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Part Number: [56121-8428](#)
Status: **Active**
Overview: CRC™ (Compact Robotic Connectors)
Description: Mini-HMC™ Female Terminal, for 18-22 AWG, Lead-Free, Reel Packaging

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, 22

Electrical

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

Material Info

UPC	822348894086
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Reference - Drawing Numbers

Product Specification	PS-500810-001, PS-51238-017, PS-51238-018, RPS-51238-001
Sales Drawing	SD-56121-007



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

[561198228](#)

Use With

[5008110010](#) Cover, [500809](#) Shell, [5008131000](#) Housing, [58550](#) End Bell Cap Assembly

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	0638133200

Female Terminal for
18-28 AWG Wire
FineAdjust™ 0638659000
Applicator

Description	Product #
Applicator for M211A Bench Press, 18-28 AWG Wire	<u>0574073000</u>
Hand Extraction Tool	<u>0574076100</u>

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