one company › a world of innovation

# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

| | |
|---|---|
| **Part Number:** | **502046-2070** |
| **Status:** | **Active** |
| **Overview:** | Duo-Clasp™ |
| **Description:** | 1.25mm Pitch Duo-Clasp™ Wire-to-Board PCB Receptacle, Dual Row, Right Angle, 20 Circuits |

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-501931-002 (PDF)
Application Specification AS-503110-001 (PDF)

Application Specification AS-503110-002 (PDF)
Packaging Specification SPK-502046-001 (PDF)
RoHS Certificate of Compliance (PDF)

*Series*
image - Reference only

**EU RoHS**          **China RoHS**
**ELV and RoHS**
**Compliant**
**REACH SVHC**
**Contains SVHC: No**
**Low-Halogen Status**
**Not 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.

## General

| | |
|---|---|
| Product Family | PCB Receptacles |
| Series | 502046 |
| Application | Signal, Wire-to-Board |
| Overview | Duo-Clasp™ |
| Product Name | Duo-Clasp™ |
| UPC | 822350606219 |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 20 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| Glow-Wire Compliant | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Mated Height | 7.85mm |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Net Weight | 1064.040/mg |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PCB Locator | No |
| PCB Retention | Yes |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface | 1.25mm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| Stackable | No |
| Temperature Range - Operating | -25℃ to +85℃ |
| Termination Interface: Style | Surface Mount |

**Search Parts in this Series**
502046Series

**Mates With**
503110 Crimp Housing . 501930 Crimp Terminal

## Electrical

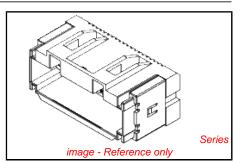| | |
|---|---|
| Current - Maximum per Contact | 1A |
| Voltage - Maximum | 50V AC (RMS)/DC |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Application Specification | AS-503110-001, AS-503110-002 |
| Packaging Specification | SPK-502046-001 |
| Product Specification | PS-501931-002, RPS-501931-002, RPS-501931-003, RPS-501931-004, RPS-501931-005 |

This document was generated on 02/04/2013
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**