

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0510210400](#)
Status: **Active**
Overview: [picoblade](#)
Description: 1.25mm (.049") Pitch PicoBlade™ Wire-to-Wire and Wire-to-Board Housing, Female, 4 Circuits

Documents:

3D Model	Product Specification PS-51021-022 (PDF)
Drawing (PDF)	Product Specification PS-51021-023 (PDF)
Product Specification PS-51021-001 (PDF)	Product Specification PS-51021-025 (PDF)
Product Specification PS-51021-002 (PDF)	Product Specification PS-51021-026 (PDF)
Product Specification PS-51021-009 (PDF)	Product Specification PS-51021-027 (PDF)
Product Specification PS-51021-010 (PDF)	Product Specification PS-51021-028 (PDF)
Product Specification PS-51021-011 (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)	4
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-51021-025, 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-51021-016, RPS-51021-018, RPS-51021-020, RPS-51021-021, RPS-51021-022, RPS-51021-023, RPS-51021-024, RPS-51021-025, RPS-51021-027, RPS-51021-028,

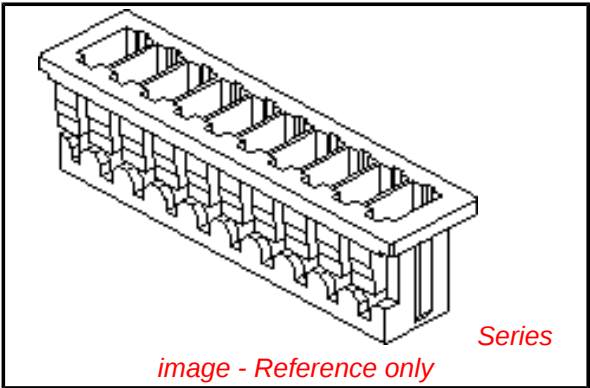


image - Reference only

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

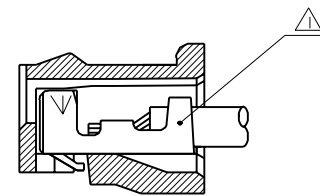
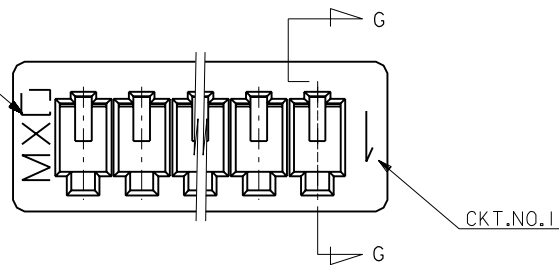
Use With
[50058](#) crimp terminal, [50079](#) crimp terminal

Sales Drawing

RPS-51021-030, RPS-51021-031, RPS-51021-032,
RPS-51021-033, RPS-51021-034, RPS-51021-037,
RPS-51021-038, RPS-51021-039, RPS-51021-040,
RPS-51021-041, RPS-51021-042, RPS-51021-043,
RPS-51021-044, RPS-51021-045, RPS-51021-046,
RPS-51021-047, RPS-51021-048, RPS-51021-051,
RPS-51021-052, RPS-51021-053, RPS-51021-054,
RPS-51021-055, RPS-51021-056, RPS-51021-057,
RPS-51021-058, RPS-51021-059, RPS-51021-060,
RPS-51021-061, RPS-51021-062, RPS-51021-063,
RPS-51021-064, RPS-51021-065, RPS-51021-066,
RPS-51021-067, RPS-51021-068, RPS-51021-071,
RPS-51021-072, RPS-51021-073, RPS-51021-074,
RPS-51021-076, RPS-51021-077, RPS-51021-078,
RPS-51021-079, RPS-51021-081, RPS-51021-084,
RPS-51021-085, RPS-51021-086, RPS-51021-089,
RPS-51021-091, 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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

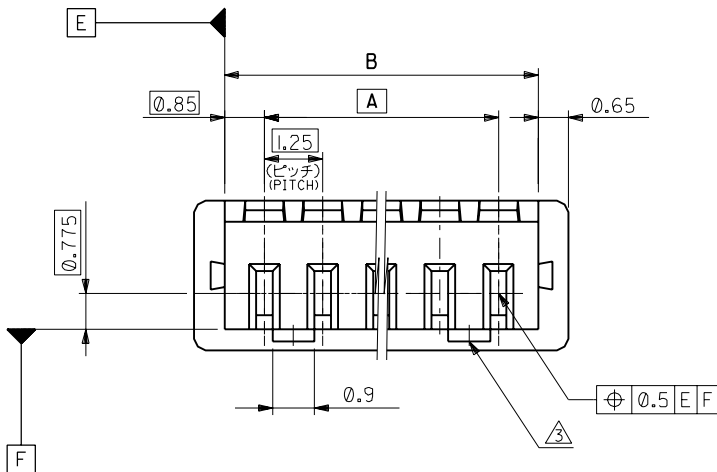
トレードマーク
TRADE MARK

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.

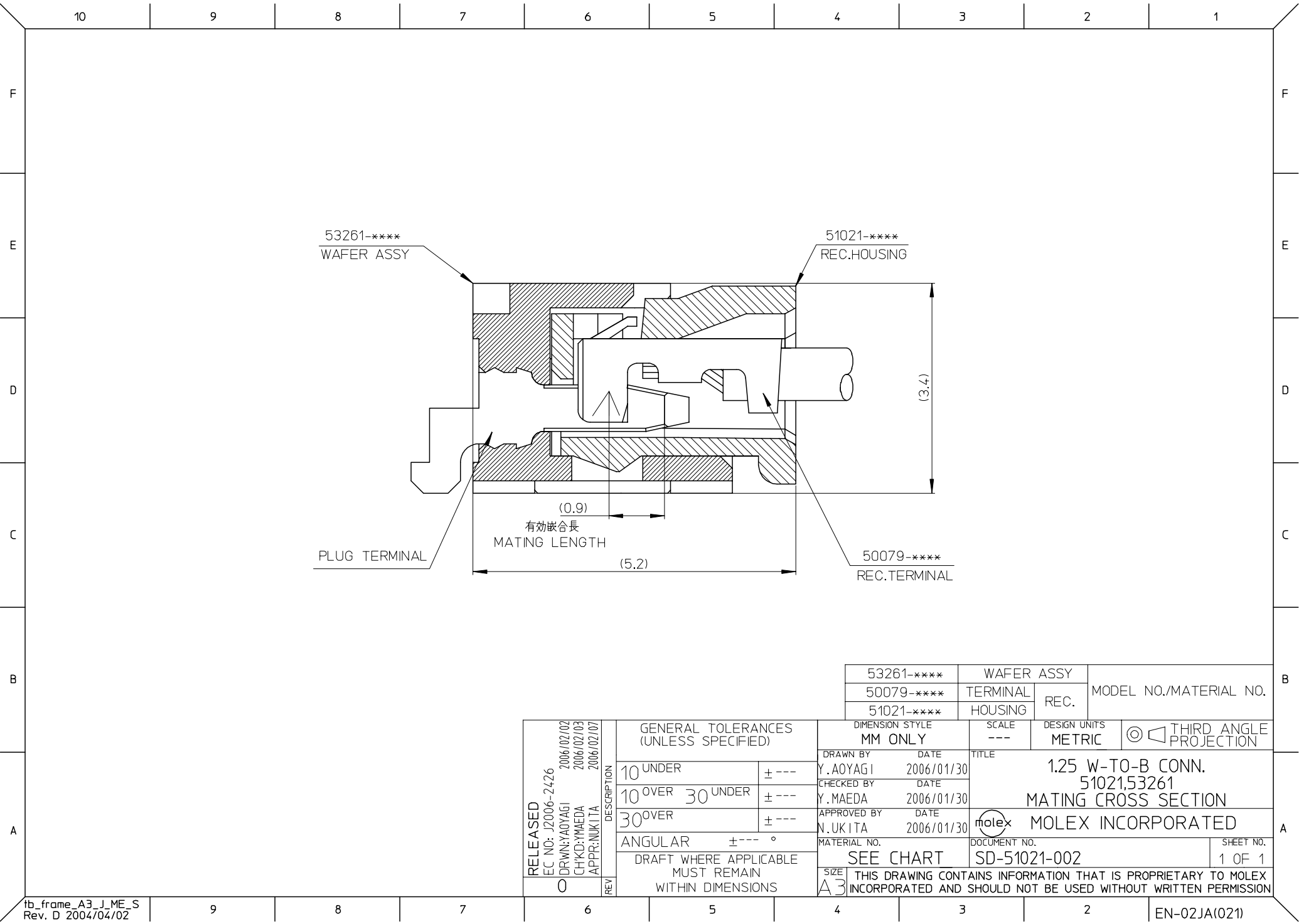


角度	ANGLE	±3°
30°以上	OVER	±0.3
10°以上 30°未満	OVER	±0.25
10°未満	UNDER	±0.2
一般公差		
GENERAL TOLERANCES		

記号	変更及び再作図	K.T.	'93/6/1
LTR	REVISED&REDRAWN (030522)	H.H.	
REVISION RECORD	変更内容	DR.	日付
		CHK.	DATE

材料	材料
MATERIAL	PBTP UL94V-0
仕上げ	仕上げ
FINISH	—H—
適用電線範囲	適用電線範囲
WIRE RANGE	—H—
被覆外径	被覆外径
INS. RANGE	—H—
DRAWN BY '93/6/1	CHK'D BY '93/6/1
K.TOJO	H.HIRAMOTO
APP'D BY '93/6/1	尺度
M.FUKUSHIMA	SCALE 10 : 1

MOLEX	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.	REV
SD-51021-**-00	D



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.			SHEET 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								