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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 \(PDF\)](#)

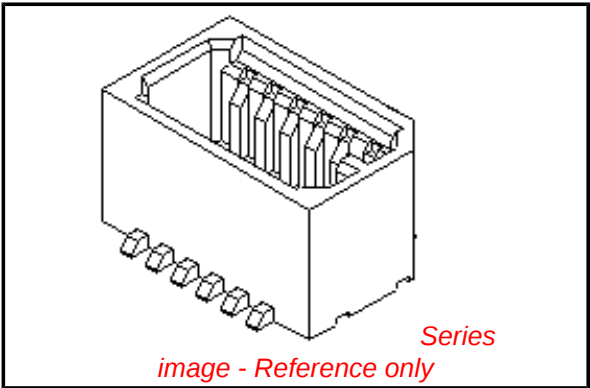
General	
Product Family	PCB Headers
Series	53307
Application	Board-to-Board
Product Name	N/A
Physical	
Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	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.

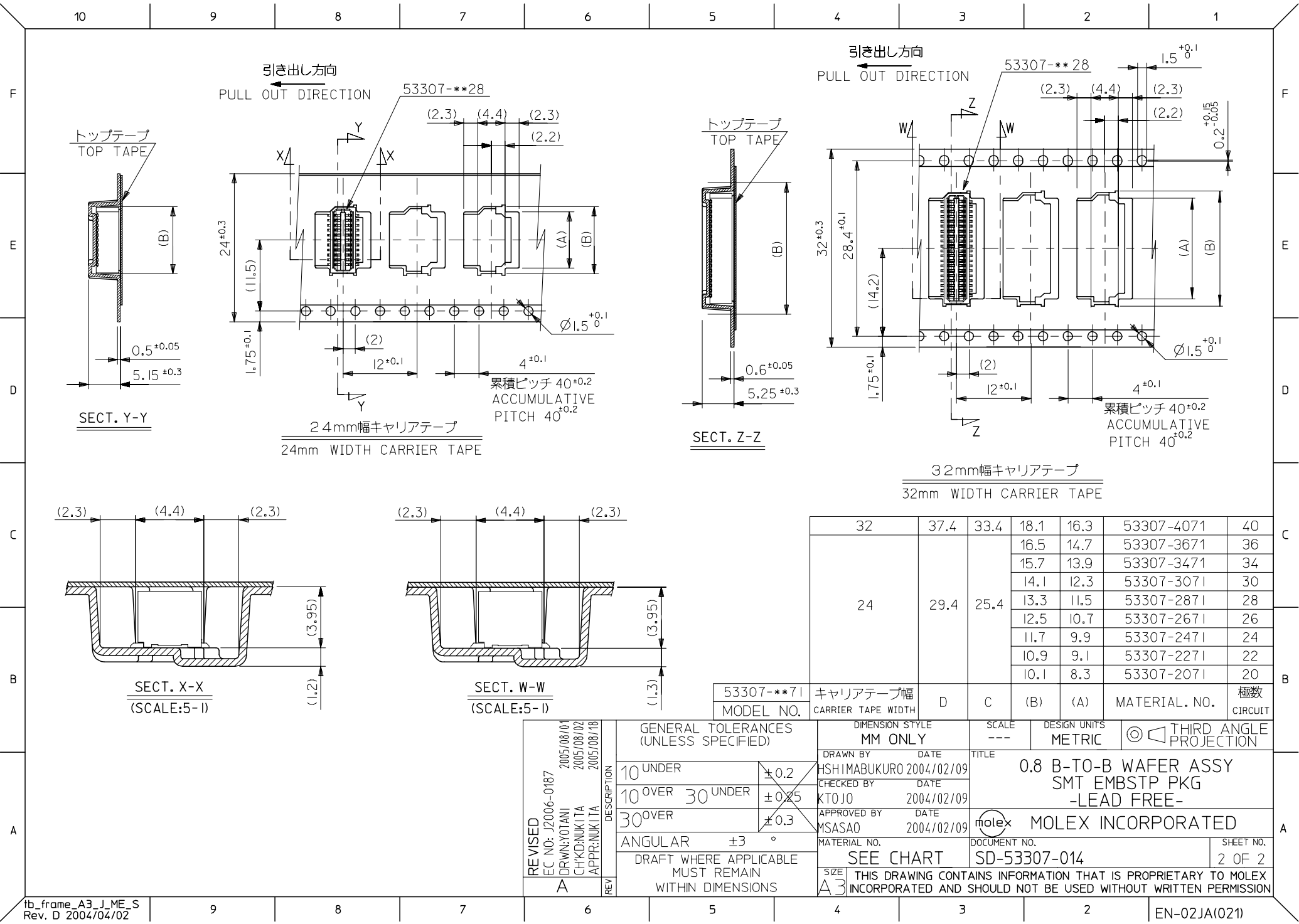
Search Parts in this Series
[53307Series](#)

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

This document was generated on 06/07/2010

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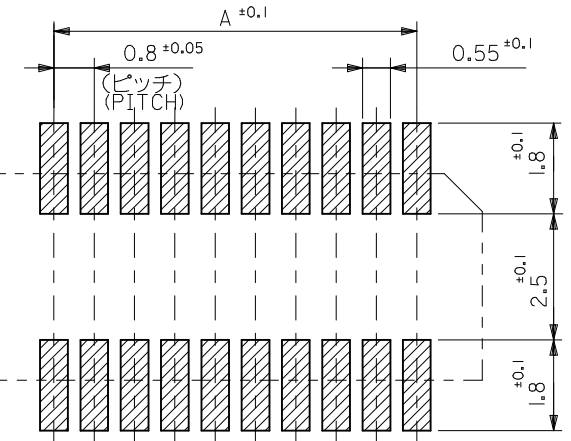
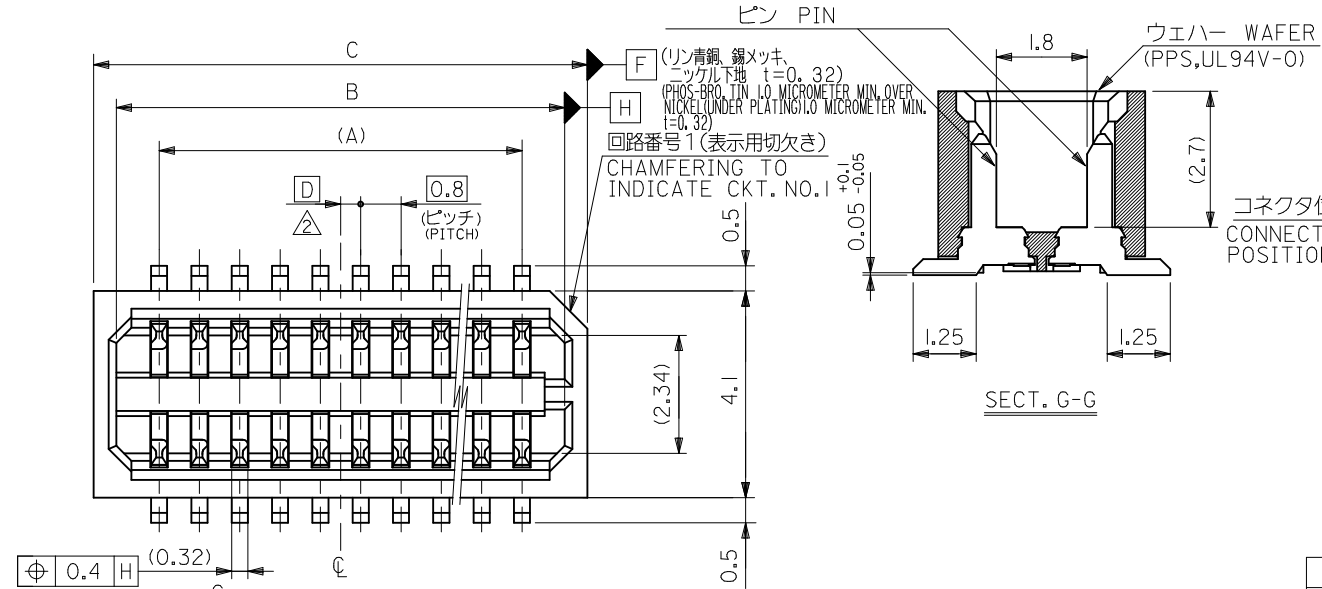
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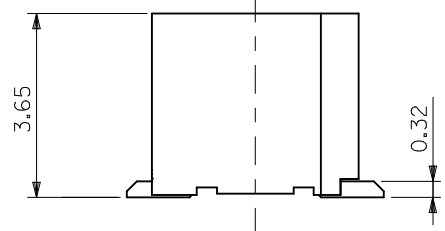
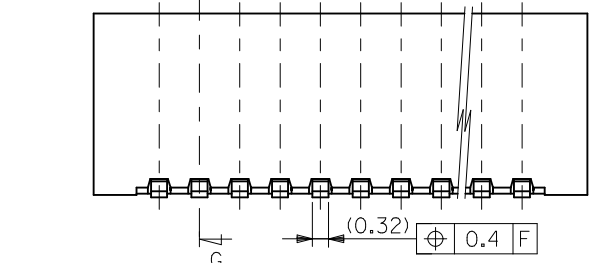
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参考基板レイアウト (マウント面)
P.C.B. PATTERN LAYOUT (REF.) (MOUNT AREA)



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 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

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		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		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									

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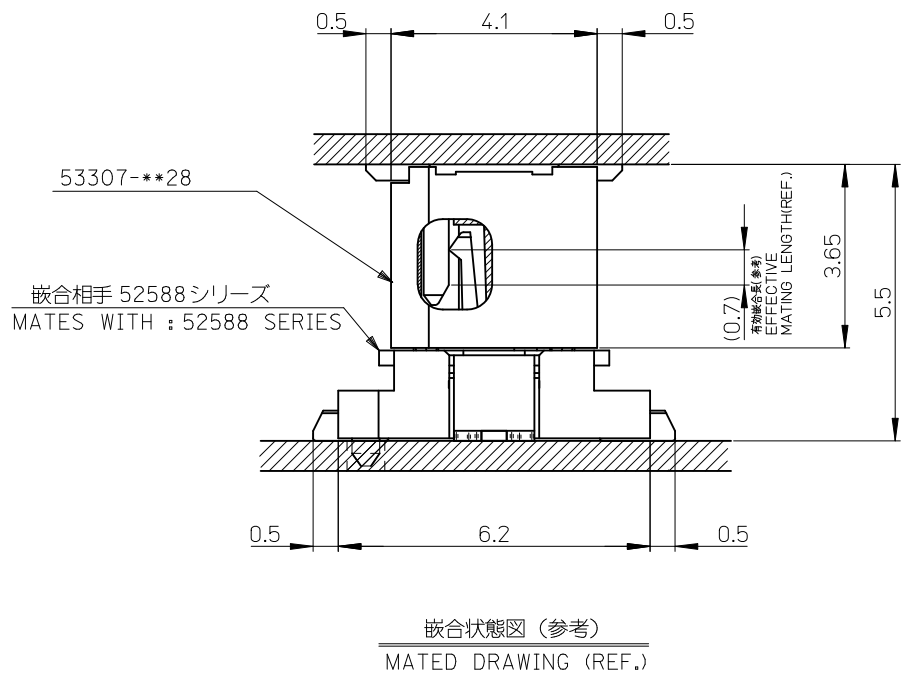
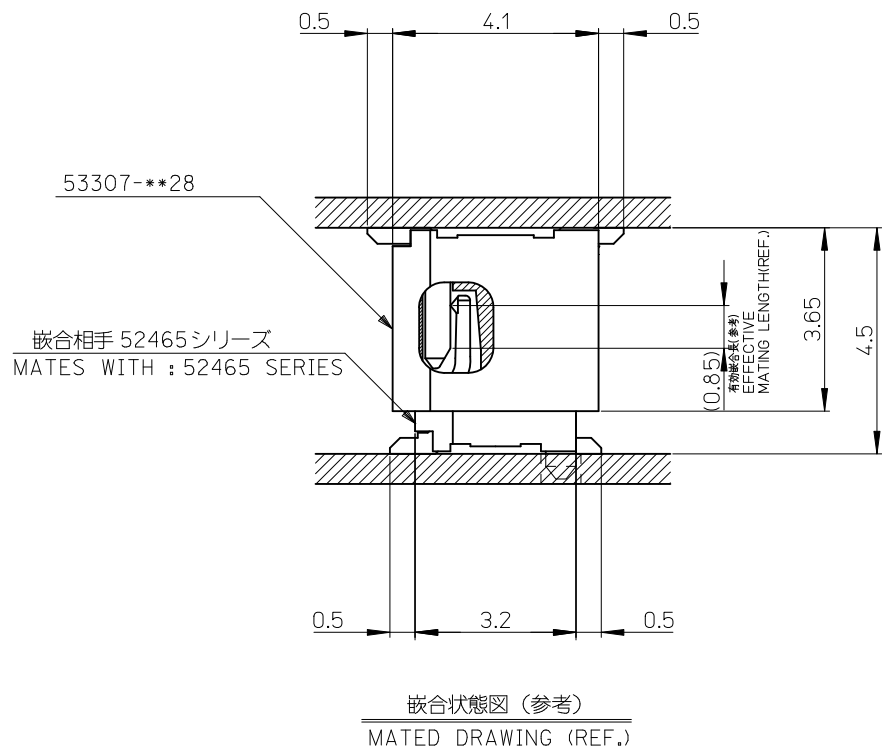
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REVISED		EC NO: J2010-1410		2010/01/12		DRWN:TOSHIMA		2010/01/12		CHKD:SMARUYAMA		2010/01/20		APPR:MSASAO		2010/01/20		DESCRIPTION		REV	
GENERAL TOLERANCES (UNLESS SPECIFIED)		10 UNDER		± 0.2		10 OVER 30 UNDER		± 0.25		30 OVER		± 0.3		ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION STYLE MM ONLY		SCALE ---	
DRAWN BY		DATE		CHECKED BY		DATE		APPROVED BY		DATE		MATERIAL NO.		© SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		53307-***28		MODEL NO.	
HSHIMABUKURO		2004/02/09		KTOJO		2004/02/09		MSASAO		2004/02/09		SD-53307-015		SHEET NO. 2 OF 2		0.8 B/B CONN WAFER ASSY ST SMT -LEAD FREE-		MOLEX INCORPORATED		THIRD ANGLE PROJECTION	

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