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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](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)
[Product Specification PS-19902-011-001 \(PDF\)](#)

Agency Certification

CSA LR18689
 UL E182087

General

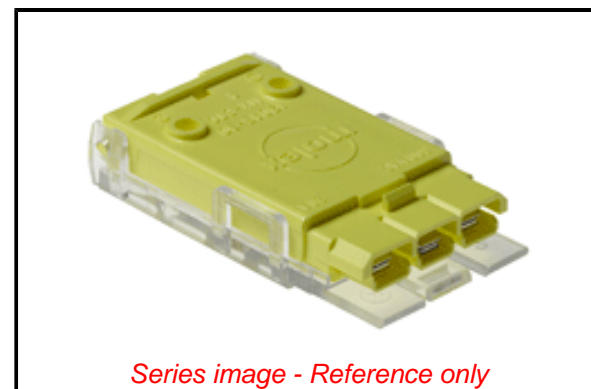
Product Family I/O Connectors
 Series [19403](#)
 Application Wire-to-Wire
 Comments Used-wire boats and many other applications using 110 and 220 AC circuits, Used-wire boats and many other applications using 110 and 220 AC circuits
 Component Type Plug, Receptacle
 Overview [Self-Contained Power Connector \(SCPC\)](#)
 Product Literature Order No 987650-0531
 Product Name SCPC
 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Contained Per - ED/108/2014 (17 Dec 2014)

Halogen-Free

Status

Not Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

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

| | |
|------------------------------------|--------------------------------|
| Voltage - Maximum | 600V |
| Material Info | |
| Engineering Number | 194031010 P |
| Reference - Drawing Numbers | |
| Product Specification | PS-19902-011-001 |
| Sales Drawing | SD-19045-001-001, SD-19403-110 |

*contained in the Application Tooling
Specification document.*

Global

| Description | Product # |
|--|------------------|
| 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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