



Part Number : 194031011

Series Number : 19403

Product Category : I/O Connectors

Product Description : Self-Contained Power Connector for Stranded Nonmetallic Sheathed Cable, 14-16 AWG

Status : Active

Engineering Number : 194031011 P

Documents & Resources

Drawings

Drawing 194031011_sd.pdf

Packaging Design Drawing PK-19403-101-001.pdf

3D Models and Design Files

3D Model 194031011_stp.zip

Specifications

Product Specification PS-19902-011-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	I/O Connectors
Series	19403
Description	Self-Contained Power Connector for Stranded Nonmetallic Sheathed Cable, 14-16 AWG
Application	Wire-to-Wire
Comments	Used-wire boats and many other applications using 110 and 220 AC circuits
Component Type	Plug, Receptacle
Product Family	Self-Contained Power Connector (SCPC)
Product Name	SCPC
Type	N/A
UPC	800753112698

Agency

CSA	LR18689
UL	E182087

Electrical

Current - Maximum per Contact	20.0A
Voltage - Maximum	600V

Physical

Circuits Detail	2 Circuits with Ground
Circuits (Loaded)	2
Circuits (maximum)	2
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	26.753/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
Panel Mount	No
PCB Retention	N/A
Pitch - Mating Interface	10.10mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-35° to +85°C
Termination Interface Style	IDT or Pierce
Wire Size (AWG)	14, 16

Mates With / Use With

Mates with Part(s)

Description	Part Number
Self-Contained Power Connector for Solid Nonmetallic Sheathed Cable, 12-14 AWG	<u>190451000</u>

Use with Part(s)

Description	Part Number
Self-Contained Power Connector (SCPC) Safety Cap	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/190453180.html</u>

Application Tooling

Global

Description	Part Number
Ratchet Hand Tool for Self-contained Power Connectors, 12-16 AWG	<u>192850180</u>
Hand Crimp Tool, SC Power Connectors	<u>640015300</u>
Manual Arbor Press, SC Power Connector	<u>640060200</u>

This document was generated on May 24, 2024