

Part Number: 2068321601

**Product Description :** Micro-Fit+ Vertical Header, Through Hole, 3.00mm Pitch, Dual Row, 16 Circuits, Tin

(Sn) Plating, Glow-Wire Capable, Black, Tray

Series Number: 206832

**Status**: Active

**Product Category :** PCB Headers and Receptacles



#### **Documents & Resources**

#### **Drawings**

2068321601 sd.pdf

2068320000-PK-000.pdf

#### **3D Models and Design Files**

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

#### **Specifications**

1722990000-AS-000.pdf

2064600001-AS-000.pdf

2064600000-PS-000.pdf

2064600000-TS-000.pdf

2064600001-TS-000.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(2024)7663-DC

	(21 Jan 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	206832
Description	Micro-Fit+ Vertical Header, Through Hole, 3.00mm Pitch, Dual Row, 16 Circuits, Tin (Sn) Plating, Glow-Wire Capable, Black, Tray
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Micro-Fit+
UPC	191130125272

## **Agency**

CSA	LR19980
UL	E29179

#### **Electrical**

Current - Maximum per Contact	12.5A
Voltage - Maximum	600V AC (RMS)/DC

# Physical

Breakaway Circuits (Loaded) Circuits (maximum) 16 Color - Resin Black Durability (mating cycles max) First Mate / Last Break No Flammability Glow-Wire Capable Keying to Mating Part Lock to Mating Part Material - Plating Mating Material - Plating Termination Material - Resin Net Weight Net Weight Net Weight Packaging Type PCB Thickness - Recommended Pitch - Termination Interface Shrouded Termination Interface Termination Interface Style Termination Interface Termination Interface Termination Interface Termination Interface Termination Interface Style Through Hole		<u> </u>
Circuits (maximum)  Color - Resin  Black  Durability (mating cycles max)  First Mate / Last Break  No  Flammability  Glow-Wire Capable  Keying to Mating Part  Lock to Mating Part  Material - Metal  Material - Plating Mating  Material - Resin  Net Weight  Net Weight  Net Weight  Packaging Type  PCB Thickness - Recommended  Pitch - Mating Interface  Polarized to Mating Part  Yes  Black  No  Black  Black  Black  Black  Black  Black  Black  Black  Black  No  Black  No  Black  No  Eds  No  Set  Ves  High Copper Alloy  Tin  Liquid Crystal Polymer  Liquid Crystal Polymer  1.968/g  Number of Rows  2  Orientation  Vertical  Packaging Type  Tray  PCB Thickness - Recommended  1.57mm  PC Tail Length  3.18mm  Pitch - Mating Interface  3.00mm  Polarized to Mating Part  Yes  Polarized to PCB  Yes  Shrouded  Yes  Temperature Range - Operating  -40° to +125°C	Breakaway	No
Color - Resin  Durability (mating cycles max)  First Mate / Last Break  No  Flammability  Glow-Wire Capable  Keying to Mating Part  Lock to Mating Part  Material - Metal  Material - Plating Mating  Material - Resin  Material - Resin  Liquid Crystal Polymer  Net Weight  Number of Rows  Orientation  PC Tail Length  Pitch - Mating Interface  Polarized to PCB  Shrouded  Temperature Range - Operating  No  PO  Flammability  94V-0  No  No  194V-0  194V-0  No  No  194V-0  194V-0  194V-0  194V-0  194V-0  194V-0  Yes  High Copper Alloy  Tin  Liquid Crystal Polymer  Liquid Crystal Polymer  1968/g  Number of Rows  2  Vertical  Packaging Type  Tray  PCB Thickness - Recommended  1.57mm  PC Tail Length  3.18mm  Pitch - Mating Interface  3.00mm  Polarized to PCB  Yes  Shrouded  Yes  Temperature Range - Operating  -40° to +125°C	Circuits (Loaded)	16
Durability (mating cycles max)  First Mate / Last Break  No  Flammability  94V-0  Glow-Wire Capable  Keying to Mating Part  Lock to Mating Part  Material - Metal  Material - Plating Mating  Material - Plating Termination  Material - Resin  Liquid Crystal Polymer  Net Weight  Number of Rows  2  Orientation  Packaging Type  PCB Thickness - Recommended  Pitch - Mating Interface  Polarized to Mating Part  Yes  Shrouded  Tin  1.25°C  No  No  Polarized to PCB  Yes  Temperature Range - Operating  Payso  No  Polarized to Hating Part  Yes  Polarized to PCB  Yes  Temperature Range - Operating  Polarized to +125°C	Circuits (maximum)	16
First Mate / Last Break  Flammability  Glow-Wire Capable  Keying to Mating Part  Lock to Mating Part  Material - Metal  Material - Plating Mating  Material - Resin  Material - Resin  Liquid Crystal Polymer  Net Weight  Number of Rows  2  Orientation  PCB Thickness - Recommended  Pitch - Mating Interface  Polarized to Mating Part  Yes  None  None  Net Wesh  High Copper Alloy  Tin  Liquid Crystal Polymer  Liquid Crystal Polymer  Vertical  Packaging Type  Tray  PCB Thickness - Recommended  1.57mm  PC Tail Length  3.18mm  Pitch - Mating Interface  3.00mm  Polarized to Mating Part  Yes  Polarized to PCB  Yes  Shrouded  Yes  Temperature Range - Operating  -40° to +125°C	Color - Resin	Black
Flammability Glow-Wire Capable Keying to Mating Part Lock to Mating Part None Lock to Mating Part High Copper Alloy Material - Plating Mating Tin Material - Plating Termination Tin Material - Resin Liquid Crystal Polymer Net Weight 1.968/g Number of Rows 2 Orientation Vertical Packaging Type Tray PCB Thickness - Recommended PC Tail Length Pitch - Mating Interface Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating Yes  None Night Number Alloy Figh Copper Alloy Fin None 1.1968/g Tin Tray Pcystal Polymer Tray Pcystal Polymer 1.968/g	Durability (mating cycles max)	25
Glow-Wire Capable Keying to Mating Part None Lock to Mating Part Material - Metal Material - Plating Mating Material - Plating Termination Material - Resin Liquid Crystal Polymer Net Weight Number of Rows 2 Orientation Vertical Packaging Type Tray PCB Thickness - Recommended PC Tail Length Pitch - Mating Interface Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating None Yes High Copper Alloy Liquid Crystal Polymer Liquid Crystal Polymer Tray Ptinterpolymer A.1968/g Number of Rows 2 Vertical Packaging Type Tray PCB Thickness - Recommended 1.57mm 3.18mm Yes Polarized to Mating Part Yes Polarized to PCB Yes Temperature Range - Operating	First Mate / Last Break	No
Keying to Mating Part  Lock to Mating Part  Yes  Material - Metal  Material - Plating Mating  Material - Plating Termination  Material - Resin  Liquid Crystal Polymer  Net Weight  Number of Rows  Orientation  Packaging Type  PCB Thickness - Recommended  PC Tail Length  Pitch - Mating Interface  Polarized to Mating Part  Polarized to PCB  Shrouded  Yes  Temperature Range - Operating  Material - Metal  High Copper Alloy  High Copper Alloy  Tin  Liquid Crystal Polymer  1.968/g  Number of Rows  2  Vertical  Packaging Type  Tray  PCB Thickness - Recommended  1.57mm  3.18mm  Pitch - Mating Interface  3.00mm  Polarized to Mating Part  Yes  Yes  Temperature Range - Operating	Flammability	94V-0
Lock to Mating Part  Material - Metal  Material - Plating Mating  Material - Plating Termination  Material - Resin  Material - Resin  Liquid Crystal Polymer  Net Weight  1.968/g  Number of Rows  2  Orientation  Packaging Type  Tray  PCB Thickness - Recommended  PC Tail Length  Pitch - Mating Interface  Polarized to Mating Part  Polarized to PCB  Shrouded  Yes  Temperature Range - Operating  Yin  High Copper Alloy  High Copper Alloy  Tin  High Copper Alloy  Tin  High Copper Alloy  High Copper Alloy  Tin  High Copper Alloy  To halloy  To halloy  Teny Standard  High Copper Alloy  To halloy  Teny Standard  Yes  Teny Standard  Teny Standar	Glow-Wire Capable	Yes
Material - Metal High Copper Alloy  Material - Plating Mating Tin  Material - Plating Termination Tin  Material - Resin Liquid Crystal Polymer  Net Weight 1.968/g  Number of Rows 2  Orientation Vertical  Packaging Type Tray  PCB Thickness - Recommended 1.57mm  PC Tail Length 3.18mm  Pitch - Mating Interface 3.00mm  Pitch - Termination Interface 3.00mm  Polarized to Mating Part Yes  Polarized to PCB Yes  Shrouded Yes  Temperature Range - Operating -40° to +125°C	Keying to Mating Part	None
Material - Plating Mating  Tin  Material - Plating Termination  Material - Resin  Net Weight  Number of Rows  Orientation  Packaging Type  Tray  PCB Thickness - Recommended  PC Tail Length  Pitch - Mating Interface  Polarized to Mating Part  Polarized to PCB  Shrouded  Tin  Liquid Crystal Polymer  1.968/g  Vertical  Parkaging Type  Tray  1.57mm  3.18mm  3.18mm  3.18mm  Yes  Polarized to Mating Part  Yes  Polarized to PCB  Yes  Temperature Range - Operating  Tin  Tin  Tin  Tin  Tin  Liquid Crystal Polymer  1.968/g  Vertical  3.90mm  Tray  PCF Tail Length  3.18mm  3.18mm  Pitch - Termination Interface  3.00mm  Yes  Polarized to PCB  Yes  Temperature Range - Operating	Lock to Mating Part	Yes
Material - Plating Termination  Material - Resin  Net Weight  Number of Rows  Orientation  Packaging Type  PCB Thickness - Recommended  PItch - Mating Interface  Pitch - Termination Interface  Polarized to PCB  Shrouded  Tin  Liquid Crystal Polymer  Liquid Crystal Polymer  1.968/g  Vertical  Vertical  Tray  PCTall Length  3.18mm  3.18mm  3.00mm  Yes  Yes  Polarized to Mating Part  Yes  Polarized to PCB  Yes  Shrouded  Yes  Temperature Range - Operating	Material - Metal	High Copper Alloy
Material - Resin Liquid Crystal Polymer  Net Weight 1.968/g  Number of Rows 2  Orientation Vertical  Packaging Type Tray  PCB Thickness - Recommended 1.57mm  PC Tail Length 3.18mm  Pitch - Mating Interface 3.00mm  Pitch - Termination Interface 3.00mm  Polarized to Mating Part Yes  Polarized to PCB Yes  Shrouded Yes  Temperature Range - Operating -40° to +125°C	Material - Plating Mating	Tin
Net Weight  1.968/g  Number of Rows  2  Orientation  Packaging Type  Tray  PCB Thickness - Recommended  PC Tail Length  Pitch - Mating Interface  Polarized to Mating Part  Polarized to PCB  Shrouded  Temperature Range - Operating  1.968/g  2  1.968/g  1.9	Material - Plating Termination	Tin
Number of Rows  Orientation  Packaging Type  Tray  PCB Thickness - Recommended  PC Tail Length  Pitch - Mating Interface  Pitch - Termination Interface  Polarized to Mating Part  Polarized to PCB  Shrouded  Tray  1.57mm  3.18mm  3.00mm  Yes  Yes  Yes  Yes  Temperature Range - Operating  -40° to +125°C	Material - Resin	Liquid Crystal Polymer
Orientation  Packaging Type  Tray  PCB Thickness - Recommended  PC Tail Length  Pitch - Mating Interface  Pitch - Termination Interface  Polarized to Mating Part  Polarized to PCB  Shrouded  Tray  1.57mm  3.18mm  3.00mm  7.00mm  Yes  Yes  Yes  Polarized to PCB  Yes  Shrouded  Yes  Temperature Range - Operating  Yerical  Tray  Tray  Yes	Net Weight	1.968/g
Packaging Type Tray  PCB Thickness - Recommended 1.57mm  PC Tail Length 3.18mm  Pitch - Mating Interface 3.00mm  Pitch - Termination Interface 40° to +125°C  Tray  Tray  Tray  Tray  Tray  Tray  Tray  Tray  1.57mm  3.18mm  3.00mm  3.00mm  Yes  Temperature Range - Operating  Tray	Number of Rows	2
PCB Thickness - Recommended  PC Tail Length  Pitch - Mating Interface  Pitch - Termination Interface  Polarized to Mating Part  Polarized to PCB  Shrouded  Temperature Range - Operating  1.57mm  3.18mm  3.00mm  Yes  Yes  Yes  Yes  Yes  -40° to +125°C	Orientation	Vertical
PC Tail Length 3.18mm  Pitch - Mating Interface 3.00mm  Pitch - Termination Interface 3.00mm  Polarized to Mating Part Yes  Polarized to PCB Yes  Shrouded Yes  Temperature Range - Operating -40° to +125°C	Packaging Type	Tray
Pitch - Mating Interface 3.00mm  Pitch - Termination Interface 3.00mm  Polarized to Mating Part Yes  Polarized to PCB Yes  Shrouded Yes  Temperature Range - Operating -40° to +125°C	PCB Thickness - Recommended	1.57mm
Pitch - Termination Interface 3.00mm  Polarized to Mating Part Yes  Polarized to PCB Yes  Shrouded Yes  Temperature Range - Operating -40° to +125°C	PC Tail Length	3.18mm
Polarized to Mating Part  Polarized to PCB  Shrouded  Yes  Yes  Yes  Yes  Yes  Yes  Yes	Pitch - Mating Interface	3.00mm
Polarized to PCB  Shrouded  Yes  Temperature Range - Operating  Yes  -40° to +125°C	Pitch - Termination Interface	3.00mm
Shrouded Yes  Temperature Range - Operating -40° to +125°C	Polarized to Mating Part	Yes
Temperature Range - Operating -40° to +125°C	Polarized to PCB	Yes
	Shrouded	Yes
Termination Interface Style Through Hole	Temperature Range - Operating	-40° to +125°C
Termination interface style	Termination Interface Style	Through Hole

# Mates With / Use With

Mates with Part(s)

Description	Part Number
Micro-Fit+ Dual Row Receptacle Housings	<u>206461</u>

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