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Part Number: [0190451000](#)
Status: **Active**
Overview: [Self-Contained Power Connector \(SCPC\)](#)
Description: Self-Contained Power Connector for Solid Nonmetallic Sheathed Cable, 12-14 AWG

Documents:

[3D Model](#) [Product Specification PS-19902-011-001 \(PDF\)](#)
[3D Model \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR18689
 UL E182087

General

Product Family I/O Connectors
 Series [19045](#)
 Application Wire-to-Wire
 Comments Used-wire home, buildings, office partitions, RVs, Motorhomes and many more electrical 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 800753021822

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 26.380/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 1.016µm
 Plating min - Termination 1.016µm
 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, 14

Electrical

Current - Maximum per Contact 20.0A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

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

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[19045](#) Series

Mates With

[190451000](#) Self-Contained Power Connector for Solid Cable, 12-14 AWG, [194031011](#) Self-Contained Power Connector for Stranded Cable, 14-16 AWG, [194031010](#) Self-Contained Power Connector for Stranded Cable, 12 AWG, [194240002](#) Self-Contained Connector Splitter Assembly

Use With

[190453180](#) Safety Cap, [194250001](#) Weather Tight Male Boot for 1214 AWG Solid Cable, [194250002](#) Weather Tight Female Boot for 1214 AWG Solid Cable

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Voltage - Maximum

300V

Material Info

Engineering Number

COC-1

Reference - Drawing Numbers

Product Specification

PS-19902-011-001

Sales Drawing

SD-19045-003-001, SD-19045-100-001

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

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