

**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-51090-018-001 (PDF)</a>    |
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification PS-51160-001 (PDF)</a>        |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Product Specification PS-51160-006-001 (PDF)</a>    |
| <a href="#">Product Specification 510650000-PS-000 (PDF)</a> | <a href="#">Product Specification PS-51225-003-001 (PDF)</a>    |
| <a href="#">Product Specification PS-35507-002-001 (PDF)</a> | <a href="#">Product Specification PS-52968-006-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51065-005 (PDF)</a>     | <a href="#">Product Specification PS-52968-007-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51065-016-001 (PDF)</a> | <a href="#">Product Specification PS-53358-001-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51065-017-001 (PDF)</a> | <a href="#">Product Specification PS-53717-002-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51065-018-001 (PDF)</a> | <a href="#">Product Specification PS-54111-001 (PDF)</a>        |
| <a href="#">Product Specification PS-51089-001 (PDF)</a>     | <a href="#">Product Specification PS-54111-002-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51089-005-001 (PDF)</a> | <a href="#">Product Specification PS-54452-006-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51090-003 (PDF)</a>     | <a href="#">Product Specification PS-55533-004-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51090-004-001 (PDF)</a> | <a href="#">Application Specification 510900001-000 (PDF)</a>   |
| <a href="#">Product Specification PS-51090-005-001 (PDF)</a> | <a href="#">Packaging Specification SPK-50212-001-001 (PDF)</a> |
| <a href="#">Product Specification PS-51090-009 (PDF)</a>     | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-51090-016-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                        |
| <a href="#">Product Specification PS-51090-017-001 (PDF)</a> |   |



**EU ELV**  
**Compliant**

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

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

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

**Low-Halogen**

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

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Compliant     |
| RoHS Phthalates | Not Contained |

**General**

|                         |   |
|-------------------------|---|
| Product Family          | Crimp Terminals                                   |
| Series                  | <u>50212</u>                                      |
| Application             | Automotive, Signal, Wire-to-Board                 |
| Crimp Quality Equipment | Yes   |
| Overview                | <u>Micro-Latch Wire-to-Board Connector System</u> |
| Packaging Alternative   | <u>502128100 (Loose)</u>                          |
| 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  |
| Crimp Specification       | CS-50212   |
| Packaging Specification   | SPK-50212-001-001  |
| Product Specification     | 510650000-PS-000, PS-35507-002-001,<br>PS-51065-005, PS-51065-016-001, PS-51065-017-001, |

**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 # |
|-------------|-----------|
|-------------|-----------|

|  |                  |
|--|------------------|
| Extraction Tool                                      | <u>11030043</u>  |
| Hand Crimp Tool for 2.00mm Pitch Terminal, 24-30 AWG | <u>638190500</u> |
| FineAdjust Applicator for 2.00mm Pitch Wire-to-Board | <u>639005200</u> |

Sales Drawing

PS-51065-018-001, PS-51089-001, PS-51089-005-001,  
PS-51090-003, PS-51090-004-001, PS-51090-005-001,  
PS-51090-009, PS-51090-016-001, PS-51090-017-001,  
PS-51090-018-001, PS-51160-001, PS-51160-006-001,  
PS-51225-003-001, PS-52968-006-001,  
PS-52968-007-001, PS-53358-001-001,  
PS-53717-002-001, PS-54111-001, PS-54111-002-001,  
PS-54452-006-001, PS-55533-004-001  
502120000-SD-000

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> |
|--------------------|------------------|
|--------------------|------------------|

|                 |                  |
|-----------------|------------------|
| Extraction Tool | <u>571056000</u> |
|-----------------|------------------|

|                      |                  |
|----------------------|------------------|
| Applicator for M211A | <u>571753000</u> |
|----------------------|------------------|

Bench Press, 22-30

AWG Wire

|                |                  |
|----------------|------------------|
| S-1 Applicator | <u>571753720</u> |
|----------------|------------------|

for Wire-to-Board

Receptacle Terminal,

for 24-30 AWG

Twisted Wire

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