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**Part Number:** [55837-5001](#)  
**Status:** **Active**  
**Overview:** CRC™ (Compact Robotic Connectors)  
**Description:** CRC™ Shielded Rectangular I/O Receptacle Assembly Set, Wire-to-Wire, Male Terminal, Signal, 50 Circuits, Polarization Type Standard

**Documents:**

[Drawing \(PDF\)](#) [Product Specification PS-51238-017 \(PDF\)](#)  
[Product Specification PS-51238-016 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

TUV R72081037

**General**

Product Family I/O Connectors  
 Series [55837](#)  
 Application Wire-to-Wire  
 Component Type Housing  
 Overview [CRC™ \(Compact Robotic Connectors\)](#)  
 Product Name CRC™  
 Type N/A  
 UPC 756054154342

**Physical**

Circuits (Loaded) 50  
 Circuits (maximum) 50  
 Color - Resin Black, Gray  
 Durability (mating cycles max) 100  
 Flammability 94V-0  
 Gender Pin  
 Keying to Mating Part Yes  
 Lock to Mating Part Yes  
 Material - Metal Stainless Steel, Steel  
 Material - Plating Mating N/A  
 Material - Resin Polyester  
 Net Weight 150594.144/mg  
 Orientation Vertical  
 PCB Locator No  
 Packaging Type Tray  
 Panel Mount No  
 Pitch - Mating Interface 3.00mm  
 Pitch - Termination Interface 3.00mm  
 Polarized to Mating Part Yes  
 Polarized to PCB No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Crimp or Compression  
 Waterproof / Dustproof No

**Electrical**

Current - Maximum per Contact 2.5A  
 Shield Type Full Shield  
 Shielded Yes  
 Voltage - Maximum 250V AC (RMS)/DC

**Material Info**



image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

Not Reviewed

**China RoHS**



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

Email [productcompliance@molex.com](mailto: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**

[55837Series](#)

**Mates With**

CRC™ Shielded Rectangular I/O Plug Housing [51239](#) , [54332](#)

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-51238-016, PS-51238-017  
SD-55837-005

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