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



Documents and Resources

Drawings

194031010_sd.pdf

PK-19403-101-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-19902-011-001.pdf

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

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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

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

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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

Mates With / Use With

Mates with Part(s)

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

Use with Part(s)

Description	Part Number

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Self-Contained Power Connector (SCPC) Safety Cap	190453180

Application Tooling

Global

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

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