

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

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
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

China 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

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.

Voltage - Maximum	300V	Global
Material Info		Description
Engineering Number	COC-1	Product #
Reference - Drawing Numbers		
Product Specification	PS-19902-011-001	Ratchet Hand Tool for Self-contained Power Connectors, 12-16 AWG
Sales Drawing	SD-19045-003-001, SD-19045-100-001	Hand Crimp Tool, SC640015300
		Power Connectors
		Manual Arbor Press, 640060200
		SC Power Connector

This document was generated on 01/31/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION