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Part Number:

0533072471

Status:

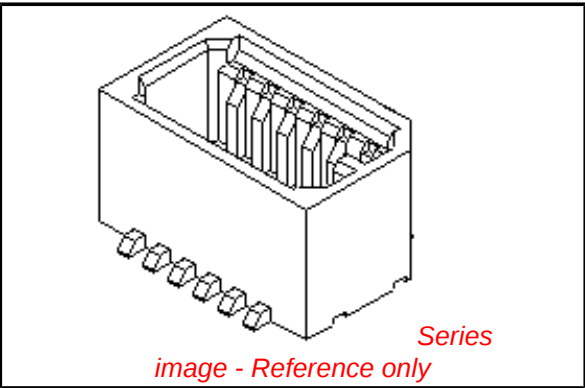
Active

Description:

0.80mm (.031") Pitch Header, Surface Mount, Dual Row, Vertical Stacking, 4.50 and 5.50mm (.177 and .217") Stacking Heights, Lead-free, 24 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)	24
Circuits (maximum)	24
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

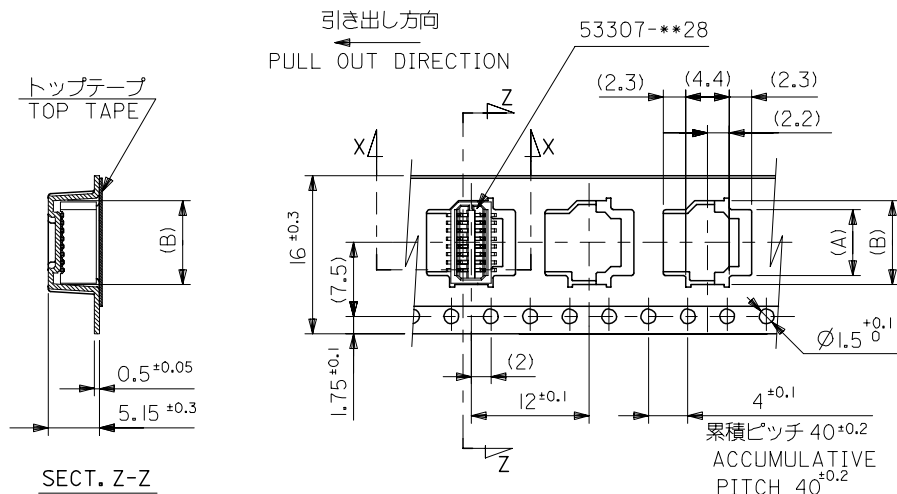
53307Series

Mates With

Board-to-Board Receptacle 52465 , 52588

This document was generated on 06/07/2010

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- Diagram illustrating the dimensions and components of the tape structure:
- TOP TAPE LEADER PART** (トッパテープ 未接着部): Dimensions are 175 ± 25 and 25 ± 5 .
 - TOP TAPE NON-BONDED PART** (トッパテープ 未接着部): Dimensions are 175 ± 25 and 25 ± 5 .
 - PULL OUT DIRECTION** (引き出し方向): Indicated by an arrow pointing left.
 - LEADER PART (EMPTY)** (リーダー部 (空部)): Dimensions are 120 ± 20 .
 - COMPONENT SUPPLIER** (部品挿入部): The central section of the tape.
 - TAIL PART (EMPTY)** (末端部 (空部)): Dimensions are 150 ± 40 .

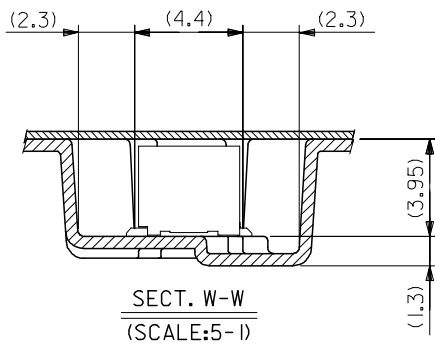
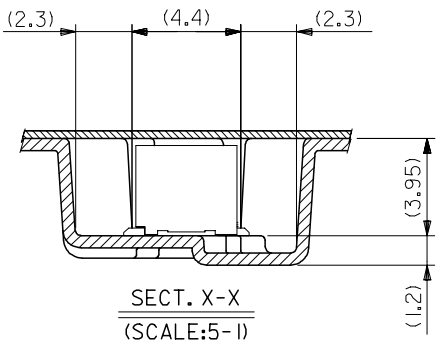
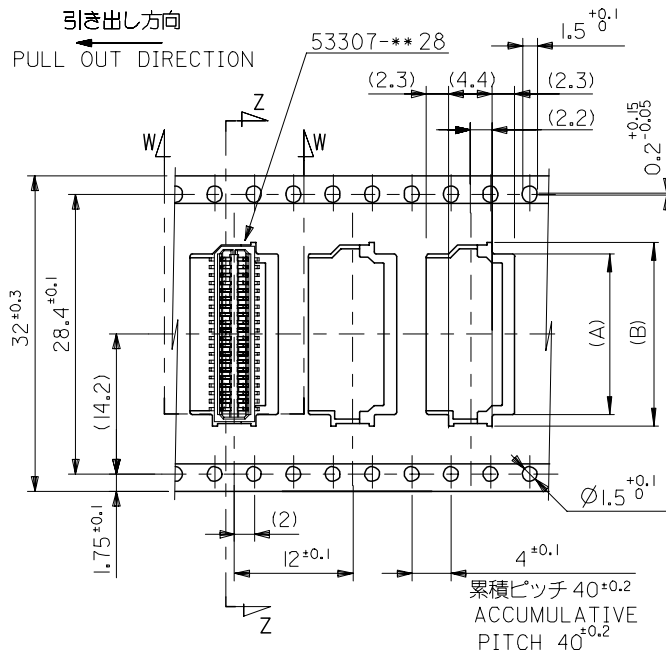
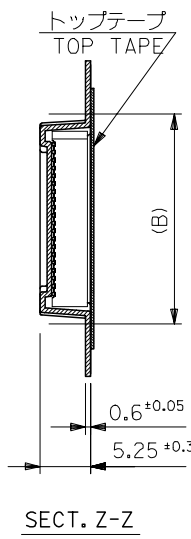
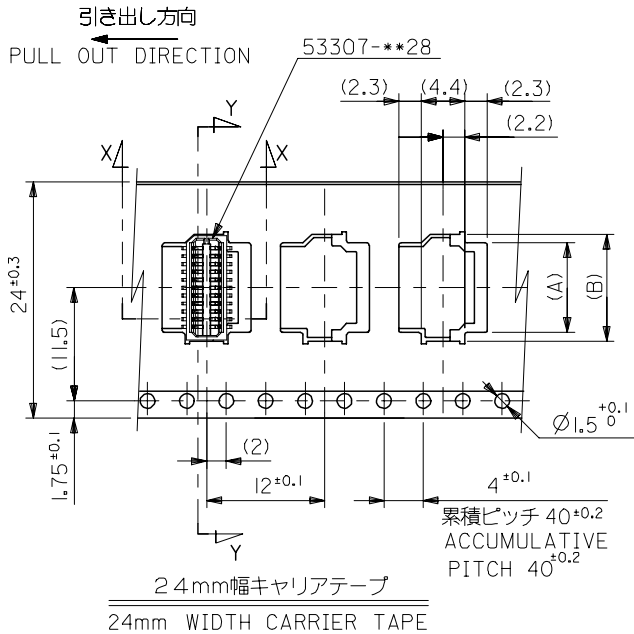
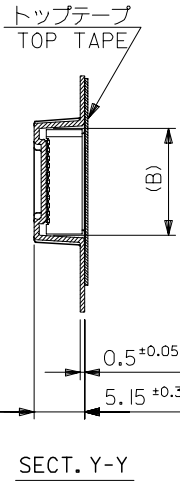
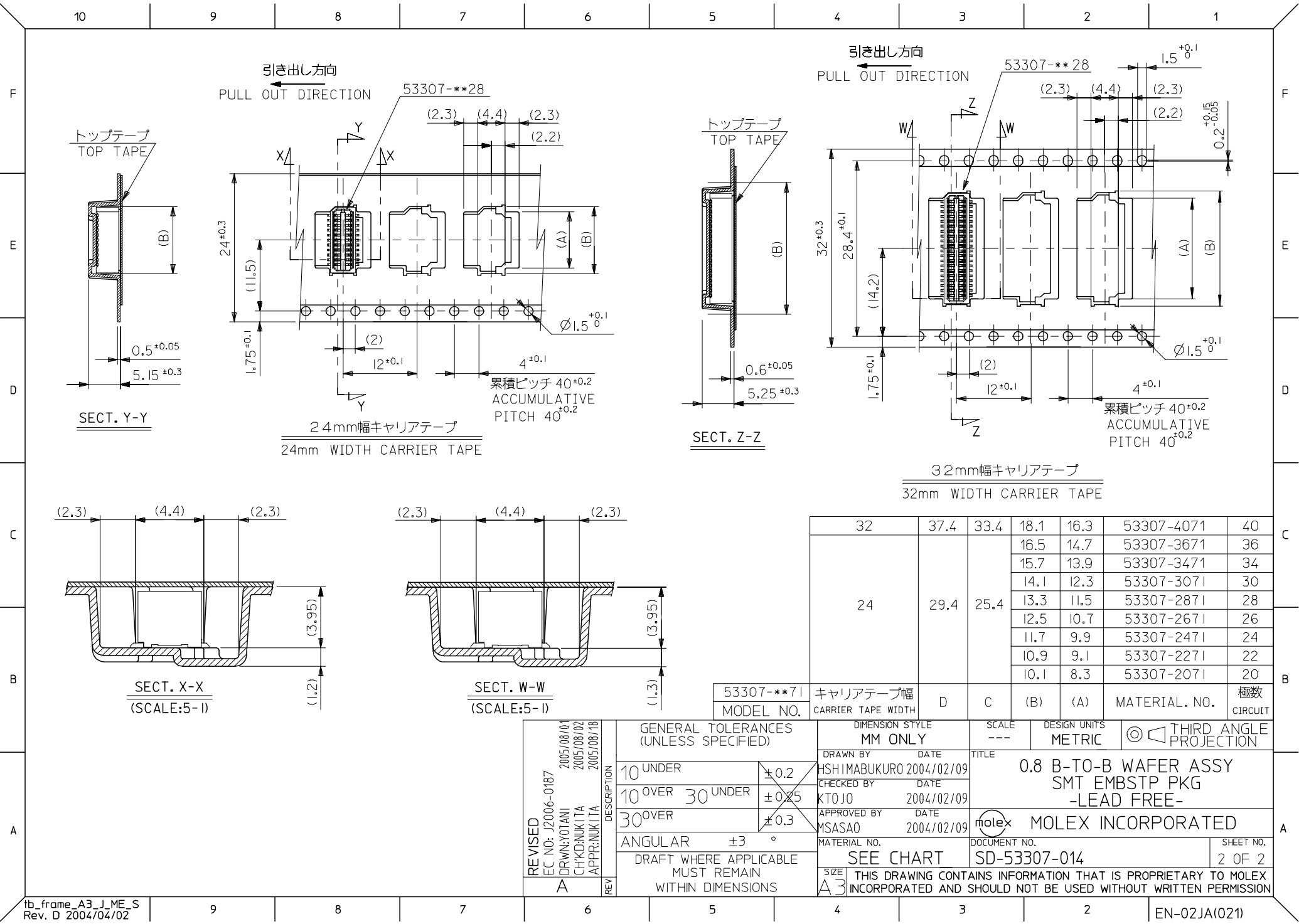
3. トップテープの剥離強度：(剥離方向は下図参照)
0.1N~1.3N {10gf~130gf} 尚、本規格値は、出荷時に適用。
(但し、輸送時に剥離が発生しない事。)
PEELING OFF FORCE OF TOP TAPE
0.1N~1.3N(10gf~130gf) (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
PEEL OFF SHOULD NOT BE ALLOWED,
DURING TRANSPORTATION
-
- 引き出し方向
PULL OUT
DIRECTION
- 10°
- 剥離方向
PEEL OFF
DIRECTION

- | DIRECTION | MATERIAL |
|-----------------------|------------------------------|
| 4. 材料 | |
| キャリアテープ: ポリプロピレン (PP) | CARRIER TAPE: POLYPROPYLENE |
| トップテープ: PET, PE, PEF | TOP TAPE: PET, PE, PEF |
| リール: ポリスチレン (PS) | REEL: POLYSTYRENE(PS) |
| <リサイクル材を含む> | <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
MODEL. NO.	CARRIER TAPE WIDTH						CIRCUIT

REVISED EC NO: J2006-0187 DRAWN: YOTANI CHKD: NUKITA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY HSH1MABUKURO	DATE 2004/02/09	TITLE 0.8 B-T-O-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.	
	A	REV	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									



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

REVISED

EC NO: J2006-0187

2005/08/01

2005/08/02

2005/08/18

DRWN:YOTANI

CHKD:NUKI TA

APPR:NUKI TA

DESCRIPTION

10 UNDER

±0.2

10 OVER 30 UNDER

±0.25

30 OVER

±0.3

ANGULAR

±3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

REV

A

GENERAL TOLERANCES
(UNLESS SPECIFIED)

DIMENSION STYLE
MM ONLY

DRAWN BY DATE

CHECKED BY DATE

APPROVED BY DATE

MATERIAL NO.

SIZE

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE

0.8 B-T0-B WAFER ASSY
SMT EMBSTP PKG
-LEAD FREE-

MOLEX MOLEX INCORPORATED

DOCUMENT NO.

SD-53307-014

SHEET NO.

2 OF 2

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10 9 8 7 6 5 4 3 2 1

F F

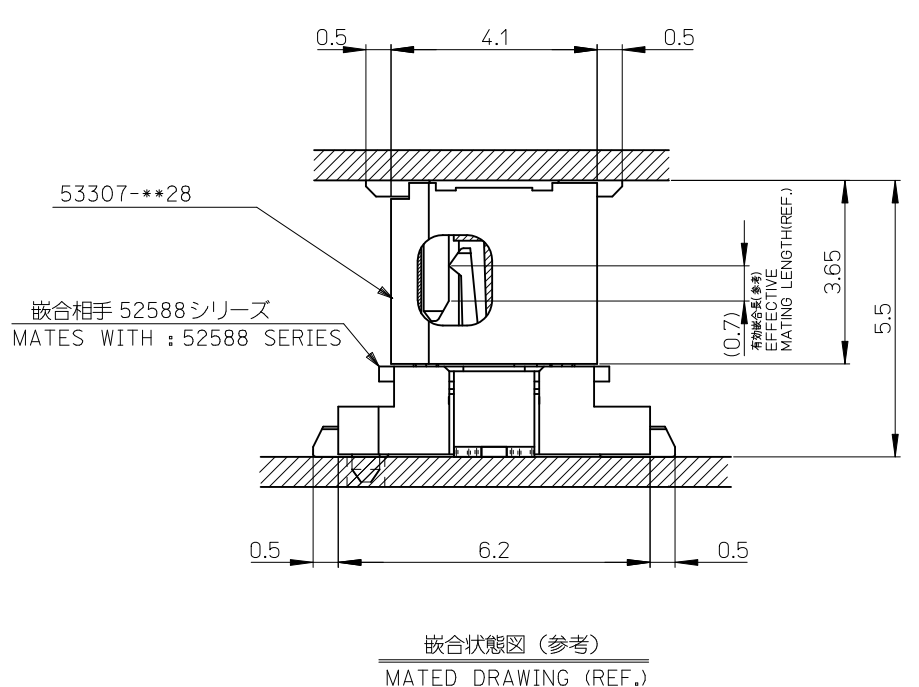
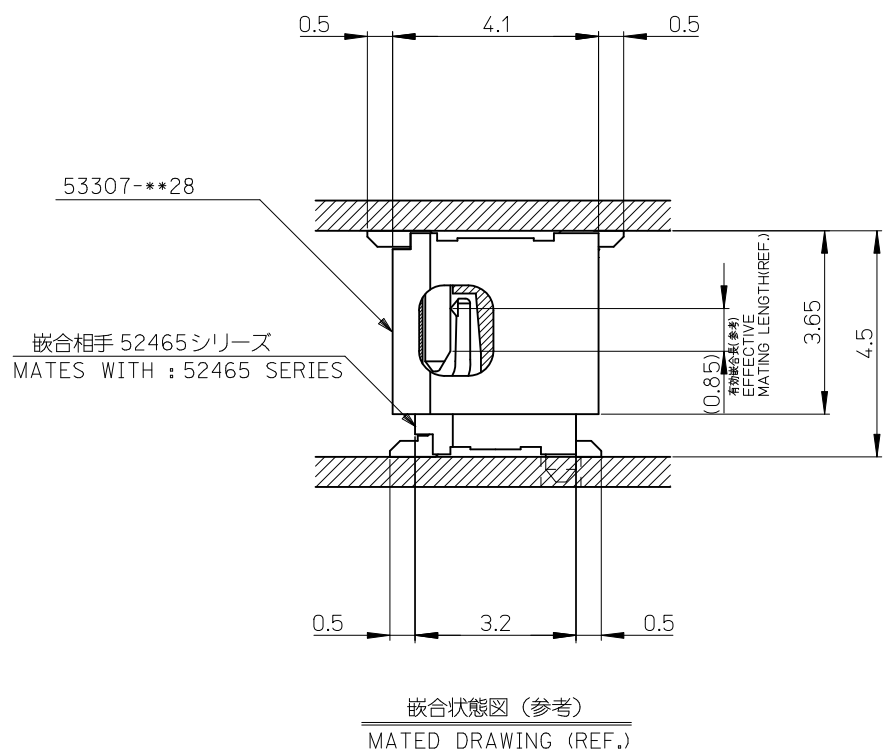
E E

D D

C C

B B

A A



REVISED		EC NO: J2010-1410		2010/01/12		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		53307-**-28		MODEL NO.	
TITLE		0.8 B/B CONN WAFER ASSY		ST SMT		-LEAD FREE-		MOLEX INCORPORATED		THIRD ANGLE PROJECTION		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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