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Part Number: [0510211000](#)
Status: **Active**
Overview: [picoblade](#)
Description: 1.25mm (.049") Pitch PicoBlade™ Wire-to-Wire and Wire-to-Board Housing, Female, 10 Circuits

Documents:

- [3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-51021-001 \(PDF\)](#)
[Product Specification PS-51021-002 \(PDF\)](#)
[Product Specification PS-51021-009 \(PDF\)](#)
[Product Specification PS-51021-010 \(PDF\)](#)
[Product Specification PS-51021-011 \(PDF\)](#)
- [Product Specification PS-51021-022 \(PDF\)](#)
[Product Specification PS-51021-023 \(PDF\)](#)
[Product Specification PS-51021-026 \(PDF\)](#)
[Product Specification PS-51021-027 \(PDF\)](#)
[Product Specification PS-51021-028 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Housings
Series	51021
MolexKits	Yes
Overview	picoblade
Product Name	PicoBlade™

Physical

Circuits (maximum)	10
Color - Resin	Natural
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Resin	Polyester
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Stackable	No
Temperature Range - Operating	-40°C to +85°C

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-51021
Product Specification	PS-51021-001, PS-51021-002, PS-51021-009, PS-51021-010, PS-51021-011, PS-51021-022, PS-51021-023, PS-51021-026, PS-51021-027, PS-51021-028, RPS-51021-001, RPS-51021-002, RPS-51021-003, RPS-51021-004, RPS-51021-006, RPS-51021-007, RPS-51021-008, RPS-51021-009, RPS-51021-010, RPS-51021-011, RPS-51021-013, RPS-51021-014, RPS-51021-018, RPS-51021-019, RPS-51021-020, RPS-51021-021, RPS-51021-023, RPS-51021-024, RPS-51021-025, RPS-51021-028, RPS-51021-030, RPS-51021-031, RPS-51021-032,

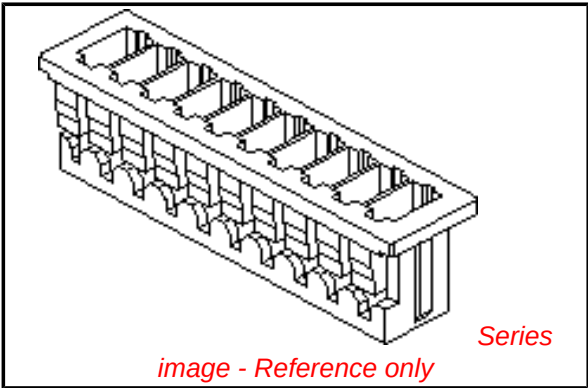


image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
**Halogen-Free
Status**

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

[51021Series](#)

Mates With

[51047](#) Crimp Housing, [53047](#) PCB Header, [53048](#) PCB Header, [53261](#) PCB Header, [53398](#) PCB Header

Use With

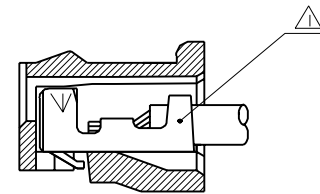
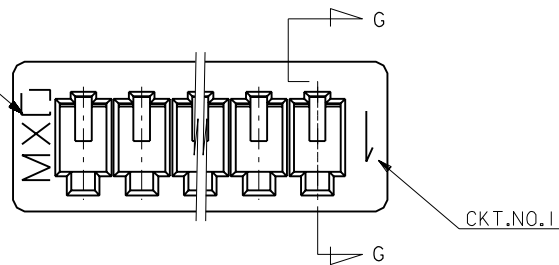
[50058](#) crimp terminal, [50079](#) crimp terminal

Sales Drawing

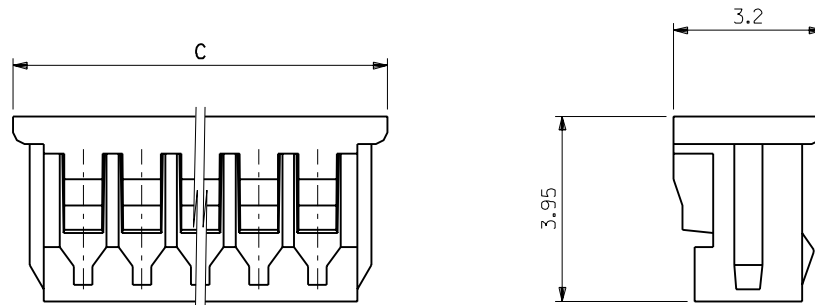
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RPS-51021-047, RPS-51021-048, RPS-51021-050,
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RPS-51021-092, RPS-51021-096, RPS-51021-097,
RPS-51021-101, RPS-53398-002, RPS-53398-037,
RPS-53398-038
SD-51021-**00, SD-51021-002

This document was generated on 06/07/2010

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トレードマーク
TRADE MARK

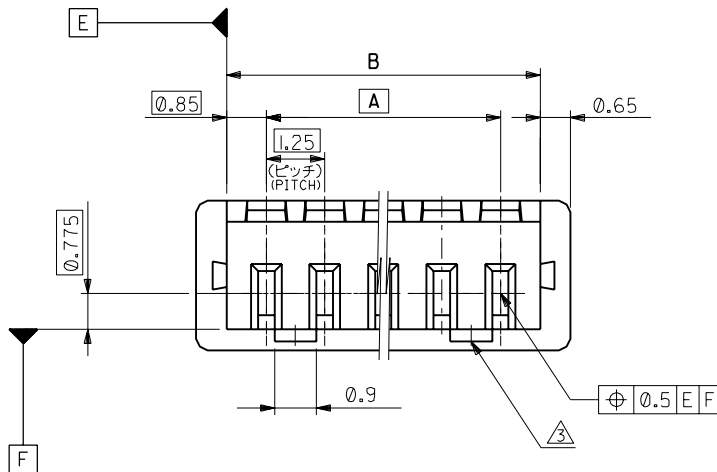
SECT. G-G



注記 NOTES

- △ 適合ターミナル : 50058, 50079 シリーズ
APPLICABLE TERMINAL : 50058, 50079 SERIES
- 2 嵌合相手 : 53047, 53048, 53261, 53398 シリーズ
MATE WITH : 53047, 53048, 53261, 53398 SERIES
- △ ロックは、2, 3極は1ヶ、4極以上は2ヶとする。
LOCKING WINDOW : ONE PLACE FOR 2 & 3 CKT.
AND TWO PLACES FOR MORE THAN 3 CKT.

20.5	19.2	17.5	51021-1500	15
19.25	17.95	16.25	-1400	14
18	16.7	15	-1300	13
16.75	15.45	13.75	-1200	12
15.5	14.2	12.5	-1100	11
14.25	12.95	11.25	-1000	10
13	11.7	10	-0900	9
11.75	10.45	8.75	-0800	8
10.5	9.2	7.5	-0700	7
9.25	7.95	6.25	-0600	6
8	6.7	5	-0500	5
6.75	5.45	3.75	-0400	4
5.5	4.2	2.5	-0300	3
4.25	2.95	1.25	51021-0200	2
C	B	A	ENG.NO.	極数 CKTS.

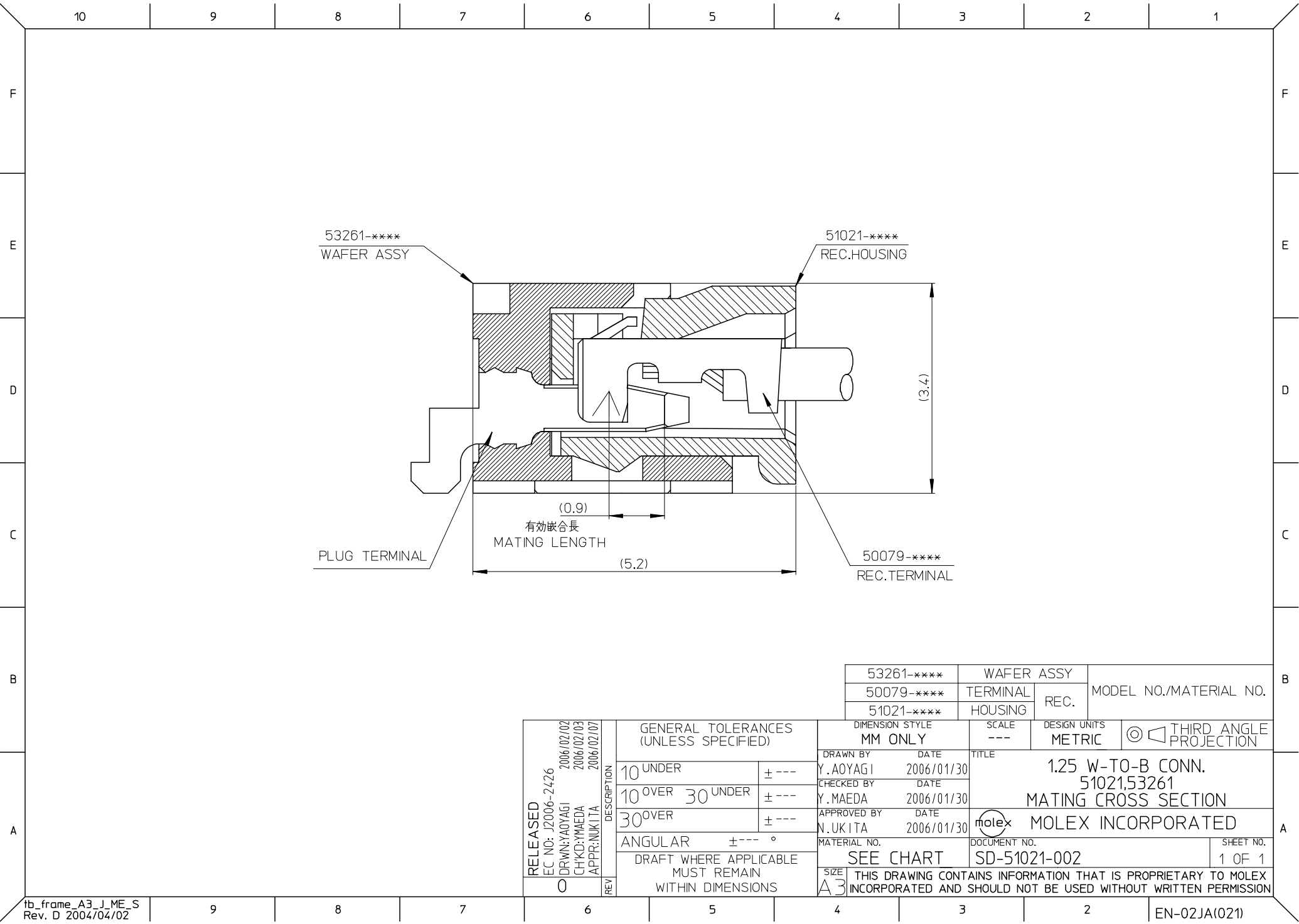


角度	ANGLE	±3°
30 以上	OVER	±0.3
10 以上 30 未満	OVER	±0.25
10 未満	UNDER	±0.2

一般公差	記号	変更及び再作図	変更内容	DR.	CHK.	DATE
GENERAL TOLERANCES	LTR	REVISION RECORD				

材料	MATERIAL	仕上げ	FINISH	適用電線範囲	WIRE RANGE	被覆外径	INS. RANGE	DRAWN BY '93/6/1	CHK'D BY '93/6/1	APP'D BY '93/6/1	尺度	SCALE
PBTP	UL94V-0	—H—	—H—	—H—	—H—	—H—	—H—	K.T.OJO	H.HIRAMOTO	M.FUKUSHIMA	10 : 1	

MOLEX-JAPAN CO.,LTD.	日本モレックス株式会社	REVISE ONLY ON CAD SYSTEM	TITLE 名称	1.25 WIRE TO BOARD CONN. RECEPTACLE HOUSING	DWG. NO.	SD-51021-**-00	REV	D
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53261-****	WAFER ASSY	MODEL NO./MATERIAL NO.
50079-****	TERMINAL	
51021-****	HOUSING	

RELEASED EC NO: J2006-2426 DRWN:YAOYAGI 2006/02/02 CHKD:YMAEDA 2006/02/03 APPR:NUKITA 2006/02/07 REV 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY Y.AOYAGI	DATE 2006/01/30	TITLE 1.25 W-TO-B CONN. 51021,53261 MATING CROSS SECTION			
		10 OVER 30 UNDER	± ---	CHECKED BY Y.MAEDA	DATE 2006/01/30				
		30 OVER	± ---	APPROVED BY N.UKITA	DATE 2006/01/30	MOLEX INCORPORATED			
		ANGULAR	± --- °	MATERIAL NO.					DOCUMENT NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51021-002			1 OF 1
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							