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**Part Number:** [0512970471](#)  
**Status:** **Active**  
**Overview:** CRC (Compact Robotic Connectors)  
**Description:** CRC Shielded Rectangular I/O Plug Assembly Set, Female Terminal, Power, 4 Circuits, Polarization Type A, Lead-Free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-51300-005-001 \(PDF\)](#)

**General**

|                |  |
|----------------|--|
| Product Family | I/O Connectors                                   |
| Series         | <a href="#">51297</a>                            |
| Application    | Wire-to-Wire                                     |
| Component Type | Kit  |
| Overview       | <a href="#">CRC (Compact Robotic Connectors)</a> |
| Product Name   | CRC  |
| Type           | N/A  |
| UPC            | 822350847780                                     |

**Physical**

|                                |                                  |
|--------------------------------|----------------------------------|
| Circuits (Loaded)              | 4                                |
| Circuits (maximum)             | 4                                |
| Color - Resin                  | Black, Gray                      |
| Durability (mating cycles max) | 100                              |
| Gender                         | Plug                             |
| Keying to Mating Part          | Yes                              |
| Lock to Mating Part            | Yes                              |
| Material - Metal               | Phosphor Bronze, Stainless Steel |
| Material - Plating Mating      | N/A                              |
| Material - Resin               | Polyester                        |
| Net Weight                     | 26290.564/mg                     |
| Number of Rows                 | 2                                |
| Orientation                    | Vertical                         |
| PCB Locator                    | No                               |
| Packaging Type                 | Tray                             |
| Panel Mount                    | No                               |
| Pitch - Mating Interface       | 4.80mm                           |
| Pitch - Termination Interface  | 4.80mm                           |
| Polarized to Mating Part       | Yes                              |
| Polarized to PCB               | N/A                              |
| 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 | 12.5A            |
| Shield Type                   | Full Shield      |
| Shielded                      | Yes              |
| Voltage - Maximum             | 250V AC (RMS)/DC |

**Material Info**

**Reference - Drawing Numbers**

|                       |                  |
|-----------------------|------------------|
| Product Specification | PS-51300-005-001 |
| Sales Drawing         | SD-51297-003     |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[51297 Series](#)

**Mates With**

CRC Shielded Rectangular I/O Receptacle  
Housing [55890](#) , [55889](#)

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