

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0512335012](#)
Status: **Active**
Overview: CRC™ (Compact Robotic Connectors)
Description: CRC™ Shielded Rectangular I/O Receptacle Housing for Male Terminal, Signal, 50 Circuits, Polarization Type A, Polarization Position C-5

Documents:

| | |
|--|--|
| 3D Model | Product Specification PS-51238-017-001 (PDF) |
| Drawing (PDF) | Application Specification AS-51238-017-001 (PDF) |
| Product Specification PS-51238-016-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | I/O Connectors |
| Series | 51233 |
| Application | Panel-Mount, Wire-to-Wire |
| Component Type | Housing |
| Overview | CRC™ (Compact Robotic Connectors) |
| Product Name | CRC™ |
| Type | N/A |
| UPC | 756054154663 |

Physical

| | |
|--------------------------------|-----------------|
| Boot Color | N/A |
| Circuits (Loaded) | N/A |
| Circuits (maximum) | 50 |
| Color - Resin | Gray |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Gender | Receptacle |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Stainless Steel |
| Material - Plating Mating | N/A |
| Material - Resin | Polyester |
| Net Weight | 9770.000/mg |
| Number of Rows | 10 |
| Orientation | Vertical |
| PCB Locator | No |
| Packaging Type | Tray |
| Panel Mount | Front, Rear |
| Pitch - Mating Interface | 3.00mm |
| Pitch - Termination Interface | 3.00mm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | N/A |
| Ports | 1 |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | N/A |
| Waterproof / Dustproof | No |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 7.0A |
| Shielded | No |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Not Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

| | |
|-----------------|---------------|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

[51233 Series](#)

Mates With

51239-501* Plug Housing|54332-500* Plug
Assembly Set

Use With

56116, 56117, 56118 and 56119 Male
Terminal|56377-500* Receptacle Shell

Voltage - Maximum

250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification

AS-51238-017-001

Product Specification

PS-51238-016-001, PS-51238-017-001

Sales Drawing

SD-51233-013

This document was generated on 02/22/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[51233-1211](#) [51233-2011](#) [51233-3011](#) [51233-5012](#)