

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

**Part Number:** **0502128000**  
**Status:** **Active**  
**Overview:** Micro-Latch Wire-to-Board Connector System  
**Description:** 2.00mm Pitch, Micro-Latch Female Crimp Terminal, Tin (Sn) Plating, 24-30 AWG, Reel

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-51160-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Product Specification PS-51160-006-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-52968-006-001 (PDF)</a>
<a href="#">Product Specification 510650000-PS-000 (PDF)</a>	<a href="#">Product Specification PS-52968-007-001 (PDF)</a>
<a href="#">Product Specification 510651000-PS-000 (PDF)</a>	<a href="#">Product Specification PS-53358-001-001 (PDF)</a>
<a href="#">Product Specification PS-51089-001-001 (PDF)</a>	<a href="#">Product Specification PS-53717-002-001 (PDF)</a>
<a href="#">Product Specification PS-51089-005-001 (PDF)</a>	<a href="#">Product Specification PS-54111-001-001 (PDF)</a>
<a href="#">Product Specification PS-51090-003-001 (PDF)</a>	<a href="#">Product Specification PS-54111-002-001 (PDF)</a>
<a href="#">Product Specification PS-51090-004-001 (PDF)</a>	<a href="#">Product Specification PS-54452-006-001 (PDF)</a>
<a href="#">Product Specification PS-51090-005-001 (PDF)</a>	<a href="#">Product Specification PS-55533-004-001 (PDF)</a>
<a href="#">Product Specification PS-51090-009-001 (PDF)</a>	<a href="#">Application Specification 510900001-000 (PDF)</a>
<a href="#">Product Specification PS-51090-016-001 (PDF)</a>	<a href="#">Packaging Specification SPK-50212-001-001 (PDF)</a>
<a href="#">Product Specification PS-51090-017-001 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-51090-018-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**EU ELV**  
**Compliant**

**EU RoHS**  
**Compliant**  
**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**  
**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

Not Contained

**General**

Product Family	Crimp Terminals
Series	50212
Application	Automotive, Signal, Wire-to-Board
Crimp Quality Equipment	Yes
Overview	<u>Micro-Latch Wire-to-Board Connector System</u>
Packaging Alternative	502128100 (Loose)
Product Name	DuraClik, Mi II, Micro-Latch, Sherlock
UPC	800753644625

**Physical**

Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	20.400/mg
Packaging Type	Reel
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.40mm max.
Wire Size AWG	24, 26, 28, 30
Wire Size mm <sup>2</sup>	N/A

**Electrical**

Current - Maximum per Contact	2.0A
Voltage - Maximum	125V

**Material Info**

**Reference - Drawing Numbers**

Application Specification	510900001-000
Application Tooling Documents	571753720ATP-E-000, 571753720ATP-J-000, 571753720ATS-000, 571753720ATS-J-000
Crimp Specification	CS-50212-001
Packaging Specification	SPK-50212-001-001
Product Specification	510650000-PS-000, 510651000-PS-000, PS-51089-001-001, PS-51089-005-001, PS-51090-003-001, PS-51090-004-001,

**Search Parts in this Series**

50212 Series

**Use With**

DuraClik Receptacle Housing [502351](#)  
 <br>Micro-Latch Receptacle Housing [51065](#)  
 <br>Mi II Receptacle Housings [51089](#) ,  
[51090](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

Description	Product #
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Extraction Tool for	<a href="#">11030043</a>
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Micro-Fit Terminals	
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Hand Crimp Tool	<a href="#">638190500</a>
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for 2.00mm Pitch	
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Terminal, 24-30	
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AWG	
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FineAdjust Applicator	<a href="#">639005200</a>
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for 2.00mm Pitch	
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Sales Drawing

PS-51090-005-001, PS-51090-009-001,  
PS-51090-016-001, PS-51090-017-001,  
PS-51090-018-001, PS-51160-001-001,  
PS-51160-006-001, PS-52968-006-001,  
PS-52968-007-001, PS-53358-001-001,  
PS-53717-002-001, PS-54111-001-001,  
PS-54111-002-001, PS-54452-006-001,  
PS-55533-004-001  
502120000-SD-000

Wire-to-Board  
Crimp Terminals,  
24-30 AWG Wire,  
Insulation OD  
1.10-1.30mm  
FineAdjust Applicator [639046800](#)  
for 2.00mm Pitch  
Wire-to-Board Crimp  
Terminal, 24-30  
AWG, Insulation OD  
0.90-1.10mm  
T2 Terminator Die [639105200](#)

**Japan**

<b>Description</b>	<b>Product #</b>
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Extraction Tool	<a href="#">571056000</a>
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Applicator for M211A	<a href="#">571753000</a>
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Bench Press, 22-30

AWG Wire

S-1 Applicator	<a href="#">571753720</a>
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for Wire-to-Board

Receptacle Terminal,

for 24-30 AWG

Twisted Wire

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