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

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
 MolexKits Yes
 Overview [Self-Contained Power Connector \(SCPC\)](#)
 Product Literature Order No 987650-0531
 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
 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°C to +85°C
 Termination Interface: Style IDT or Pierce
 Wire Size AWG 12, 14

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS
 ELV

Green Image
 Not Relevant

Search Parts in this Series

[19045 Series](#)

Mates With

[19045-1000](#) Self-Contained Power Connector for Solid Cable, 12-14 AWG, [19403-1011](#) Self-Contained Power Connector for Stranded Cable, 14-16 AWG, [19403-1010](#) Self-Contained Power Connector for Stranded Cable, 12 AWG, [19424-0002](#) Self-Contained Connector Splitter Assembly

Use With

[19045-3180](#) Safety Cap, [19425-0001](#) Weather Tight Male Boot for 12-14 AWG Solid Cable, [19425-0002](#) Weather Tight Female Boot for 12-14 AWG Solid Cable

[Application Tooling](#) | [FAQ](#)

Current - Maximum per Contact	20.0A
Voltage - Maximum	300V
Material Info	
Old Part Number	COC-1
Reference - Drawing Numbers	
Product Specification	PS-19902-011
Sales Drawing	SD-19045-003, SD-19045-100

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

Global

Description	Product #
Hand Crimp Tool	<u>0192850074</u>
Hand Crimp Tool, SC0640015300 Power Connectors	<u>0640060200</u>
Manual Arbor Press, SC Power Connector	

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