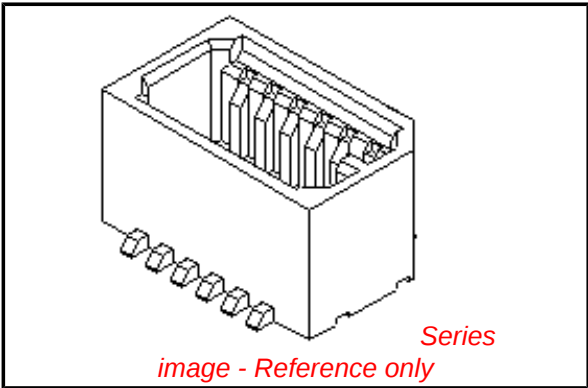


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0533071271](#)
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, 12 Circuits

Documents:	
3D Model	Product Specification PS-52465-015 (PDF)
Drawing (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)	12
Circuits (maximum)	12
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](#)

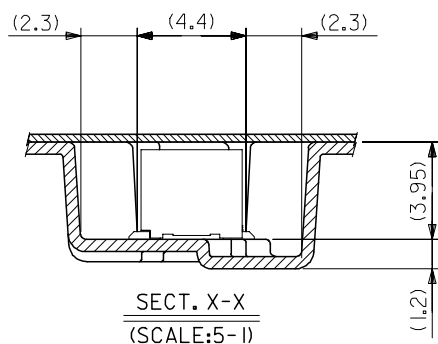
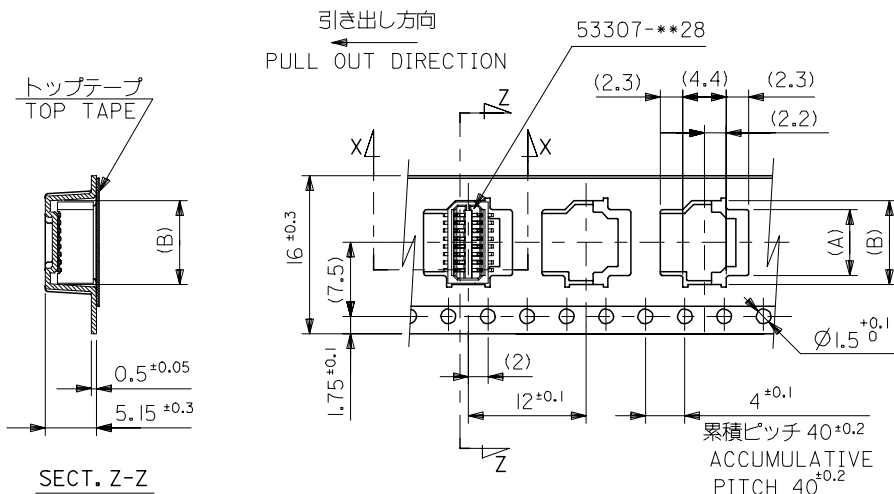
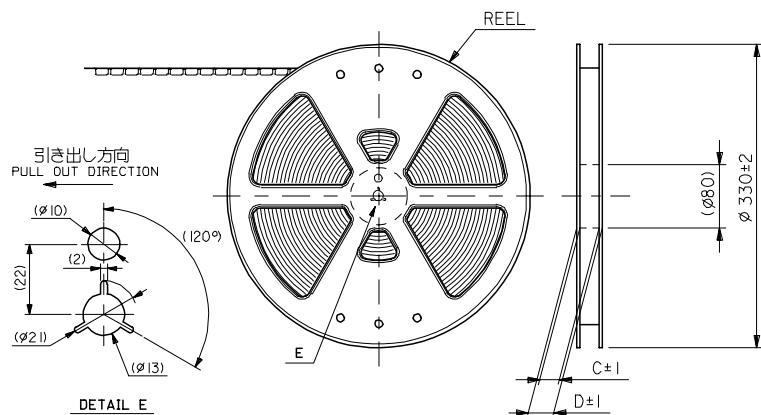
Please visit the [Contact Us](#) section for any non-product compliance questions.

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

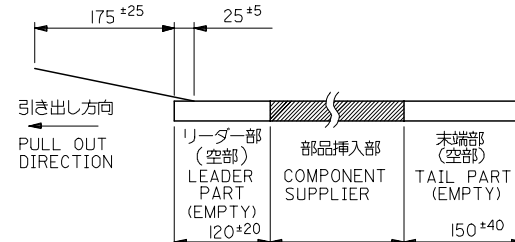


注記 NOTES

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。

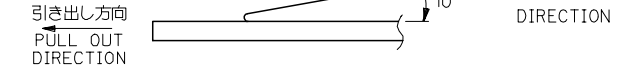
(但し、輸送時に剥離が発生しない事。)

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)

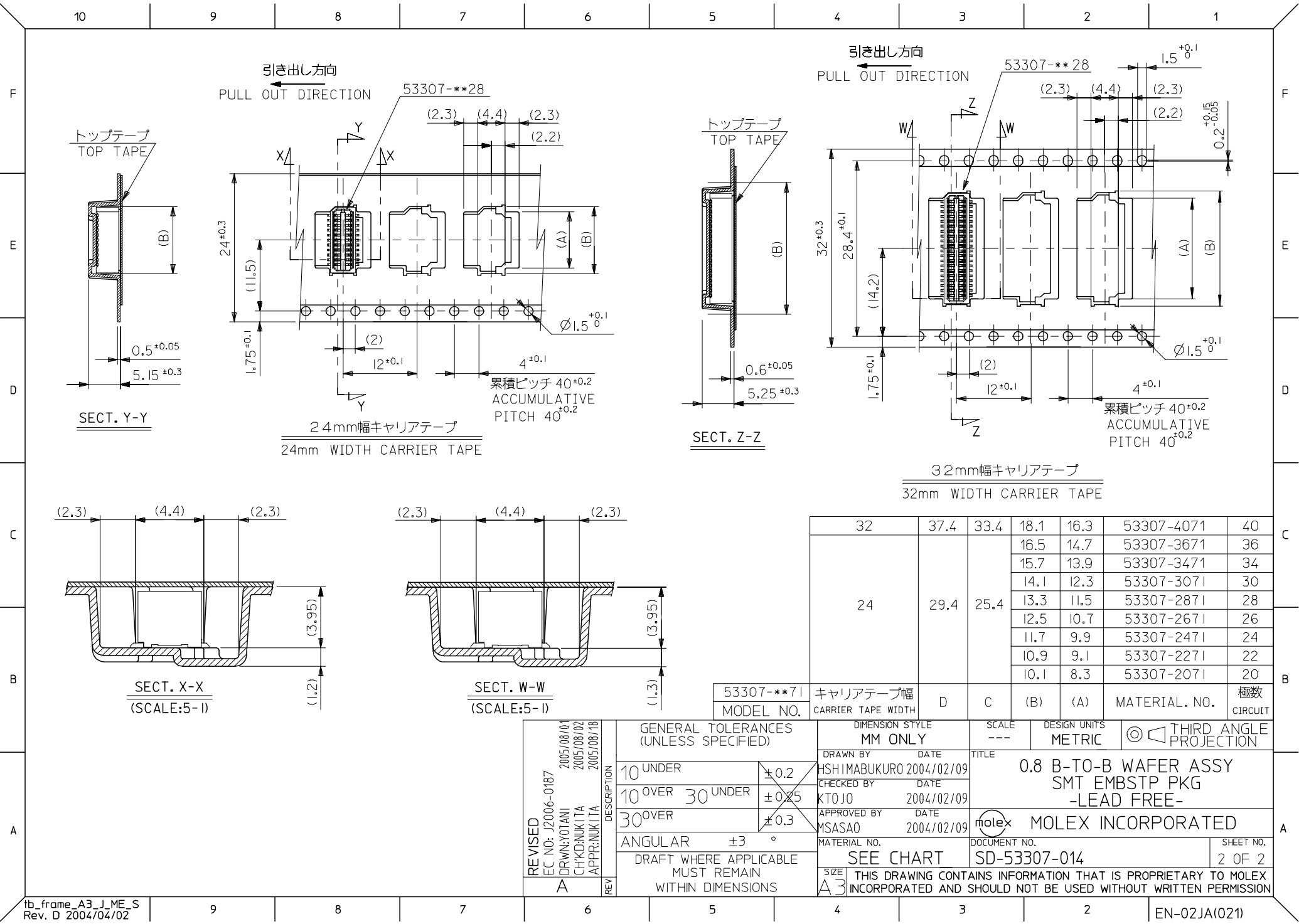
<リサイクル材を含む>

MATERIAL CARRIER TAPE: POLYPROPYLENE
TOP 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 CIRCUIT
MODEL. NO.	CARRIER TAPE WIDTH						

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	DATE	TITLE 0.8 B-TO-B WAFER ASSY SMT EMBSTP PKG -LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE				
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
		ANGULAR	±3 °	MATERIAL NO.	DOCUMENT NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53307-014		1 OF 2	
			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

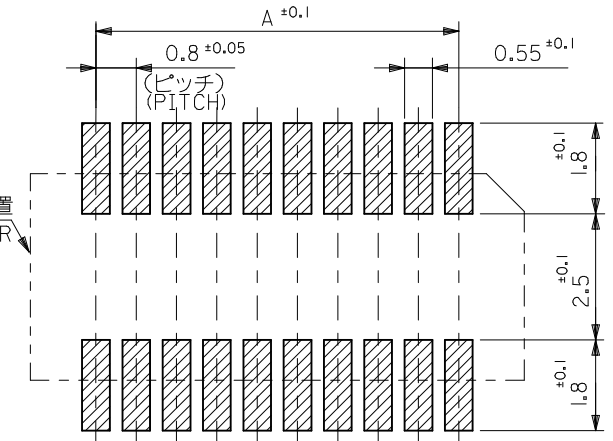
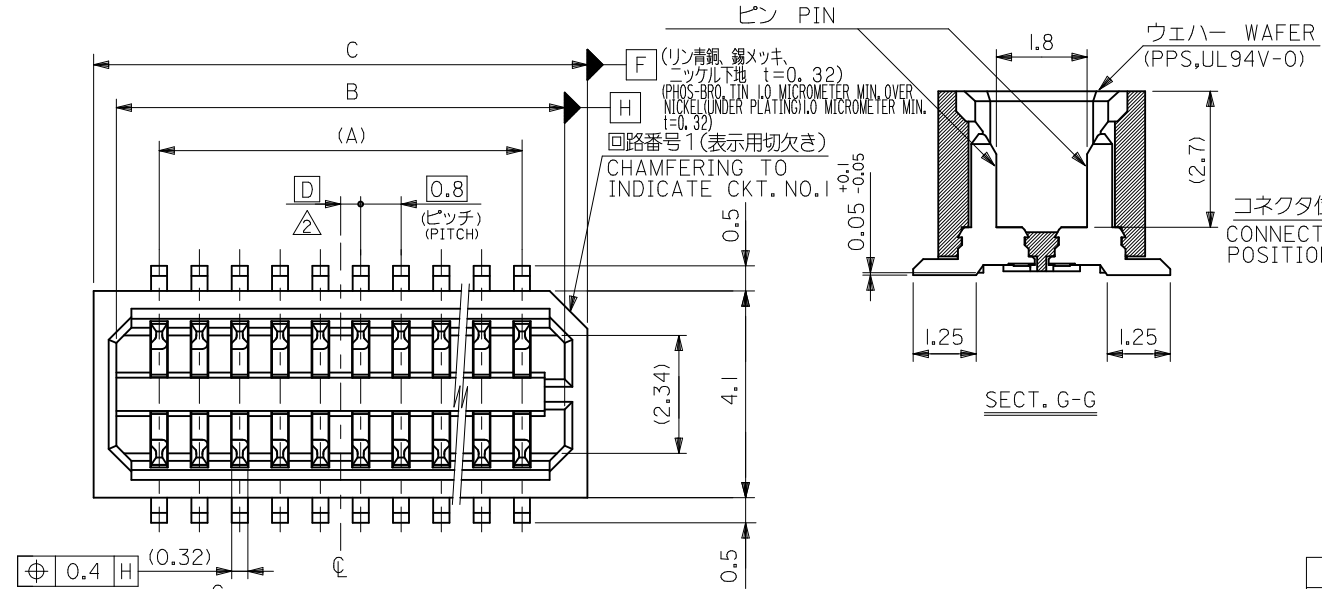
E

D

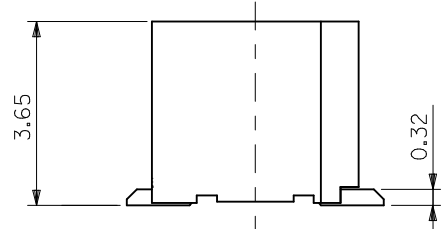
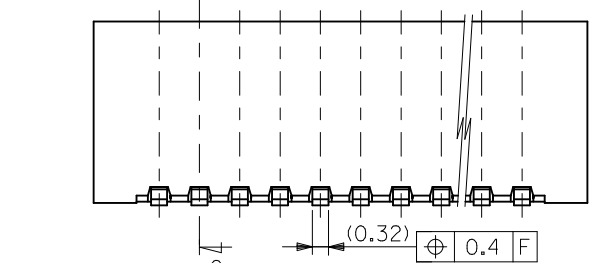
C

B

A



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



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 〇 から隣接するピンの 〇 迄の位置を示す。
SHOW POSITION FROM 〇 OF WAFER TO 〇 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 DRWN: TOSHIMA CHKD: MARUYAMA APPR: MSASAO REV D	DESCRIPTION 2010/01/12 2010/01/12 2010/01/20	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/B CONN WAFER ASSY ST SMT -LEAD FREE-		MOLEX INCORPORATED DOCUMENT NO. SD-53307-015 SHEET NO. 1 OF 2			
		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 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

10 9 8 7 6 5 4 3 2 1

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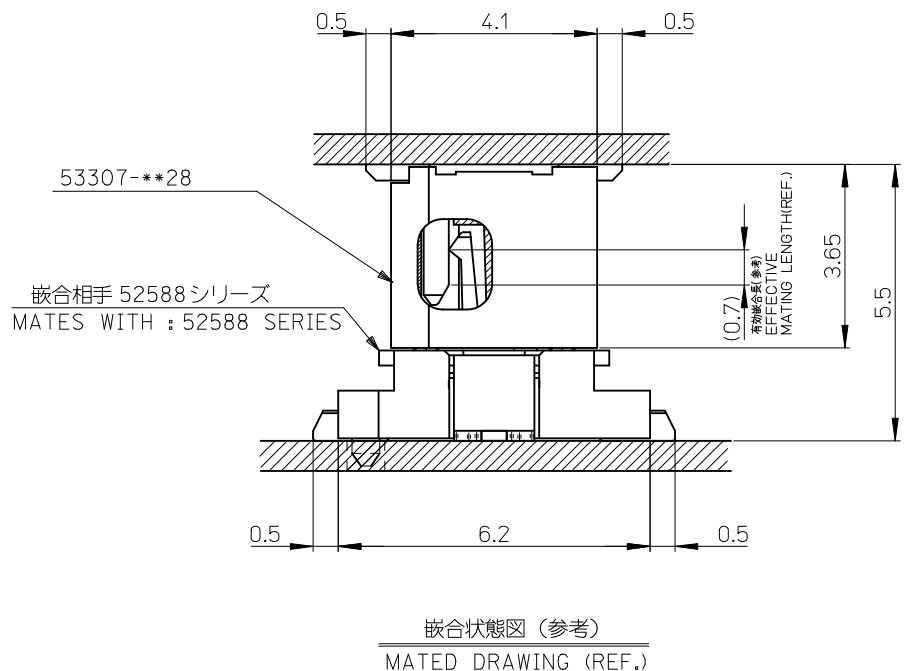
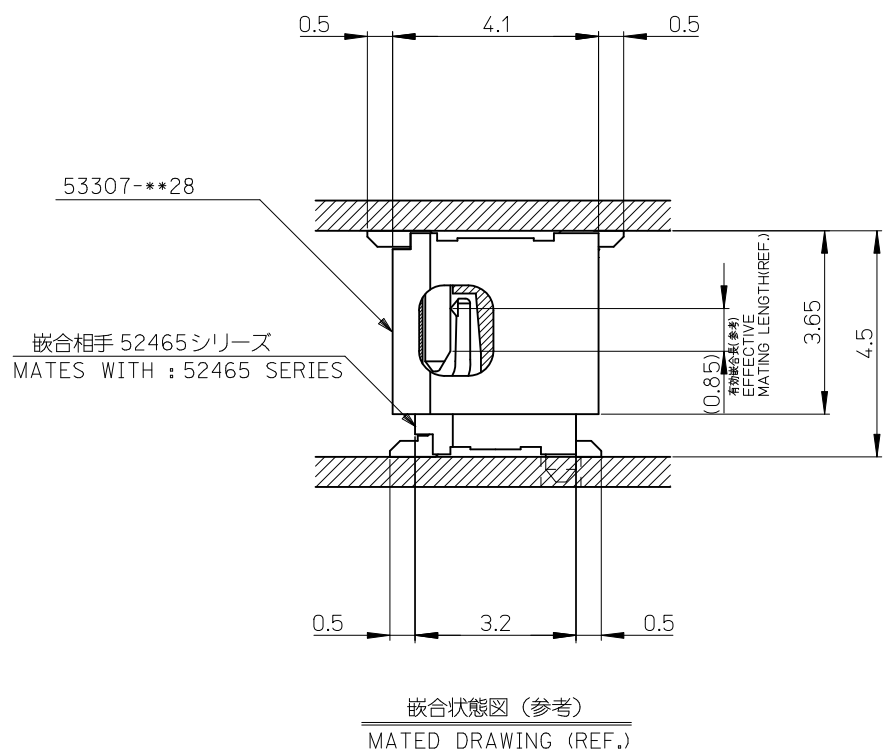
E E

D D

C C

B B

A A



REVISED		EC NO: J2010-1410		2010/01/12		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		APPROVED BY		DATE	
MATERIAL NO.		© SEE CHART		MOLEX INCORPORATED		DOCUMENT NO.		SD-53307-015	
SIZE		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.		2 OF 2	