

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0502128100**
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, Bag

Documents:

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



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	<u>502128000 (Reel)</u>
Product Name	DuraClik, Mi II, Micro-Latch, Sherlock
Taxonomy	Crimp Terminals
UPC	800754369473

Physical

Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	20.400/mg
Packaging Type	Bag
Plating min - Mating	0.900µm
Plating min - Termination	0.900µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.40mm max.
Wire Size AWG	24, 26, 28, 30
Wire Size mm ²	N/A

Electrical

Current - Maximum per Contact	2.0A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification	510900001-000
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,

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

50212 Series

Use With

DuraClik Receptacle Housing 502351 .
Micro-Latch Receptacle Housing 51065 . 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 for	<u>11030043</u>
---------------------	-----------------

Micro-Fit Terminals	
---------------------	--

Hand Crimp Tool	<u>638190500</u>
-----------------	------------------

for 2.00mm Pitch	
------------------	--

Terminal, 24-30	
-----------------	--

AWG	
-----	--

Japan

Description	Product #
--------------------	------------------

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

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-53717-002-001,
PS-54111-002-001, PS-55533-004-001
502120000-SD-000

Hand Crimp Tool 571765000

This document was generated on 10/27/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION