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Part Number: [56121-8628](#)
Status: **Active**
Overview: CRC™ (Compact Robotic Connectors)
Description: CRC™ Shielded Rectangular I/O Female Terminal, Signal, Low-Insertion Force Type, Reel

Documents:

[Drawing \(PDF\)](#) [Product Specification PS-51238-018 \(PDF\)](#)
[Product Specification PS-500810-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-51238-017 \(PDF\)](#)

General

Product Family	I/O Connectors
Series	56121
Application	N/A
Component Type	Terminal
Overview	CRC™ (Compact Robotic Connectors)
Product Name	CRC™
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	N/A
Durability (mating cycles max)	50
Gender	Female
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Orientation	Vertical
Packaging Type	Reel
Panel Mount	N/A
Pitch - Mating Interface	N/A
Plating min - Mating	0.254µm
Plating min - Termination	1.016µm
Polarized to Mating Part	N/A
Polarized to PCB	N/A
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Crimp or Compression
Waterproof / Dustproof	No
Wire Insulation Diameter	2.20mm max.
Wire Size AWG	18, 20, 22

Electrical

Current - Maximum per Contact	7A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

UPC	822348890033
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Reference - Drawing Numbers

Product Specification	PS-500810-001, PS-51238-017, PS-51238-018, RPS-51238-001
Sales Drawing	SD-56121-004



image - Reference only

Series

EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Low-Halogen Status Low-Halogen

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

[56121Series](#)

Mates With

[56116](#) , [56117](#) , [56118](#) , [56119](#)

Use With

[51238](#) , [51239](#)

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 #
Hand Tool for I/O Male Terminals, 18-22 AWG Wire	0638192100
Extraction Tool for Compact Robot Connector Crimp Female Terminal for 18-28 AWG Wire	0638133200

FineAdjust™ 0638659000
Applicator

Japan

Description **Product #**

Applicator for M211A 0574073000

Bench Press, 18-28

AWG Wire

Hand Extraction Tool 0574076100

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