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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

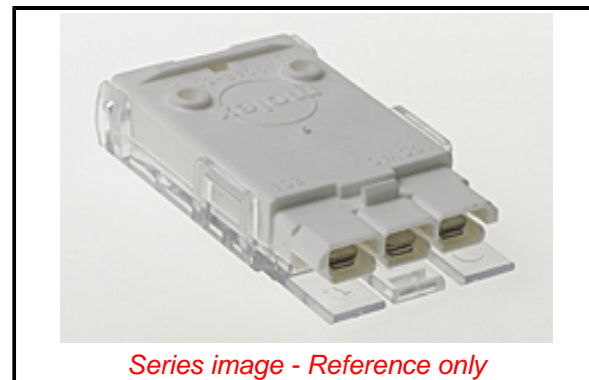
Product Family I/O Connectors
 Series 19045
 Application Wire-to-Wire
 Comments Used-wire home, buildings, office partitions, RVs, Motorhomes and many more electrical applications using 110 and 220 AC circuits
 Component Type Plug, Receptacle
 Overview Self-Contained Power Connector (SCPC)
 Product Name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

Contained Per - D(2021)4569-DC (8 July 2021)
 reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioct Diocyltin dilaurate, stannane, dioctyl-, bis(co Pyrene Tris(4-nonylphenyl, branched and linear) phosphi Nonadecafluorodecanoic acid (PFDA) and its sodiu Zirconia Aluminosilicate Refractory Ceramic Fibr Aluminosilicate Refractory Ceramic Fibres Boric acid 1,2- Benzenedicarboxylic acid, dipentyl ester, br Terphenyl, hydrogenated 2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-b Dibutylbis(pentane-2,4-dionato-O,O')tin 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3, Ammonium-pentadecafluorooctanoate

China RoHS

Material Info

Engineering Number

COC-1

Reference - Drawing Numbers

Product Specification

PS-19902-011-001

Sales Drawing

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

1,3-Propanesultone
Dibutyltin-dichloride
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
Disodium 3,3'-[[1,1'-
Biphenyl]-4,4'-
Diylbis(Azo)
Dodecamethylcyclhexasiloxane
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-
pen
Benzo(ghi)perylene
Dihexyl-phthalate
Fatty Acids, C16-18,
Lead Salts
[Phthalato(2-)]dioxotrilead
Cadmium Hydroxide
Lead titanium
zirconium oxide
Pentalead-tetraoxide-
sulphate
pyrochlore, antimony
lead yellow
Lead(II,IV)-oxide
Cadmium-oxide
Diboron-trioxide
Decabromodiphenylether
1,2-bis(2-
methoxyethoxy)ethane
1,2-Dimethoxyethane
1,2-
Benzenedicarboxylic
acid, bis(2-
methoxyethyl
Pentazinc-chromate-
octahydroxide
Potassium
hydroxyoctaoxidizincatedichromate
1,2-
Benzenedicarboxylic
acid, di-C6-8-
branched a
1,2-
Benzenedicarboxylic
acid, di-C7-11-
branched

**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.

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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