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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

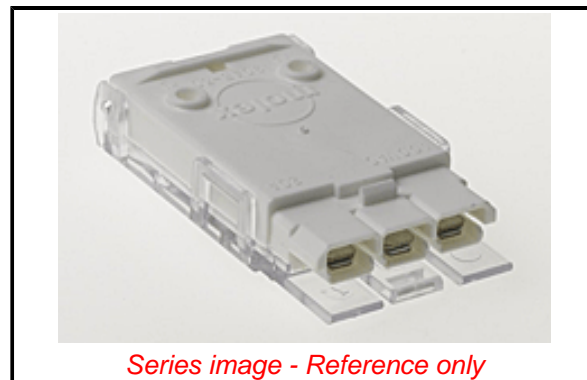
Product Family I/O Connectors
 Series 19045
 Application Wire-to-Wire
 Comments Used-wire home, buildings, office partitions, RVs, Motorhomes and many more electrical applications using 110 and 220 AC circuits
 Component Type Plug, Receptacle
 Overview Self-Contained Power Connector (SCPC)
 Product Name SCPC
 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
 Voltage - Maximum 300V



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ECHA_01_2020 (16 January 2020)

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.

Material Info

Engineering Number

COC-1

Reference - Drawing Numbers

Product Specification

PS-19902-011-001

Sales Drawing

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

Global**Description****Product #**

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

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