molex



**Part Number :** 512331211
**Product Description :** CRC Shielded Rectangular I/O Receptacle Housing for Male Terminal, Signal, 12 Circuits, Polarization Type Standard
**Series Number :** 51233
**Status :** Active
**Product Category :** I/O Connectors

## Documents & Resources

### Drawings

512331211_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

AS-51238-011-001.pdf

PS-51238-010-001.pdf

PS-51238-018-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | I/O Connectors |
| Series | 51233 |
| Description | CRC Shielded Rectangular I/O Receptacle Housing for Male Terminal, Signal, 12 Circuits, Polarization Type Standard |
| Application | Panel-Mount, Wire-to-Wire |
| Component Type | Housing |
| Product Name | CRC |
| Type | N/A |
| UPC | 800756205724 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 4.0A |
| Shielded | No |
| Voltage - Maximum | 250V AC (RMS)/DC |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| Color - Resin | Black |
| 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 | 2777.000/mg |
| Orientation | Vertical |
| Packaging Type | Tray |
| Panel Mount | Front, Rear |
| PCB Locator | No |
| Pitch - Mating Interface | 3.00mm |
| Pitch - Termination Interface | 3.00mm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | N/A |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | N/A |
| Waterproof / Dustproof | No |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| CRC Shielded Rectangular I/O Plug Housings | 51239 |
| CRC Shielded Rectangular I/O Plug Assembly Sets | 54332 |

### Use with Part(s)

| Description | Part Number |
| --- | --- |
| CRC Signal Male Terminals | 56116 |
| CRC Signal Male Terminals | 56117 |
| CRC Signal Male Terminals | 56118 |
| CRC Signal Male Terminals | 56119 |
| CRC Shielded Rectangular I/O Receptacle Shells | 56377 |