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Part Number: [0510041200](#)
Status: **Active**
Overview: [microblade](#)
Description: 2.00mm (.079") Pitch MicroBlade™ Wire-to-Board Housing, Friction Lock, 5.80mm (.228") Height, 12 Circuits

Documents:

3D Model	Product Specification PS-51004-002 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Housings
Series	51004
Overview	microblade
Product Name	MicroBlade™

Physical

Circuits (maximum)	12
Flammability	94V-0
Gender	Receptacle
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)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Stackable	No
Temperature Range - Operating	-20°C to +85°C

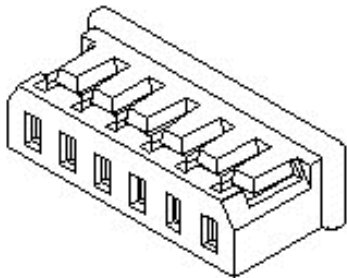
Electrical

Current - Maximum per Contact	2A
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Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-51004-001
Product Specification	PS-51004-002, RPS-51004-001, RPS-51004-002, RPS-51004-003, RPS-51004-004, RPS-51004-006, RPS-51004-008, RPS-51004-010, RPS-51004-011, RPS-51004-012, RPS-51004-013, RPS-51004-014, RPS-51004-015, RPS-51004-016, RPS-51004-017, RPS-51004-018, RPS-51004-019, RPS-51004-020, RPS-51004-021, RPS-51004-022, RPS-51004-023, RPS-51004-024, RPS-51004-025
Sales Drawing	SD-51004-**00



Series

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

[51004Series](#)

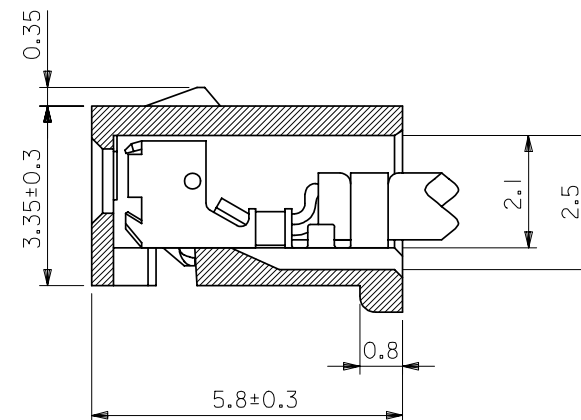
Mates With

[53014](#) , [53015](#) , [53025](#) MicroBlade™
Headers

Use With

[50011](#) Crimp Terminal

2



Technical drawing of a 5-pin connector with dimensions in millimeters.

Dimensions and labels:

- Overall width: $C \pm 0.3$
- Pin pitch: BSC. (Pitch PITCH)
- Pin diameter: $\varnothing 0.4$
- Pin length: 1.2
- Offset from left edge to first pin center: 0.55
- Offset from first pin center to second pin center: 1.45
- Offset from second pin center to third pin center: 2 基準 BSC. (2 standard BSC.)
- Offset from third pin center to fourth pin center: 0.45
- Offset from fourth pin center to fifth pin center: 0.45
- Offset from fifth pin center to right edge: 0.75
- Offset from left edge to bottom edge: 1.95
- Offset from bottom edge to pin center: 0.55

32	30.9	28	51004-1500	15
30	28.9	26	▲ -1400	14
28	26.9	24	-1300	13
26	24.9	22	-1200	12
24	22.9	20	-1100	11
22	20.9	18	-1000	10
20	18.9	16	-0900	9
18	16.9	14	-0800	8
16	14.9	12	-0700	7
14	12.9	10	-0600	6
12	10.9	8	-0500	5
10	8.9	6	-0400	4
8	6.9	4	▼ -0300	3
6	4.9	2	51004-0200	2
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