



**Part Number :** [194031010](#)

**Product Description :** Self-Contained Power Connector for Stranded Nonmetallic Sheathed Cable, 12 AWG

**Series Number :** 19403

**Status :** Active

**Product Category :** I/O Connectors

**Engineering Part Number :** 194031010 P



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## Documents and Resources

### Drawings

[194031010\\_sd.pdf](#)

[PK-19403-101-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)


[SOLIDWORKS](#)

[Creo](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	I/O Connectors
Series	19403
Description	Self-Contained Power Connector for Stranded Nonmetallic Sheathed Cable, 12 AWG
Application	Wire-to-Wire
Comments	Used-wire boats and many other applications using 110 and 220 AC circuits
Component Type	Plug, Receptacle
Product Name	SCPC
Type	N/A
UPC	800753112681

### 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	27.307/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)	12

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## Mates With / Use With

### Mates with Part(s)

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

### Use with Part(s)

Description	Part Number
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Self-Contained Power Connector (SCPC) Safety Cap	<u>190453180</u>
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## Application Tooling

### Global

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

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