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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



Series image - Reference only

Documents:

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

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

REACH SVHC
Not Contained Per - D(2020)4578-DC (25 June 2020)

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.

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 #
Ratchet Hand Tool for Self-contained Power Connectors, 12-16 AWG	192850180
Hand Crimp Tool, SC Power Connectors	640015300
Manual Arbor Press, SC Power Connector	640060200

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