



Part Number : 194210001

Product Description : Self-Contained Power Connector for 2 Circuit Round Cable with Ground, 12 AWG, Insulation Diameter 8.64-11.18mm

Series Number : 19421

Status : Active

Product Category : I/O Connectors

Documents & Resources


Drawings

Drawing 194210001_sd.pdf

Packaging Design Drawing PK-19421-001-001.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(2024)4144-DC (27 June 2024)
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	19421
Description	Self-Contained Power Connector for 2 Circuit Round Cable with Ground, 12 AWG, Insulation Diameter 8.64-11.18mm
Application	Wire-to-Wire
Comments	2 Circuit SEOW/SJEW versions specifically engineered-accommodate round jacketed, stranded conductor power cords typically found in RV slide-out manufacturing applications
Component Type	Plug, Receptacle
Product Family	Self-Contained Power Connector (SCPC)
Product Name	SCPC
Type	N/A
UPC	756054599310

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	17.633/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	1.016µm
Plating min - Termination	1.016µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-35° to +85°C
Termination Interface Style	IDT or Pierce
Wire Insulation Diameter	8.64-11.18mm
Wire Size (AWG)	12

Solder Process Data

Lead-Free Process Capability	N/A
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Use with Part(s)

Description	Part Number
Self-Contained Power Connector (SCPC) Safety Cap	/content/molex/molex-dot-com/us/en/products/product-page.html/190453180.html
Weather Tight Male Boot for Self-Contained Power Connectors, Round Stranded Cable, 12-14 AWG	/content/molex/molex-dot-com/us/en/products/product-page.html/194260001.html
Weather Tight Female Boot for Self-Contained Power Connectors, Round Stranded Cable, 12-14 AWG	/content/molex/molex-dot-com/us/en/products/product-page.html/194260002.html

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>

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