

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0510471000](#)  
**Status:** **Active**  
**Overview:** [picoblade](#)  
**Description:** 1.25mm (.049") Pitch PicoBlade™ Wire-to-Wire Plug Housing, 10 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-51021-009 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Crimp Housings
Series	<a href="#">51047</a>
MolexKits	Yes
Overview	<a href="#">picoblade</a>
Product Name	PicoBlade™

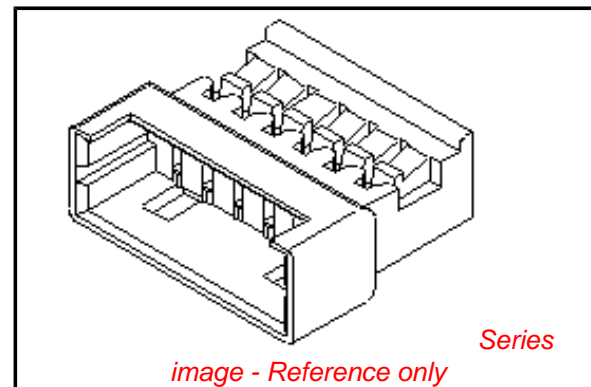
**Physical**

Circuits (maximum)	10
Color - Resin	Natural
Gender	Male
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-51047-001
Product Specification	PS-51021-009, RPS-51021-033, RPS-51047-001
Sales Drawing	SD-51047-**00



**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](mailto: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**

[51047Series](#)

**Mates With**

[51021](#) housing

**Use With**

[50125](#) Crimp Terminal, [50133](#) Crimp Terminal

DWG. NO. SD-51047-\*\*\*00

F

D

V

C

B

DO NOT SCALE DRAWING

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	REDRAWN EC NO. JC2000-0629 DRWN: K.KOHAMA 000/3/28 CHK: T.YAMAGUCHI 000/3/30 APPR: M.FUKUSHIMA 000/3/30						
REV	DESCRIPTION	MATERIAL 材料 ポリエステル ,UL94V-0 POLYESTER	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 10:1	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	<input checked="" type="radio"/> THIRD ANGLE <input type="radio"/> PROJECTION	<input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY	SHT REV	REVISION CAD ONLY	
	FINISH 仕上り	WIRE RANGE 適用線径範囲	10 UNDER 未満	+0.2	DRAWN BY & DATE K.KOHAMA 000/3/28	TITLE: 1.25 W/W CONN. PLG HSG.				
			10 OVER 以上	30 UNDER 未満	+0.25	CHECKED BY & DATE T.YAMAGUCHI 000/3/30	MATERIAL NO. 51047-***00 DRAWING NO. SD-51047-***00 SHEET NO. 1			
			30 OVER 以上		+0.3	APPROVED BY & DATE M.FUKUSHIMA 000/3/30	MATERIAL NO. 51047-***00 DRAWING NO. SD-51047-***00 SHEET NO. 1			
	INS. RANGE 被覆外径		ANGLE 角度		+3°	CAD FILENAME S51047.S10	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			

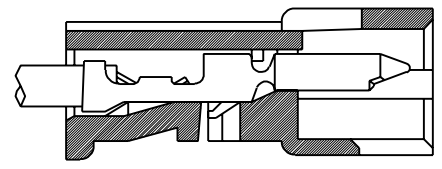
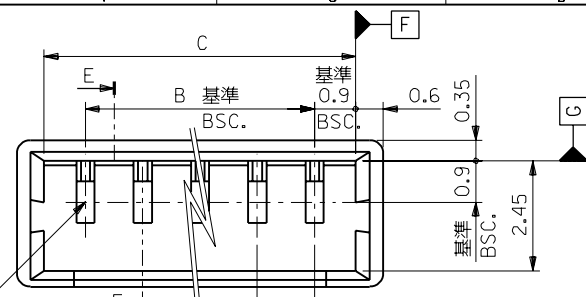
INS. RANGE 被覆外径									
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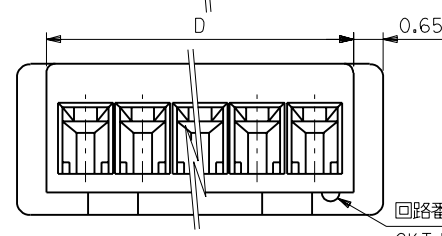
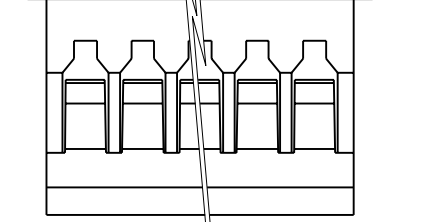
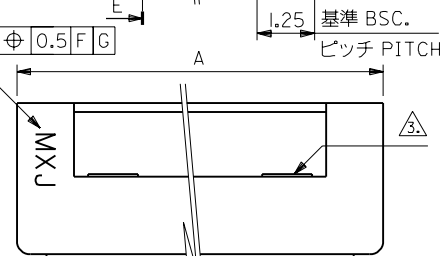
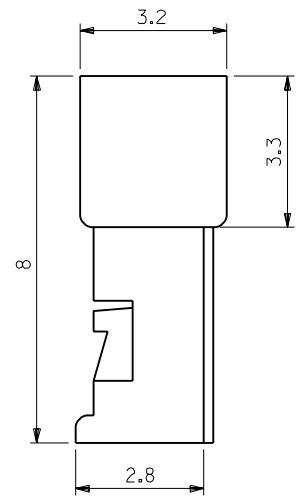
INS. RANGE 被覆外径									
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断面E-E  
SECT. E-E

注)  
NOTE.

- △ 適合ターミナル : 50125-8\*00,50133-8\*00  
APPLICABLE TERMINAL:50125-8\*00,50133-8\*00
- 2. 嵌合相手 : 51021-\*\*\*00  
MATE WITH:51021-\*\*\*00
- △ ロック窓は、2、3極は1ヶ、4極以上は2ヶとする。  
LOCKING WINDOW:ONE PLACE FOR 2AND3CKT.  
AND TWO PLACES FOR MORE THAN 4CKT.



12.95	14.25	13.05	11.25	51047-1000	10
11.7	13	11.8	10	-0900	9
10.45	11.75	10.55	8.75	-0800	8
9.2	10.5	9.3	7.5	-0700	7
7.95	9.25	8.05	6.25	-0600	6
6.7	8	6.8	5	-0500	5
5.45	6.75	5.55	3.75	-0400	4
4.2	5.5	4.3	2.5	-0300	3
2.95	4.25	3.05	1.25	51047-0200	2
D	A	C	B	ENG.NO.	極数 CKT.

トレードマーク  
TRADE MARK

MXJ

回路番号1側マーク  
CKT.NO1 MARK