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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-500810-001 (PDF)

Product Specification PS-51238-017 (PDF)

Product Specification PS-51238-018 (PDF)

RoHS Certificate of Compliance (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
Reference - Drawing Numbers	
Product Specification	PS-500810-001, PS-51238-017, PS-51238-018, RPS-51238-001
Sales Drawing	SD-56121-007

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™ Applicator		<u>0638659000</u>
Japan		
Description	Product #	
Applicator for M211A	<u>0574073000</u>	
Bench Press, 18-28 AWG Wire		
Hand Extraction Tool	<u>0574076100</u>	

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[56121-8428 \(Mouser Reel\)](#) [56121-8428 \(Cut Strip\)](#)