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Part Number:

0194031010

Status:

Active

Overview:

Self-Contained Power Connector (SCPC)

Description:

Self-Contained Power Connector for Stranded Nonmetallic Sheathed Cable, 12 AWG

Documents:

3D Model

Drawing (PDF)

3D Model (PDF)

Product Specification PS-19902-011-001 (PDF)

Packaging Specification PK-19403-101-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| Agency Certification           |                                                                           |
| CSA                            | LR18689                                                                   |
| UL                             | E182087                                                                   |
| General                        |                                                                           |
| Product Family                 | I/O Connectors                                                            |
| Series                         | 19403                                                                     |
| Application                    | Wire-to-Wire                                                              |
| Comments                       | Used-wire boats and many other applications using 110 and 220 AC circuits |
| Component Type                 | Plug, Receptacle                                                          |
| Overview                       | Self-Contained Power Connector (SCPC)                                     |
| Product Name                   | SCPC                                                                      |
| Taxonomy                       | I/O Connectors                                                            |
| Type                           | N/A                                                                       |
| UPC                            | 800753112681                                                              |
| Physical                       |                                                                           |
| Circuits (Loaded)              | 2                                                                         |
| Circuits (maximum)             | 2                                                                         |
| Circuits Detail                | 2 Circuits with Ground                                                    |
| Color - Resin                  | Clear, Natural                                                            |
| Durability (mating cycles max) | 250                                                                       |
| Flammability                   | 94-5VA                                                                    |
| Lock to Mating Part            | Yes                                                                       |
| Material - Metal               | High Copper Alloy                                                         |
| Material - Plating Mating      | Tin                                                                       |
| Material - Plating Termination | Tin                                                                       |
| Material - Resin               | Polycarbonate, Polyester                                                  |
| Net Weight                     | 27.307/g                                                                  |
| Number of Rows                 | 1                                                                         |
| Orientation                    | Vertical                                                                  |
| PCB Retention                  | N/A                                                                       |
| Packaging Type                 | Bag                                                                       |
| Panel Mount                    | No                                                                        |
| Pitch - Mating Interface       | 10.10mm                                                                   |
| Plating min - Mating           | 2.540µm                                                                   |
| Plating min - Termination      | 2.540µm                                                                   |
| Polarized to Mating Part       | Yes                                                                       |
| Surface Mount Compatible (SMC) | N/A                                                                       |
| Temperature Range - Operating  | -35° to +85°C                                                             |
| Termination Interface: Style   | IDT or Pierce                                                             |
| Wire Size AWG                  | 12                                                                        |
| Electrical                     |                                                                           |
| Current - Maximum per Contact  | 20.0A                                                                     |
| Voltage - Maximum              | 600V                                                                      |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per - D(2022)4187-DC (10 June 2022)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

19403 Series

Mates With

190451000 Self-Contained Power Connector for Solid Cable, 12-14 AWG, 194031010 Self-Contained Power Connector for Stranded Cable, 12 AWG, 194021010 Self-Contained Power Tap Connector for Stranded Cable, 12 AWG, 194240002 Self-Contained Connector Splitter Assembly

Use With

190453180 Safety Cap, 194031060 Weather Tight Male Boot for 1216 AWG Marine Stranded Cable, 194031061 Weather Tight Female Boot for 1216 AWG Marine Stranded Cable

Application Tooling | [FAQ](#)

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then

**Material Info**

Engineering Number 194031010 P

**Reference - Drawing Numbers**

Packaging Specification PK-19403-101-001  
Product Specification PS-19902-011-001  
Sales Drawing SD-19045-001-001, SD-19403-110-001

*contained in the Application Tooling Specification document.*

| <b>Description</b>                                                                                                                                              | <b>Product #</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Ratchet Hand Tool for Self-contained Power Connectors, 12-16 AWG Hand Crimp Tool, SC640015300 Power Connectors Manual Arbor Press, 640060200 SC Power Connector | <u>192850180</u> |

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