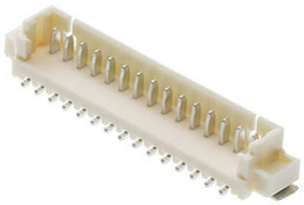
Part Number : 533981271
Product Description : 1.25mm Pitch, PicoBlade PCB Header, Single Row, Vertical, Surface Mount, Tin (Sn) Plating, Friction Lock, 12 Circuits, Tape and Reel, 0.60mm PC Tail Length
Series Number : 53398
Status : Active
Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

533981271_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

533981271.dxf

Specifications

510210000-AS-000.pdf

SPK-53398-002-001.pdf

510211024-PS-000.pdf

510211124-PS-000.pdf

PS-51021-024-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
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

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	53398
Description	1.25mm Pitch, PicoBlade PCB Header, Single Row, Vertical, Surface Mount, Tin (Sn) Plating, Friction Lock, 12 Circuits, Tape and Reel, 0.60mm PC Tail Length
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	PicoBlade
UPC	822348164394

Agency

UL	E29179

Electrical

Current - Maximum per Contact	1.0A
Voltage - Maximum	125V

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Lock to Mating Part	Yes
Mated Height	5.70mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	350.230/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
PC Tail Length	0.60mm
Pitch - Mating Interface	1.25mm
Plating min - Termination	1.000µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
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
PicoBlade Single Row Receptacle Housings	51021
PicoBlade Female-to-PicoBlade Female Off-the-Shelf (OTS) Cable Assemblies	15134