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Part Number:

0194031300

Status:

Active

Overview:

Self-Contained Power Connector (SCPC)

Description:

Self-Contained Power Connector for Solid or Stranded Nonmetallic Sheathed Cable, 10 AWG

Documents:

3D Model

3D Model (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| Agency Certification           |                                                                           |
| UL                             | E196349                                                                   |
| General                        |                                                                           |
| Product Family                 | I/O Connectors                                                            |
| Series                         | 19403                                                                     |
| Application                    | Wire-to-Wire                                                              |
| Comments                       | Used-wire boats and many other applications using 110 and 220 AC circuits |
| Component Type                 | Plug, Receptacle                                                          |
| Overview                       | Self-Contained Power Connector (SCPC)                                     |
| Product Name                   | SCPC                                                                      |
| Type                           | N/A                                                                       |
| UPC                            | 800753260313                                                              |
| Physical                       |                                                                           |
| Circuits (Loaded)              | 2                                                                         |
| Circuits (maximum)             | 2                                                                         |
| Circuits Detail                | 2 Circuits with Ground                                                    |
| 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                                                                       |
| Net Weight                     | 49.080/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                  | 10                                                                        |
| Electrical                     |                                                                           |
| Current - Maximum per Contact  | 30.0A                                                                     |
| Voltage - Maximum              | 300V                                                                      |
| Material Info                  |                                                                           |
| Reference - Drawing Numbers    |                                                                           |
| Sales Drawing                  | SD-19045-001-001, SD-19403-129                                            |



Series image - Reference only

|                                                               |              |
|---------------------------------------------------------------|--------------|
| EU ELV                                                        |              |
| Not Relevant                                                  |              |
| EU RoHS                                                       | China RoHS   |
| Not Reviewed                                                  |              |
| REACH SVHC                                                    |              |
| Not Contained Per - ED/108/2014 (17 Dec 2014)                 |              |
| Halogen-Free                                                  |              |
| Status                                                        |              |
| Not Reviewed                                                  |              |
| For more information, please visit <a href="#">Contact US</a> |              |
| China ROHS                                                    | Green Image  |
| ELV                                                           | Not Relevant |
| RoHS Phthalates                                               | Not Reviewed |

Search Parts in this Series

19403 Series

Mates With

194031230 Self-Contained Power Connector, Panel Mount Housing, 10 AWG, 194031300 Self-Contained Power Connector for Solid or Stranded Non-metallic Sheathed Cable, 10 AWG

Use With

194030008 Weather Tight Male Boot for 10 AWG Marine Stranded Cable, 194030009 Weather Tight Female Boot for 10 AWG Marine Stranded 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 # |
| Hand Crimp Tool | 192850084 |

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