Part Number : 2016450181

Product Description : Spot-On Wire-to-Board Header without Nail, 1.50mm Pitch, Dual Row, Vertical, 18 Circuits, with Potting Capability, Matte Tin (Sn) Plating, Black

Series Number : 201645

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

Drawing_2016450181_sd.pdf

3D Models and Design Files

3D Model_2016450181_stp.zip

Specifications

Application Specification_2016440000-A00.pdf
Application Specification_2016440000-A01.pdf
Packaging Specification_2016459200-200.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)8585-DC (23 Jan 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	PCB Headers and Receptacles
Series	201645
Description	Spot-On Wire-to-Board Header without Nail, 1.50mm Pitch, Dual Row, Vertical, 18 Circuits, with Potting Capability, Matte Tin (Sn) Plating, Black
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Family	Spot-On Wire-to-Board Connector System
Product Name	Spot-On
UPC	889056837064

Electrical

Current - Maximum per Contact	2.0A
Voltage - Maximum	100V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	Yes

Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Polyamide
Net Weight	1685.000/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	1.50mm
Pitch - Termination Interface	1.50mm
Plating min - Mating	1.000µm
Plating min - Termination	1.000µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Vacuum Pick-Up Area
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
1.50mm Pitch Spot-On Wire-to-Board Dual Row Receptacle Housings	201644