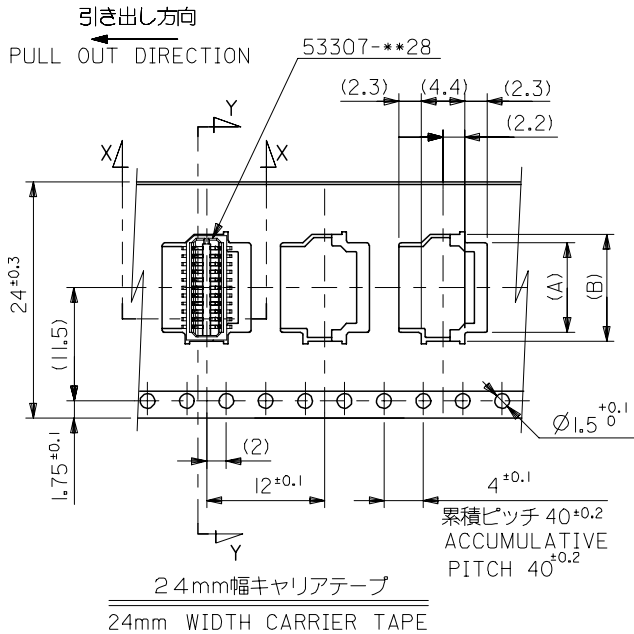
5. 本製品は 53307-***91 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53307-***91

53307-***91	キャリアテープ幅	D	C	(B)	(A)	MATERIAL. NO.	極数
MODEL. NO.	CARRIER TAPE WIDTH						CIRCUIT

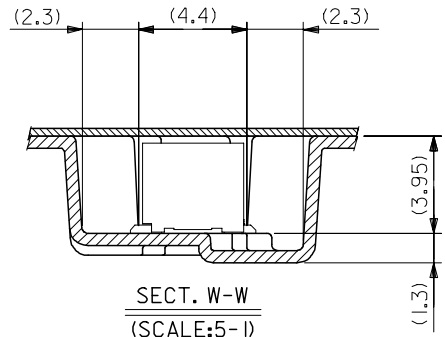
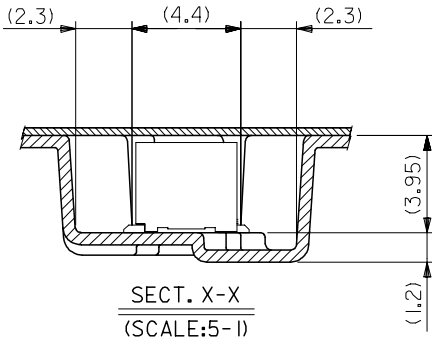
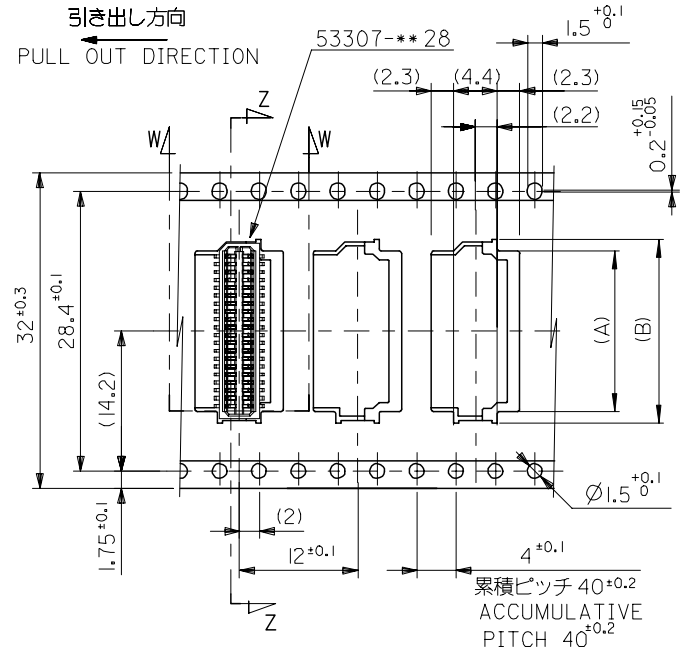
REVISED EC NO: J2006-0187 DRWN: YOTANI CHKD: NUKITA APPR: NUKITA	DESCRIPTION 2005/08/01 2005/08/02 2005/08/18	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY HSHIMABUKURO	DATE 2004/02/09	TITLE 0.8 B-TO-B WAFER ASSY SMT EMBSTP PKG -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY KTOJO	DATE 2004/02/09					
		30 OVER	±0.3	APPROVED BY MSASAO	DATE 2004/02/09	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53307-014				1 OF 2
	REV A		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



SECT. Y-Y



SECT. Z-Z



53307-***28	キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL. NO.	極数 CIRCUIT
MODEL NO.	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

GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
10 UNDER ±0.2	DRAWN BY DATE HSHIMABUKURO 2004/02/09	TITLE 0.8 B-T0-B WAFER ASSY SMT EMBSTP PKG -LEAD FREE-		
10 OVER 30 UNDER ±0.25	CHECKED BY DATE KTOJO 2004/02/09			
30 OVER ±0.3	APPROVED BY DATE MSASAO 2004/02/09			
ANGULAR ±3 °	MATERIAL NO.	DOCUMENT NO. SD-53307-014		SHEET NO. 2 OF 2
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

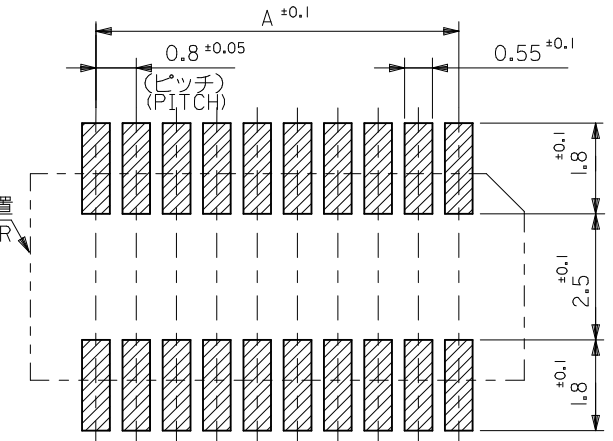
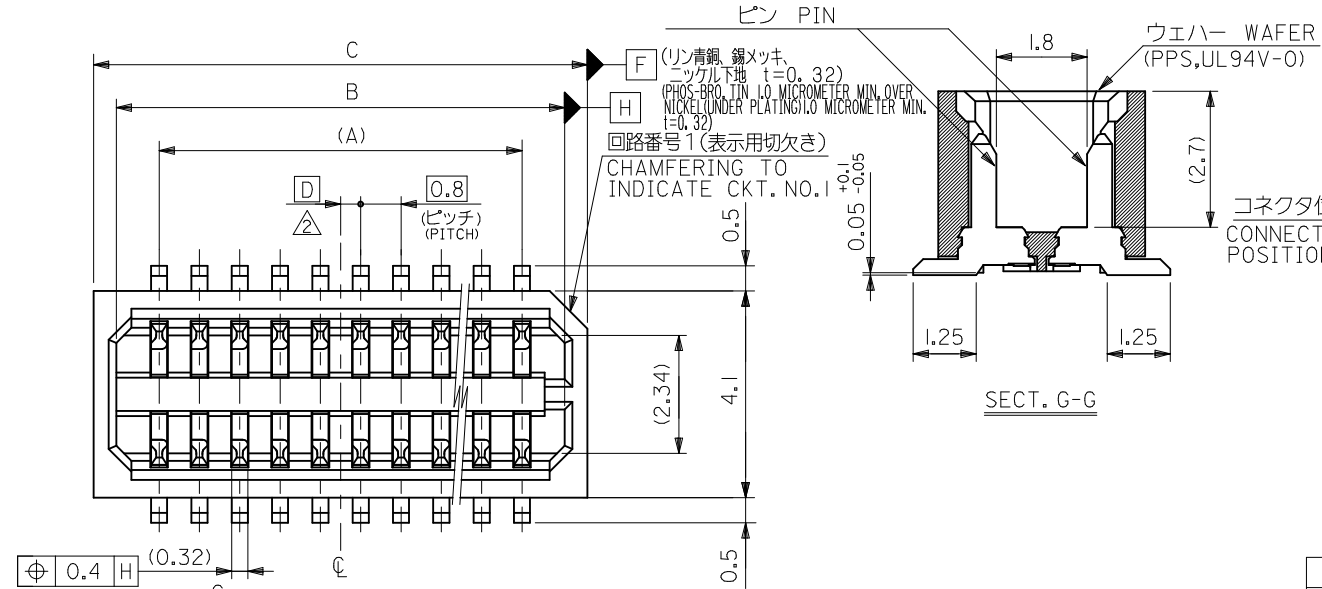
E

D

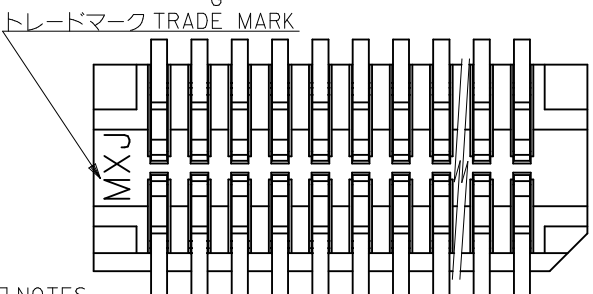
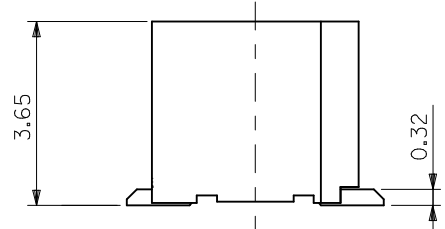
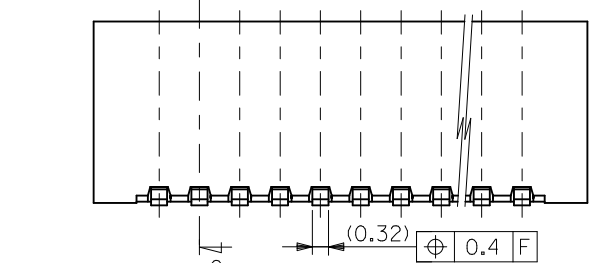
C

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

53307-**-28	MODEL NO.	D	C	B	A	MATERIAL NO.	極数	CKT.
REVISED	EC NO: J2010-1410	DRWN: TOSHIMA	CHKD: SMARUYAMA	APPR: MSASAO	2010/01/12	2010/01/12	2010/01/20	
GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC
10 UNDER				± 0.2		DRAWN BY HSHIMABUKURO		DATE 2004/02/09
10 OVER 30 UNDER				± 0.25		CHECKED BY KTOJO		DATE 2004/02/09
30 OVER				± 0.3		APPROVED BY MSASAO		DATE 2004/02/09
ANGULAR ± 3 °				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE CHART
SIZE A3				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DOCUMENT NO. SD-53307-015		SHEET NO. 1 OF 2

10 9 8 7 6 5 4 3 2 1

F F

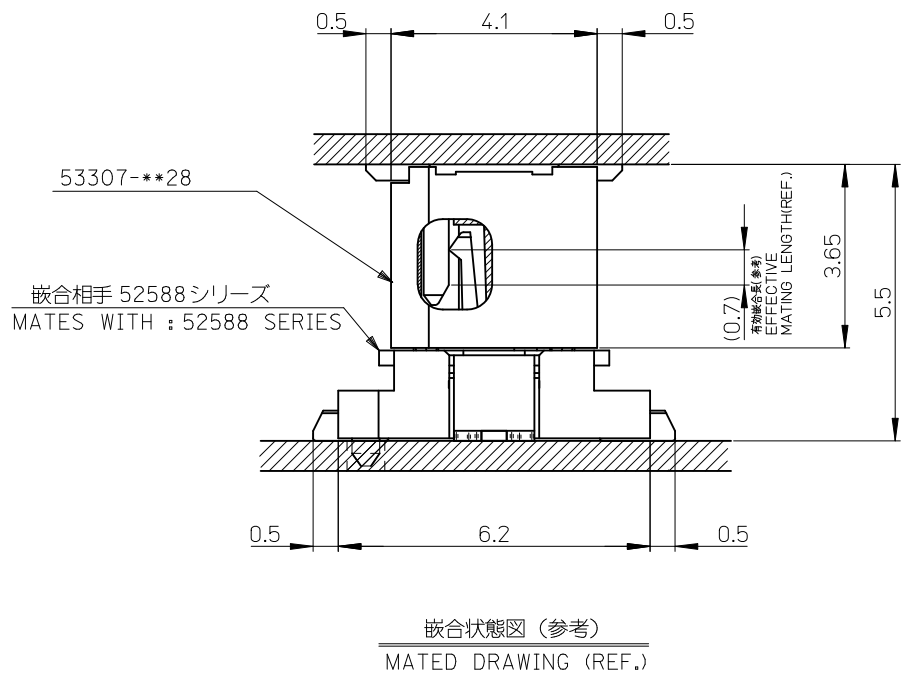
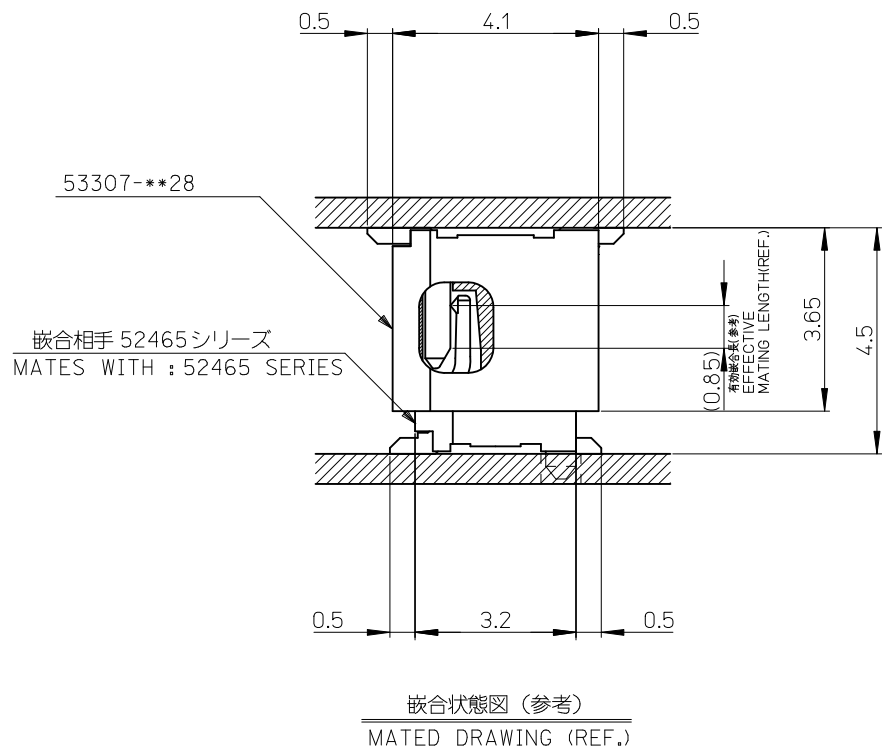
E E

D D

C C

B B

A A



REVISED		EC NO: J2010-1410		2010/01/12		53307-***28		MODEL NO.	
DRAWN: TOSHIMA		CHKD: SMARUYAMA		APPR: MSASAO		2010/01/12		2010/01/20	
DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS	
10 UNDER		± 0.2		MM ONLY		---		METRIC	
10 OVER 30 UNDER		± 0.25		DRAWN BY		DATE		THIRD ANGLE PROJECTION	
30 OVER		± 0.3		HSHIMABUKURO		2004/02/09		TITLE	
ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY		DATE		0.8 B/B CONN WAFER ASSY ST SMT -LEAD FREE-	
APPROVED BY		MSASAO		2004/02/09		MATERIAL NO.		MOLEX INCORPORATED	
© SEE CHART		DOCUMENT NO.		SD-53307-015		SHEET NO.		2 OF 2	
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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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