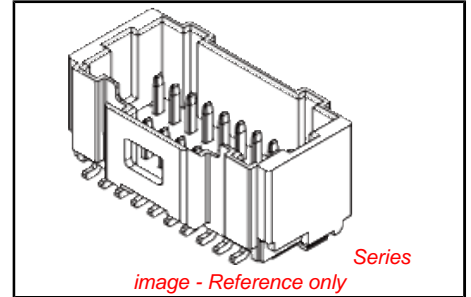


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5011904017](#)
Status: **Active**
Overview: [picoclap](#)
Description: 1.00mm (.039") Pitch Pico-Clasp™ Wire-to-Board PCB Header, Dual Row, Vertical, 40 Circuits, Lead-free, with Pick-and-Place Tape

Documents:

[3D Model](#) [Product Specification PS-501190-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-501190-001 \(PDF\)](#)



General

Product Family	PCB Headers
Series	501190
Application	Wire-to-Board
Overview	picoclap
Product Name	Pico-Clasp™

Physical

Breakaway	No
Circuits (Loaded)	40
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Nylon
Number of Rows	2
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	Yes
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

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-501190-001
Product Specification	PS-501190-001, PS-501190-003, RPS-501190-001, RPS-501190-005, RPS-501190-008, RPS-501190-010, RPS-501331-001
Sales Drawing	SD-501190-003, SD-501190-004

<p>EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed Halogen-Free Status Not Reviewed</p>	<p>China RoHS</p>
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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
[501190Series](#)

Mates With
[501189](#) Pico-Clasp™ Wire-to-Board Female Housing

This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

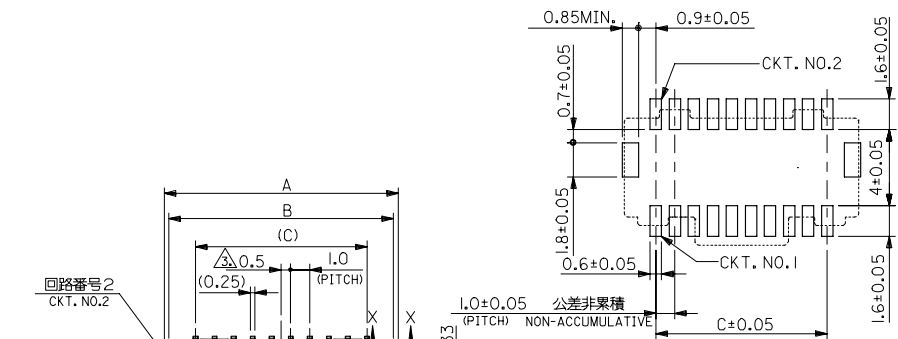
番号 NO.	部品 PART	材質 MATERIAL
①	ウエハー WAFER	6Tナイロン UL94V-0 色:自然色 6T NYLON ,UL94V-0 ,COLOR:NATURAL
②	ソルダーピン SOLDER PIN	りん青銅 PHOSPHOR BRONZE 金メッキ:0.1μmMIN. GOLD ニッケルメッキ(下地):1.0μmMIN. NICKEL(UNDER PLATING)
③	ネイル NAIL	りん青銅 PHOSPHOR BRONZE 錫メッキ:1.0μmMIN. TIN ニッケルメッキ(下地):1.0μmMIN. NICKEL(UNDER PLATING)
④	カバーテープ COVER TAPE	ポリイミドテープ POLYIMIDE TAPE

NOTES.

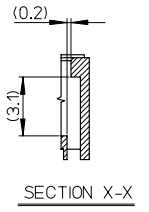
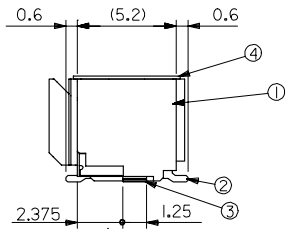
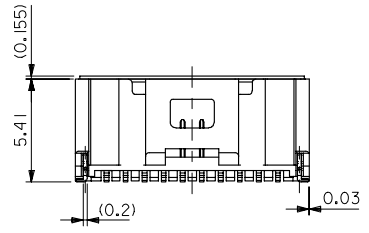
- 嵌合相手: 501189-****
MATE WITH: 501189-****
 - ソルダーピン及びネイル平坦度は、0.1MAX.
SOLDER PIN AND NAIL COPLANARITY TO BE 0.1MAX.
- △ 種数/2=偶数に適用
APPLY FOR CKT SIZE/2=EVEN

無 NO	24	19	14	9	24	19	14	9	26.8	21.8	16.8	11.8	27.3	22.3	17.3	12.3	501190-XXXX		
																	MATERIAL NO.	CKT	
																		501190-5029	50
																		501190-4029	40
																		501190-3029	30
																		501190-2029	20
有 YES	24	19	14	9	24	19	14	9	26.8	21.8	16.8	11.8	27.3	22.3	17.3	12.3		501190-5019	50
																		501190-4019	40
																		501190-3019	30
																		501190-2019	20
カバーテープの有無 COVER TAPE	C	B	A															MATERIAL NO.	CKT

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
10 UNDER	±0.2	DRAWN BY	DATE	5:1	METRIC	MOLEX INCORPORATED	
10 OVER 30 UNDER	±0.25	NYOSHIDA	2004/12/17			1.0 WIRE TO BOARD CONN. WAFER ASS'Y (2-ROW S/T) -LEAD FREE-	
30 OVER	±0.3	CHECKED BY	DATE			SD-501190-003	
ANGULAR	±3°	MYAGI	2004/12/17			SHEET NO. 1 OF 1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY	DATE			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		ANODA	2004/12/17				
		MATERIAL NO.					
		SIZE	A3				

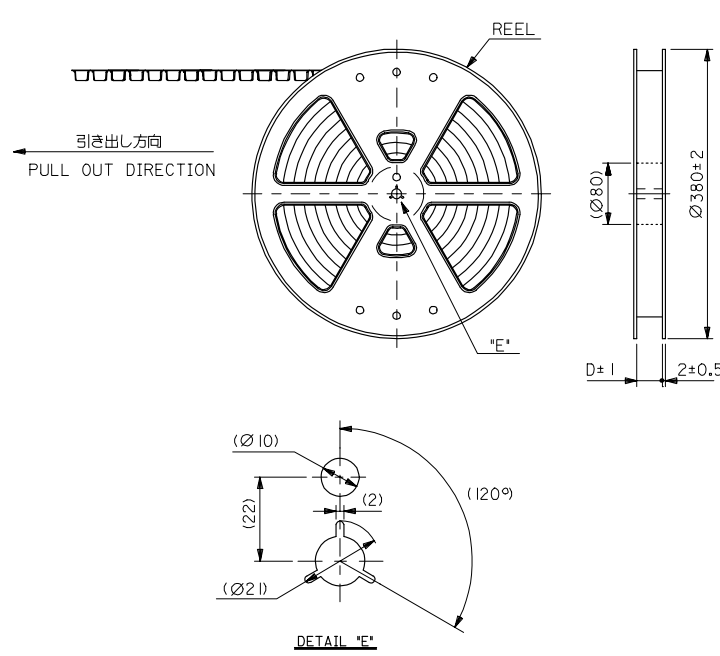


参考パターンレイアウト
RECOMMENDED PATTERN DIM. (REF.)



10 9 8 7 6 5 4 3 2 1

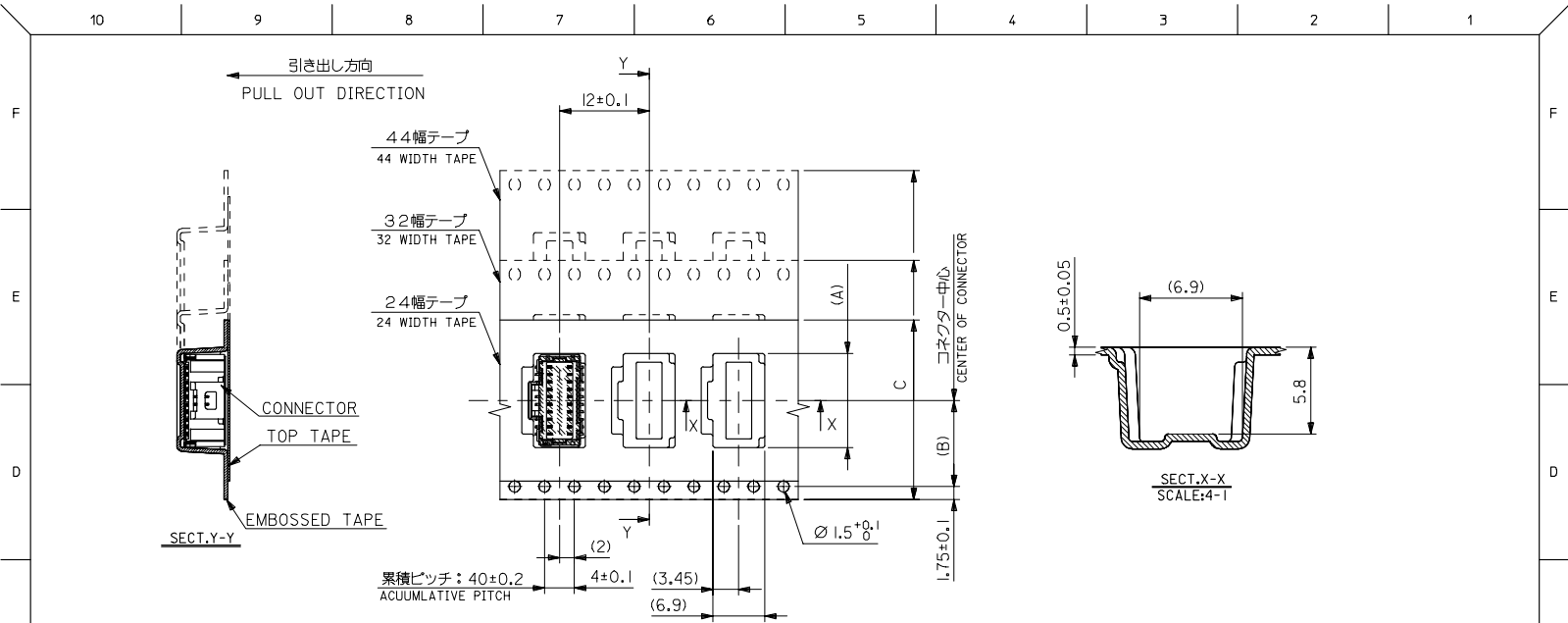
F
E
D
C
B
A



NOTES

1. 製品詳細寸法については SD-501190-003 を参照ください。
RE DETAILED DIMENSION, SEE SD-501190-003
2. 梱包数量：1100個/リール
NUMBER OF CONNECTORS：1100PIECES/REEL
3. リードテープ長さ
LEAD TAPE LENGTH
4. トップテープの剥離強度：0.1~1.3N (10.2 ~ 132.5gf) (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)
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こと)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT. PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.
5. 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)

REVISED IEC NO. J2005-2879 DRAWN BY NYOSHIDA CHKD BY MYAGI APPR. ANODA 2005/03/29 2005/03/29 2005/03/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY NYOSHIDA	DATE 2004/12/17	TITLE 1.0 WIRE TO BOARD CONN. WAFER ASS'Y (2-ROW S/T) EMBTP PKG -LEAD FREE- MOLEX INCORPORATED		
	10 OVER 30 UNDER	±0.25	CHECKED BY MYAGI	DATE 2004/12/17			
	30 OVER	±0.3	APPROVED BY ANODA	DATE 2004/12/17			
	ANGULAR	±3 °	MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-501190-004	SHEET NO. 1 OF 2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



無 NO	45.5	44±0.3	20.2	27.6	501190-5029	501190-5027	50
	33.5	32±0.3	14.2	17.6	501190-3029	501190-3027	30
	25.5	24±0.3	11.5	12.6	501190-2029	501190-2027	20
有 YES	45.5	44±0.3	20.2	27.6	501190-5019	501190-5017	50
	33.5	32±0.3	14.2	17.6	501190-3019	501190-3017	30
	25.5	24±0.3	11.5	12.6	501190-2019	501190-2017	20
※兼用カバーテープの有無 COVER TAPE	D	C	CARRIER TAPE WIDTH	(B)	(A)	CONNECTOR	MATERIAL NO., CKTS.

REVISED REV. A	REV. NO. J2005-2879	2005/03/29	DRWN: NYOSHIDA	2005/03/29	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	TITLE 1.0 WIRE TO BOARD CONN. WAFER ASS'Y (2-ROW S/T) EMBTP PKG -LEAD FREE- MOLEX INCORPORATED	
	CHKD: NYAGI	2005/03/29	APPR: ANODA	2005/03/30		10 UNDER	±0.2	DRAWN BY	DATE	---	METRIC		THIRD ANGLE PROJECTION
						10 OVER 30 UNDER	±0.25	CHECKED BY	DATE				
						30 OVER	±0.3	APPROVED BY	DATE				
						ANGULAR	±3 °	MATERIAL NO.	SEE CHART	DOCUMENT NO.		SHEET NO. 2 OF 2	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			