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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 **China RoHS**
Compliant
REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)
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
[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.

COC-1

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

Ratchet Hand Tool 192850180
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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