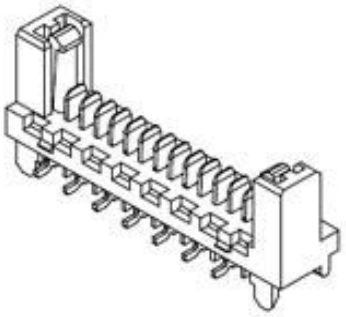
molex



Part Number : 908160018
Product Description : Picoflex Surface Mount Latched Vertical Header with PCB Pegs, 18 Circuits, Tin (Sn) Plating, Black
Series Number : 90816
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

908160018_sd.pdf

PK-90816-006-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

908140000-AS-000.pdf

PK-90816-001-001.pdf

PS-99020-0011-001.pdf

TS-90816-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)

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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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	90816
Description	Picoflex Surface Mount Latched Vertical Header with PCB Pegs, 18 Circuits, Tin (Sn) Plating, Black
Application	Wire-to-Board
Component Type	PCB Header
Product Name	Picoflex
UPC	883906498870

Electrical

Current - Maximum per Contact	1.2A
Voltage - Maximum	250V

Physical

Breakaway	No
Circuits (Loaded)	18

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Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	5
First Mate / Last Break	No
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	N/A
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	Nylon
Net Weight	0.882/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tube
PCB Locator	Yes
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	1.05mm
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.076µm
Plating min - Termination	3.000µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partially Shrouded
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

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Description	Part Number
Picoflex PF-50 Low Profile IDT Receptacles	90327

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