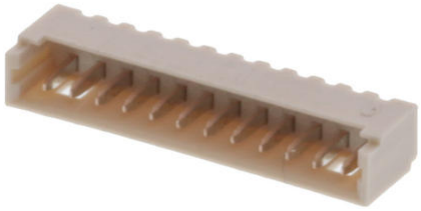
Part Number : 530471210
Product Description : 1.25mm Pitch, PicoBlade PCB Header, Single Row, Vertical, Through Hole, Tin Plating, Friction Lock, 12 Circuits, Tray, 2.30mm PC Tail Length
Series Number : 53047
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

530471210_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

530471210.dxf

Specifications

510210000-AS-000.pdf

SPK-53047-001-001.pdf

510211010-PS-000.pdf

510211110-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

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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	53047
Description	1.25mm Pitch, PicoBlade PCB Header, Single Row, Vertical, Through Hole, Tin Plating, Friction Lock, 12 Circuits, Tray, 2.30mm PC Tail Length
Application	Wire-to-Board
Component Type	PCB Header
Product Name	PicoBlade
UPC	800753750180

Agency

UL	E29179

Electrical

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

Physical

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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
Keying to Mating Part	No
Lock to Mating Part	Yes
Mated Height	5.20mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	235.800/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	0.80mm
PC Tail Length	2.30mm
Pitch - Mating Interface	1.25mm
Plating min - Mating	0.900µm
Plating min - Termination	0.900µm
Polarized to PCB	No
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Through Hole

Mates With / Use With

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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

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