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Part Number: [0533092270](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Board-to-Board Header, Surface Mount, Dual Row, Right Angle, Lead-free, 22 Circuits

Documents:

- | | |
|--|--|
| 3D Model | Product Specification PS-52588-031 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-52465-014 (PDF) | |

General

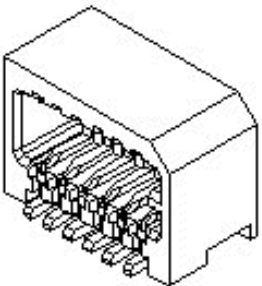
Product Family	PCB Headers
Series	53309
Application	Board-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height (in)	0.222 In
Mated Height (mm)	5.65 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.016 In
PC Tail Length (in)	0.020 In
PC Tail Length (mm)	0.40 mm
PC Tail Length (mm)	0.50 mm
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)	40
Plating min: Mating (µm)	1
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum	0.5A
Voltage - Maximum	50V



Series image - Reference only

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

Search Parts in this Series
[53309](#) Series

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

Material Info

Reference - Drawing Numbers

Product Specification	PS-52465-014
Product Specification	PS-52588-031
Product Specification	RPS-52465-042
Product Specification	RPS-52465-047
Product Specification	RPS-52465-049
Product Specification	RPS-52588-040
Product Specification	RPS-52588-041
Sales Drawing	SD-53309-011
Sales Drawing	SD-53309-012

This document was generated on 11/05/2009

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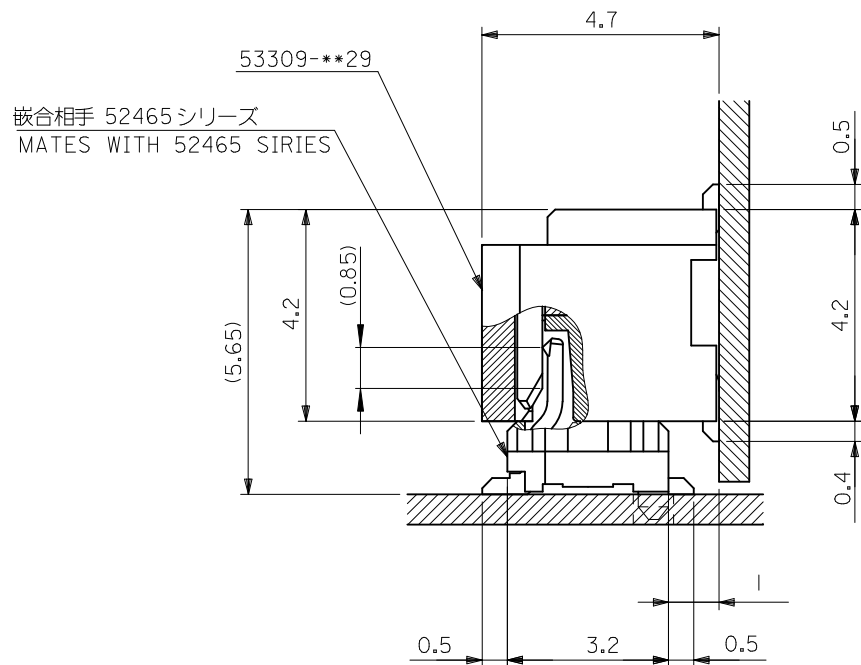
E

D

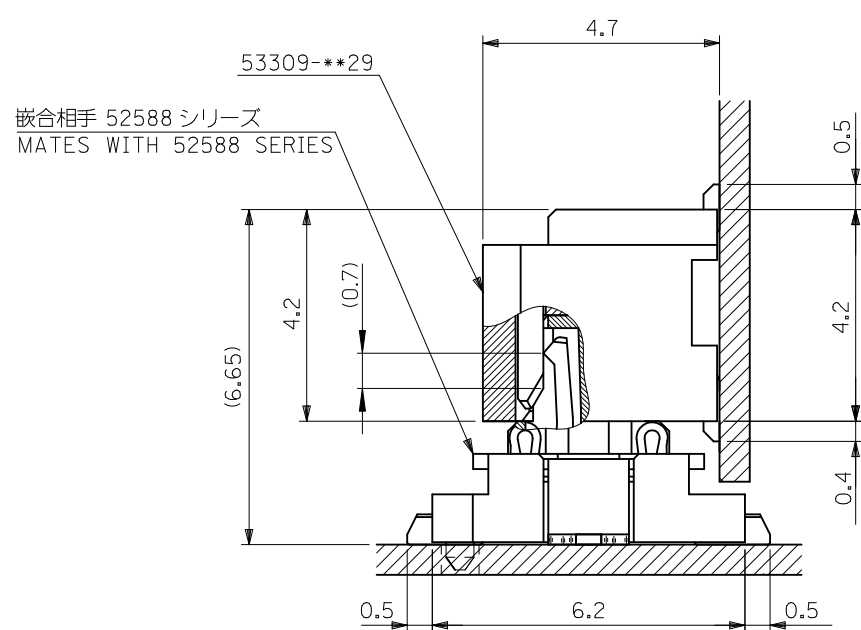
C

B

A

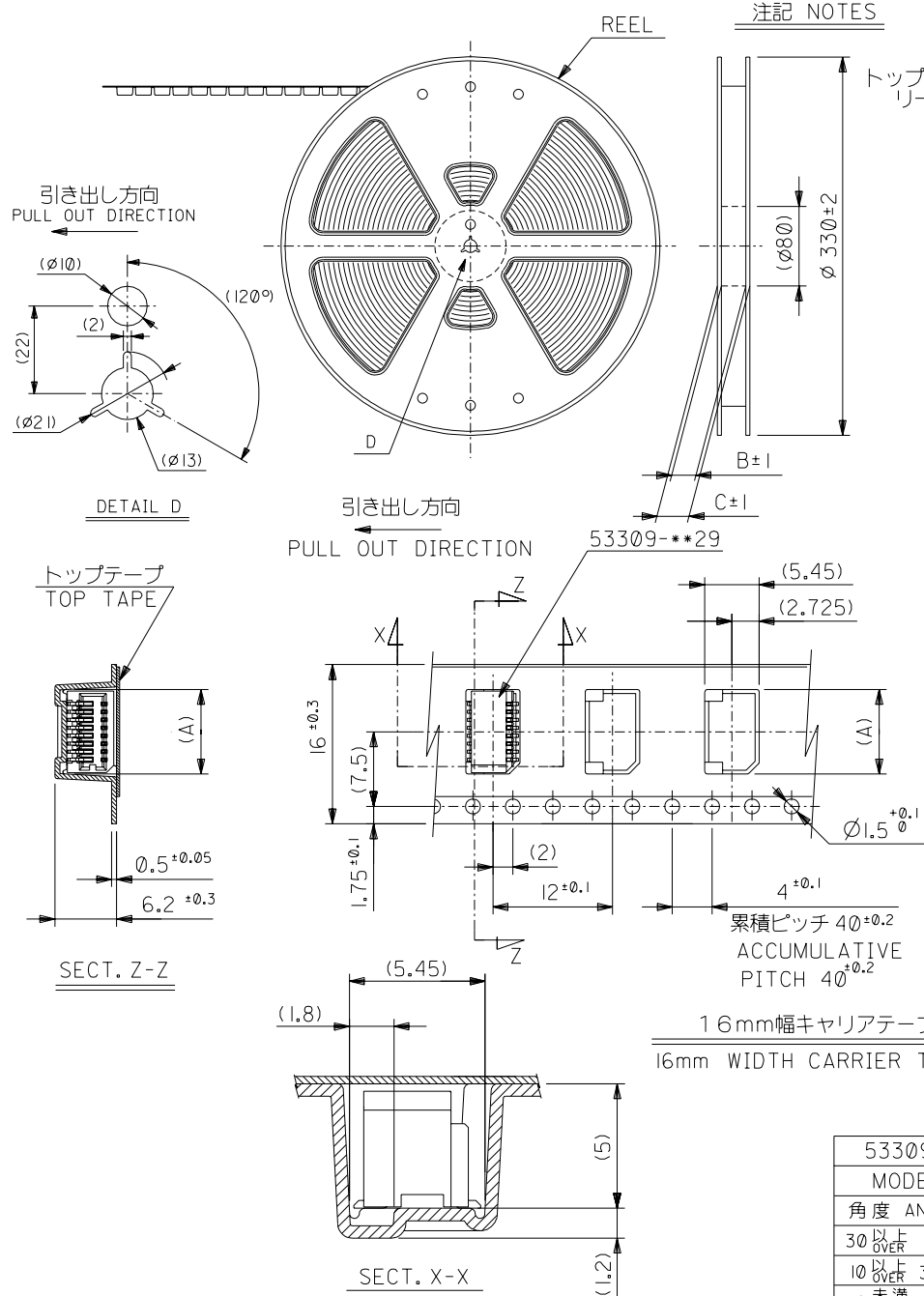


嵌合状態図 (参考)
MATED DRAWING(REF.)



嵌合状態図 (参考)
MATED DRAWING(REF.)

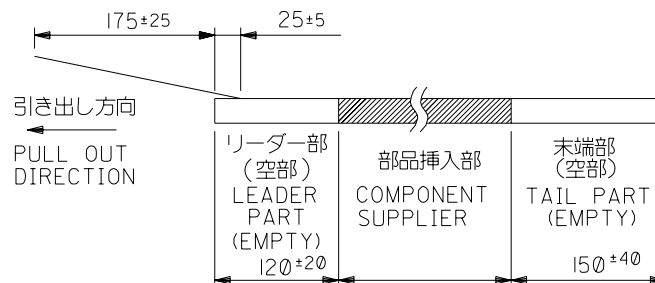
REVISED EC NO: J2010-1285 DRWN:YON002 CHKD:SMARUYAMA APPR:SMARUYAMA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		10 UNDER	± 0.2	DRAWN BY M.NINOMIYA	DATE 2004/03/10	TITLE 0.8 B/B CONN.WAFER ASS'Y R/A SMT(WITHOUT BOSS)		
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2004/03/10			
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/03/10			
		ANGULAR ±3 °		MATERIAL NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-53309-011		2 OF 2	
B	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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 TOP TAPE
リーダー部 LEADER PART
未接着部 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 $\sim$ 1.3N(10gf $\sim$ 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。)

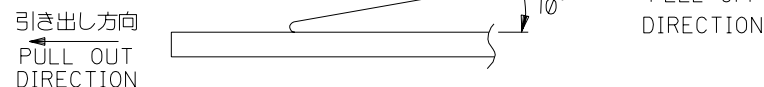
PEELING OFF FORCE OF TOP TAPE

0.1N $\sim$ 1.3N(10gf $\sim$ 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)

MATERIAL <リサイクル材を含む>

CARRIER TAPE:POLYPROPYLENE

TOP TAPE:PET,PE,PEF

REEL:POLYSTYRENE(PS)

<RECYCLE MATERIAL

CONTAINED>

5. 本製品は 53309-**91 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53309-**91.

16	21.4	17.4	9.3	53309-1870	18
			8.5	53309-1670	16
			7.7	53309-1470	14
			6.9	53309-1270	12
			6.1	53309-1070	10
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CIRCUIT

53309-**70		材料 MATERIAL		注記参照 SEE NOTES		molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
MODEL NO.		仕上げ FINISH		—		REVISE ONLY ON CAD SYSTEM	
角度 ANGLE		適用電線範囲 WIRE RANGE		—		TITLE 名称 0.8 BtB Conn Wafer Assy	
30以上 OVER		被覆外径 INS. RANGE		—		RA SMT Without Boss	
10以上 30未満 OVER UNDER		DRAWN BY 04/03/10 M.NINOMIYA		CHK'D BY 04/03/10 K.TOJO		Embstp Pkg	
10未満 UNDER		DR. 04/03/10 M.SASAO		DATE		-LEAD FREE-	
一般公差 GENERAL TOLERANCES		記号 LTR		変更内容 REVISION RECORD		DWG. NO. (SHEET 1 OF 2)	
		DR. CHK.		DATE		SD-53309-012	
				尺度 SCALE		REV	
						0	

