

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0533073071](#)
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, 30 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)	30
Circuits (maximum)	30
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

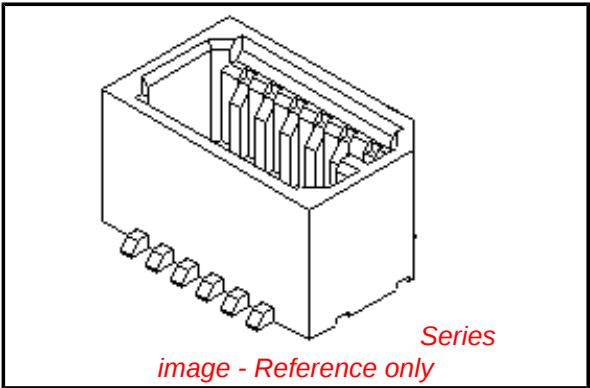
Electrical

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

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-53307-001
-------------------------	---------------



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](#)

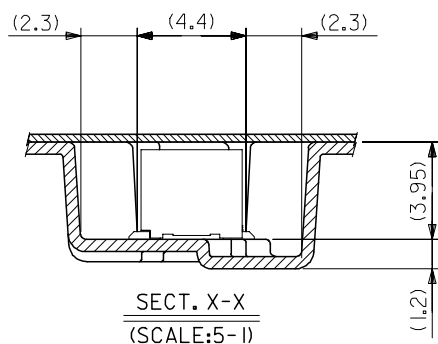
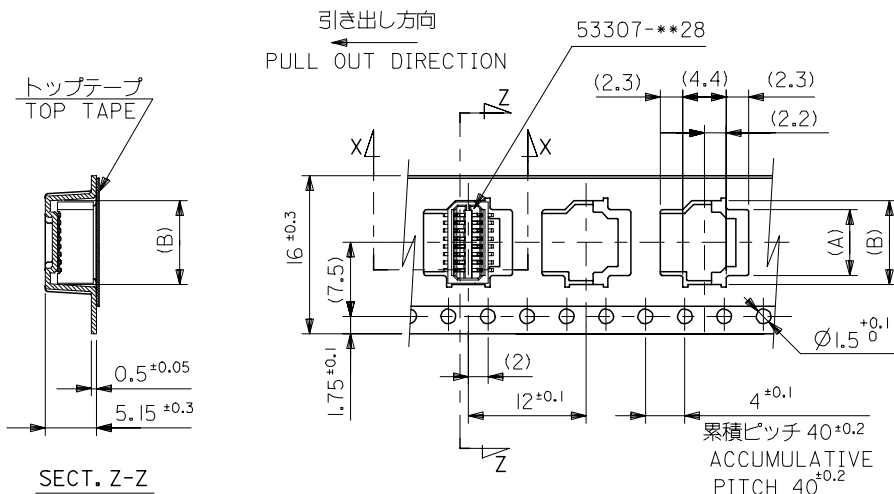
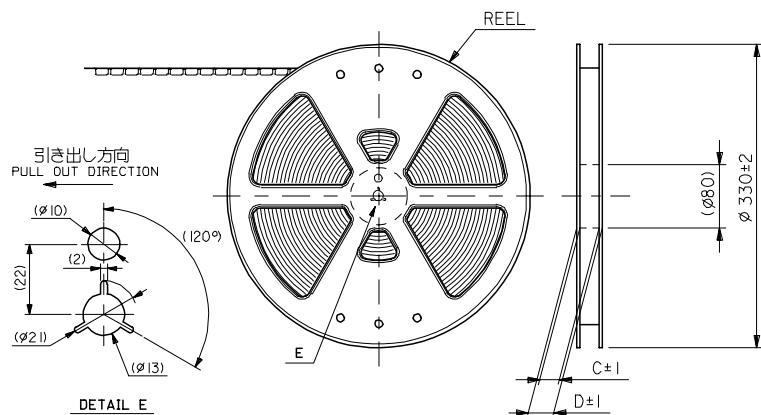
Product Specification

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

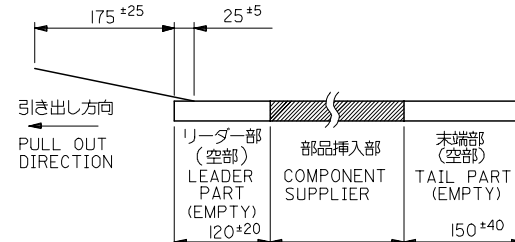


注記 NOTES

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 未接合部 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

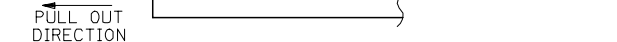
0.1N~1.3N {10gf~130gf}

(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

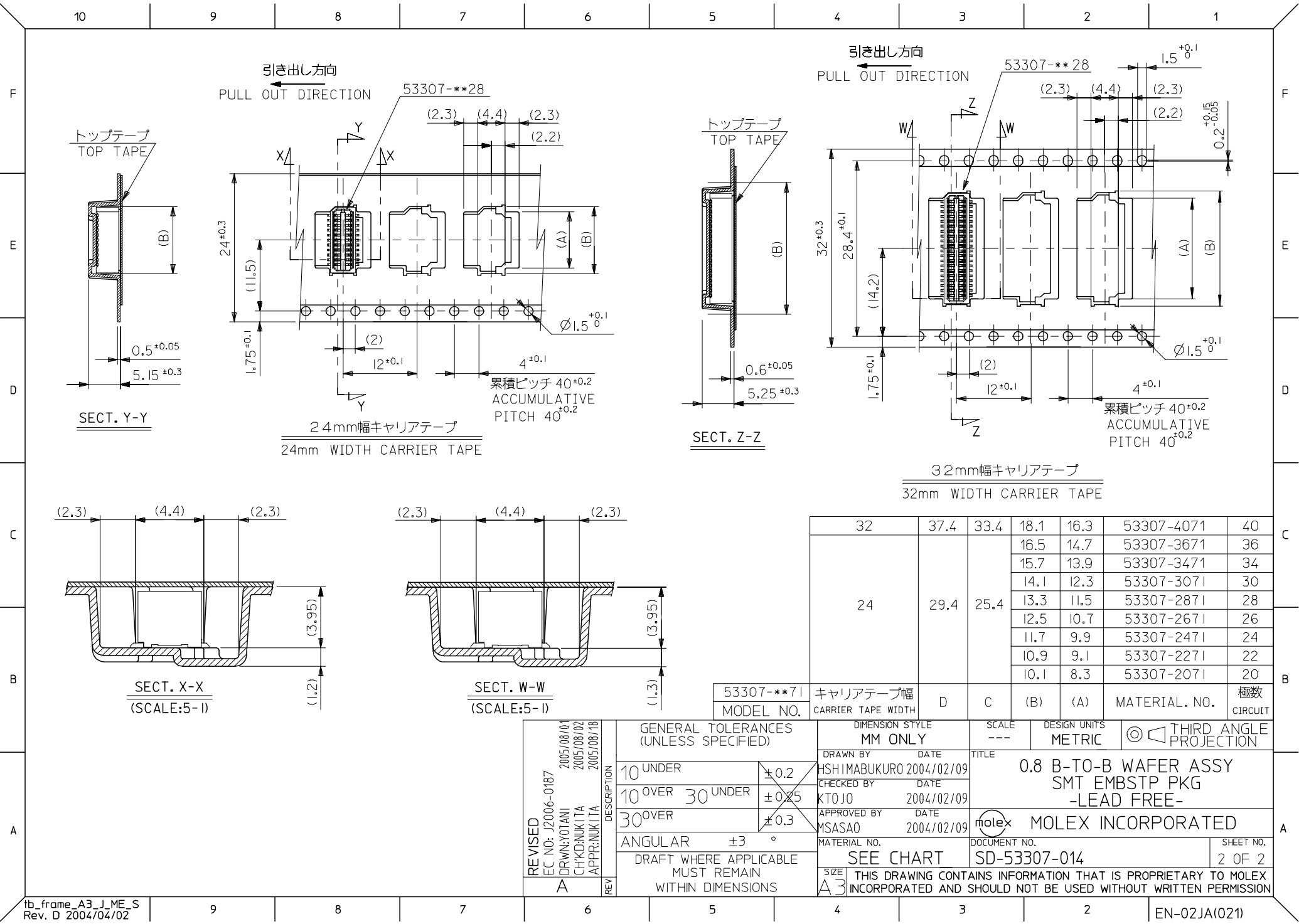
CONTAINED>

5. 本製品は 53307-***91 の鉛フリー品である。

THIS PRODUCT IS LEAD FREE OF 53307-***91

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	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 INCORPORATED			
		ANGULAR ±3 °	MATERIAL NO.		DOCUMENT 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						



F

E

D

C

B

A

F

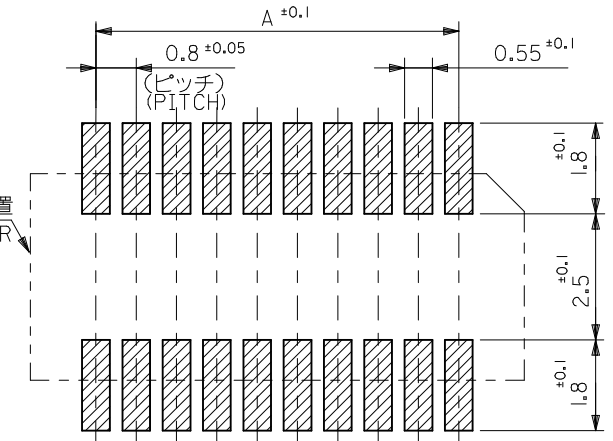
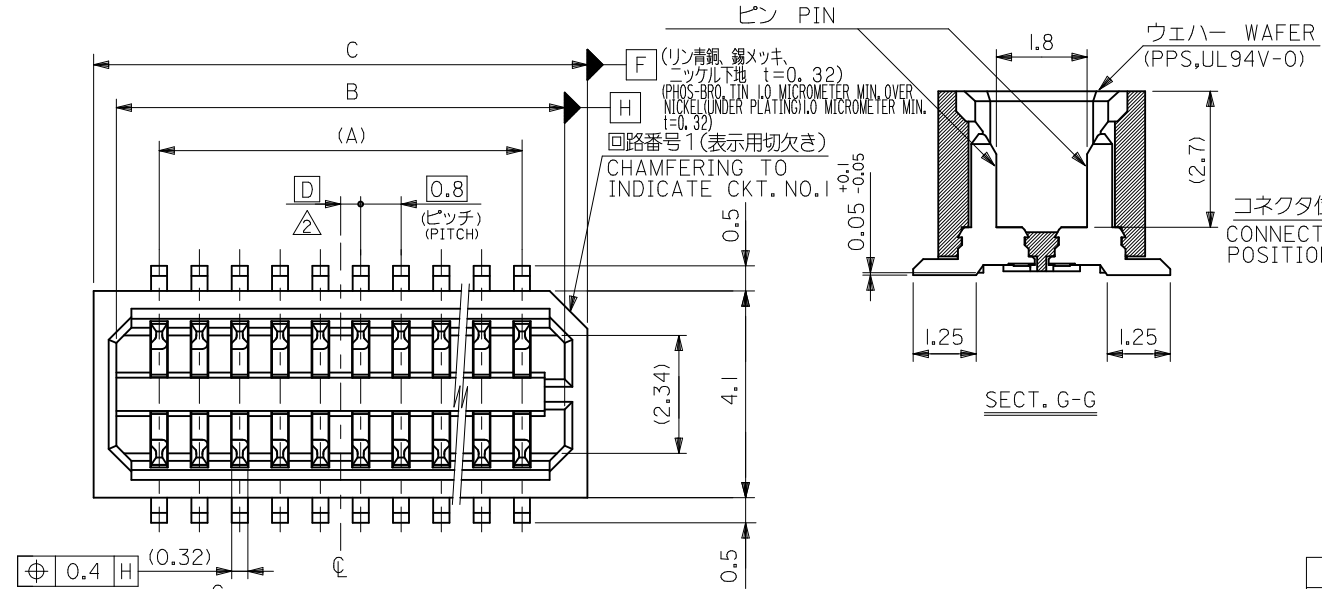
E

D

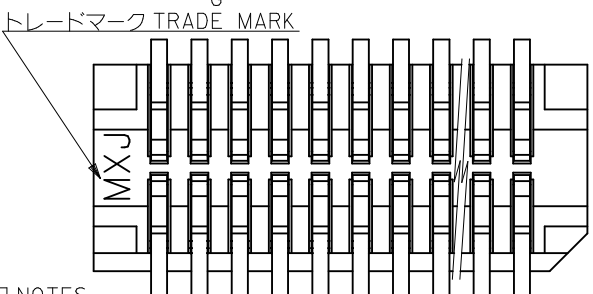
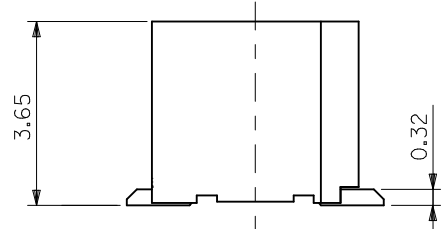
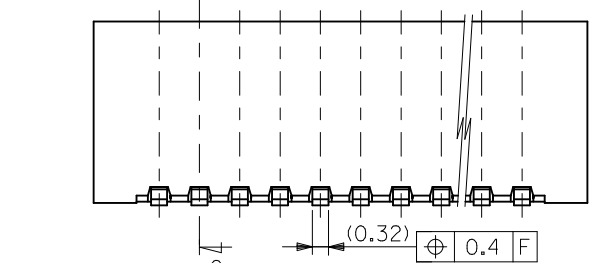
C

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 ② から隣接するピンの ② の位置を示す。
SHOW POSITION FROM ② OF WAFER TO ② 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		TITLE 0.8 B/B CONN WAFER ASSY	
10 OVER 30 UNDER ±0.25		CHECKED BY KTOJO		DATE 2004/02/09		ST SMT	
30 OVER ±0.3		APPROVED BY MSASAO		DATE 2004/02/09		-LEAD FREE-	
ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53307-015		1 OF 2	
SIZE A3		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

F F

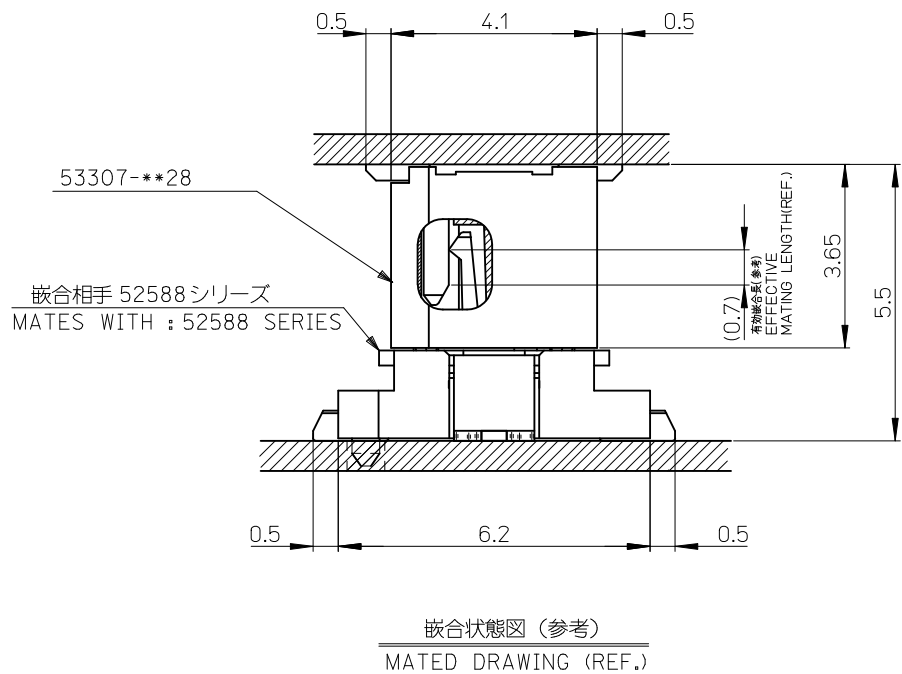
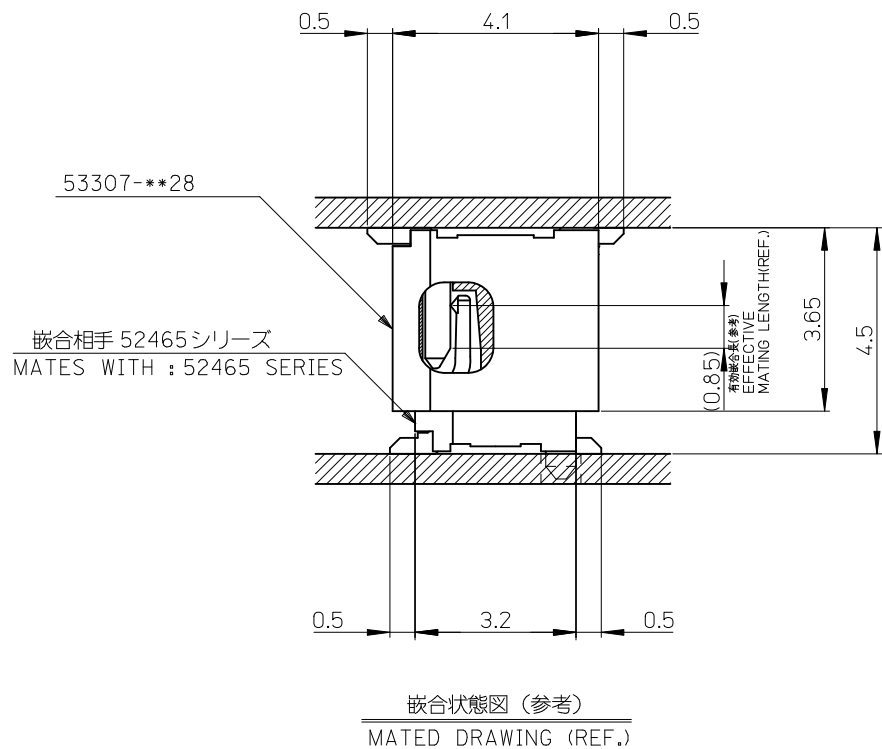
E E

D D

C C

B B

A A



REVISED EC NO: J2010-1410 DRAWN: TOSHIMA CHKD: SMARUYAMA APPR: MSASAO	DESCRIPTION 2010/01/12 2010/01/12 2010/01/20	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		---	METRIC		
		10 UNDER		± 0.2	DRAWN BY DATE		TITLE 0.8 B/B CONN WAFER ASSY ST SMT -LEAD FREE-		
		10 OVER 30 UNDER		± 0.25	CHECKED BY DATE				
		30 OVER		± 0.3	APPROVED BY DATE				
	ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		© SEE CHART		SD-53307-015		2 OF 2			
D	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							