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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-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, 20, 22

Electrical

Current - Maximum per Contact

7A

Voltage - Maximum

250V AC (RMS)/DC

Material Info

UPC

822348890033

Reference - Drawing Numbers

Product Specification

PS-500810-001, PS-51238-017, PS-51238-018, RPS-51238-001

Sales Drawing

SD-56121-004



image - Reference onlySeries

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen



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™	<u>0638659000</u>
Applicator	
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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[56121-8628 \(Mouser Reel\)](#) [56121-8628 \(Cut Strip\)](#)