

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5013310407](#)
Status: **Active**
Overview: [picoclasp](#)
Description: 1.00mm (.039") Pitch Pico-Clasp™ Wire-to-Board Header, Surface Mount, Single Row, Vertical, with Friction Lock, 4 Circuits, with Cover Tape, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-501331-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	501331
Application	Wire-to-Board
Overview	picoclasp
Product Name	Pico-Clasp™

Physical

Breakaway	No
Circuits (Loaded)	4
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Robotic Placement	Vacuum Pick-Up Tape
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

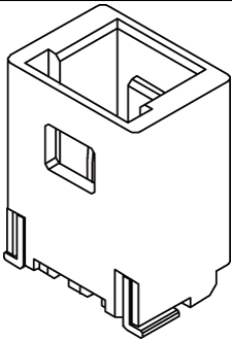
Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-501331-001
Product Specification	PS-501331-001, RPS-501331-001, RPS-501331-002, RPS-501331-003, RPS-501331-006, RPS-501331-007
Sales Drawing	SD-501331-001, SD-501331-003



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?

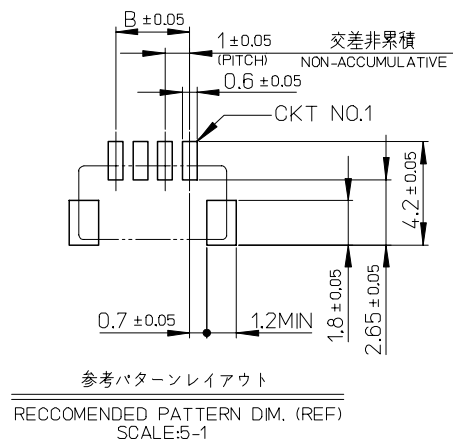
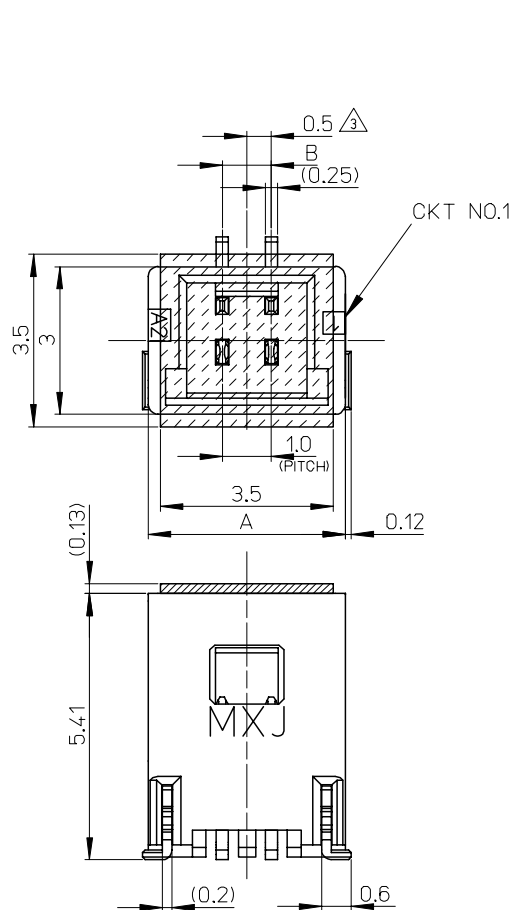
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series
[501331Series](#)

Mates With
[501330](#) Pico-Clasp™ Wire-to-Board Female Housing

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番号 NO.	部品 PART	材質 MATERIAL
①	ウェハー WAFER	46ナイロン UL94V-0 色:自然色 46 NYLON, UL94V-0, COLOR:NATURAL
②	溶ダーピン SOLDER PIN	りん青銅 PHOSPHOR BRONZE 錫メッキ: 1.0 μmMIN. TIN ニッケルメッキ(下地): 1.0 μmMIN. NICKEL(UNDER PLATING)
③	ネイル NAIL	りん青銅 PHOSPHOR BRONZE 錫メッキ: 1.0 μmMIN. TIN ニッケルメッキ(下地): 1.0 μmMIN. NICKEL(UNDER PLATING)
④	カバーテープ COVER TAPE	ポリイミドテープ POLYIMIDE TAPE

NOTES.

1. 嵌合相手: 501330-****
MATE WITH: 501330-****
2. ソルダーピン及びネイル平坦度は、0.1MAX.
SOLDER PIN AND NAIL COPLANARITY TO BE 0.1MAX.
- △ 極数=偶数に適用
APPLY FOR CKT SIZE-EVEN
4. 6~15極については、SD-501331-002を参照下さい。
REFER TO SD-501331-002 ABOUT 6-15CKT.
5. ELV及びRoHS適合品。
ELV AND RoHS COMPLIANT.

※対応可能な極数は、別途お問い合わせ下さい。

4.0	7.0	501331-0509	5	501331-**09
3.0	6.0	501331-0409	4	
2.0	5.0	501331-0309	3	
1.0	4.0	501331-0209	2	
B	A	MATERIAL NO.	CKT.	MODEL NO.

REVISED EC NO.: J2007-2540 DRAWN: YAOYAGI CHKD: YMAEDA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY NYOSHIDA	DATE 2004/07/30	TITLE 1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) 2-5CKT				
		10 OVER 30 UNDER	± 0.25	CHECKED BY MYAGI	DATE 2004/07/30					
		30 OVER	± 0.3	APPROVED BY MIYAZAWA	DATE 2004/07/30	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501331-001		1 OF 1		
D	REV	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

10

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E

E

D

D

C

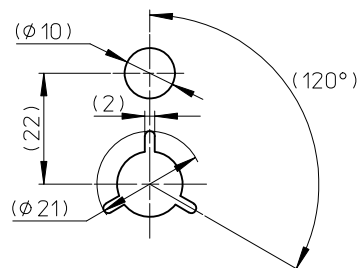
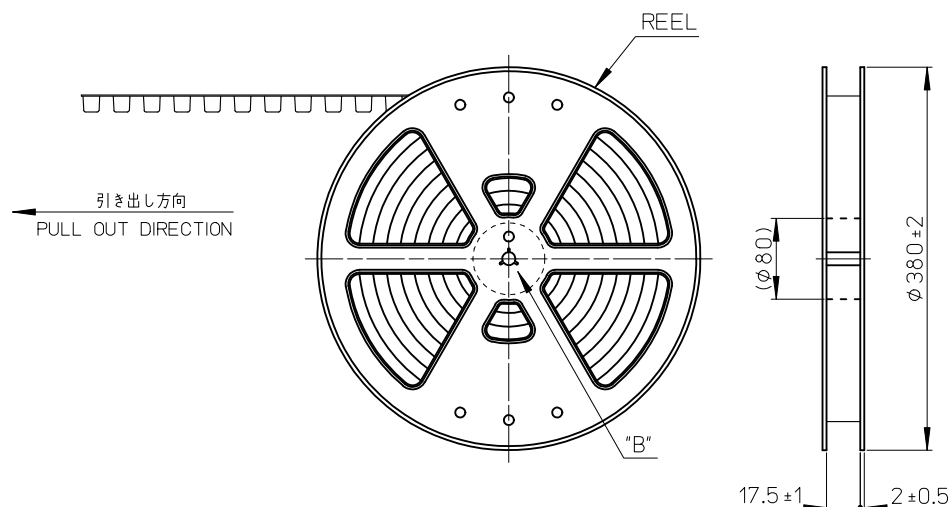
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B

B

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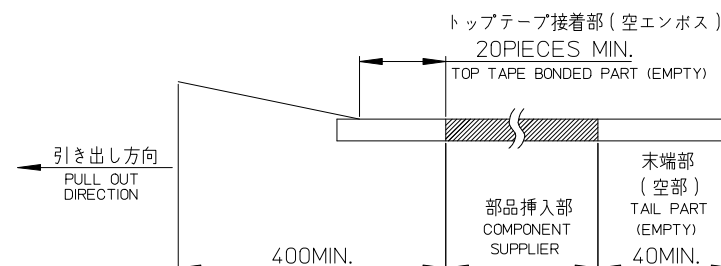
A



DETAIL "B"

NOTES

- 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS, PLEASE SEE THE DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
- 梱包数量 : 1100個/リール
NUMBER OF CONNECTORS : 1100PIECES/REEL
- リードテープ長さ
LEAD TAPE LENGTH



- 材料
MATERIAL
キャリアテープ : ポリプロピレン
CARRIER TAPE : POLYPROPYLENE
トップテープ : PET、PE、REF
TOP TAPE
リール : ポリスチレン<リサイクル材を含む>
REEL : POLYSTYRENE <RECYCLE MATERIAL CONTAINED>
- ELV及びRoHS適合品。
ELV AND RoHS COMPLIANT.
- 本製品は乾燥剤入り、ハイバリア梱包仕様である。
(501331-0607~1507以外)
THIS PRODUCT IS HIGH BARRIER PACKAGE
WITH DESICCANT.
(BESIDES 501331-0607~1507)

REVISED EC NO: J2010-0951 2009/12/16 DRWN:NITO CHKD:KASAKAWA 2010/01/05 APPR:NUKITA 2010/01/06	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY NYOSHIDA	DATE 2005/01/18	TITLE 1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) EMBSTP PKG			
		10 OVER 30 UNDER	± 0.25	CHECKED BY MYAGI	DATE 2005/01/18				
		30 OVER	± 0.3	APPROVED BY ANODA	DATE 2005/01/18				
		ANGULAR ±1 °		MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-501331-003		SHEET NO. 1 OF 2	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
	REV				SIZE A3				

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7

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4

3

2

10 9 8 7 6 5 4 3 2 1

EMBOSSSED TAPE

16幅テープ
16 WIDTH TAPE

CONNECTOR

TOP TAPE

SECT. Y-Y

累積ピッチ: 40 ± 0.2
ACUUMLATIVE PITCH

引き出し方向
PULL OUT DIRECTION

12 ± 0.1

(2)

4 ± 0.1

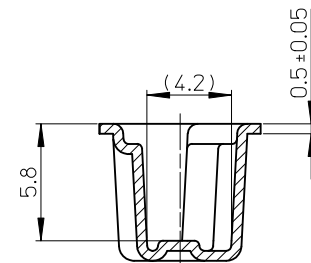
(5.1)

(4.2)

(2.55)

16 ± 0.3
(7.5)

コネクタ中心
CENTER OF CONNECTOR



SECT. X-X

8.3	501331-0509	501331-0507	5	501331-***7
7.3	501331-0409	501331-0407	4	
6.3	501331-0309	501331-0307	3	
5.3	501331-0209	501331-0207	2	
(A)	CONNECTOR	MATERIAL NO.	CKT.	MODEL NO.

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		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501331-003		2 OF 2		
	REV		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							