

Part Number: 2157602008

Product Description: Micro-Fit+ Right-Angle Header, Through Hole, 3.00mm Pitch, Single Row, 8 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable,

Black

Series Number: 215760

Status: Active

Product Category: PCB Headers and Receptacles



Documents & Resources

Drawings

2157602008 sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

2064600001-AS-000.pdf

2064600000-PS-000.pdf

2064600001-TS-000.pdf

2157590005-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)6225-DC (07 Nov 2024) |
| 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 | 215760 |
| Description | Micro-Fit+ Right-Angle Header, Through Hole, 3.00mm Pitch, Single Row, 8 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black |
| Application | Power, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | Micro-Fit+ |
| UPC | 193264937158 |

Agency

| CSA | LR19980 |
|-----|---------|
| UL | E29179 |

Electrical

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

Physical

| Breakaway Circuits (Loaded) Circuits (maximum) Color - Resin Black Durability (mating cycles max) First Mate / Last Break Flammability Glow-Wire Capable Keying to Mating Part Lock to Mating Part Material - Plating Mating Material - Plating Termination Material - Resin Net Weight Norientation Packaging Type PCB Retention PC Tail Length Plating Mating Part Polarized to PCB Shrouded Termination Interface Termination Interface Style Through Hole | | |
|--|--------------------------------|------------------------|
| Circuits (maximum) Color - Resin Black Durability (mating cycles max) First Mate / Last Break Flammability Glow-Wire Capable Keying to Mating Part Lock to Mating Part Yes Material - Metal Material - Plating Mating Material - Plating Termination Material - Resin Net Weight Net Weight Orientation Packaging Type PCB Retention PC Tail Length Pitch - Mating Interface Polarized to PCB Shrouded Temperature Range - Operating 200 Black No Black Blav Black Blav Black Blav Blav Black Blav Bla | Breakaway | No |
| Color - Resin Black Durability (mating cycles max) 200 First Mate / Last Break No Flammability 94V-0 Glow-Wire Capable Yes Keying to Mating Part None Lock to Mating Part Yes Material - Metal High Copper Alloy Material - Plating Mating Gold Material - Plating Termination Matte Tin Material - Resin Liquid Crystal Polymer Net Weight 1.376/g Number of Rows 1 Orientation Right Angle Packaging Type Tray PCB Retention Yes PCB Thickness - Recommended 1.57mm Pitch - Mating Interface 3.00mm Pitch - Termination Interface 3.00mm Polarized to Mating Part Yes Shrouded Yes Temperature Range - Operating -40° to +125°C | Circuits (Loaded) | 8 |
| Durability (mating cycles max) First Mate / Last Break Ro Flammability Glow-Wire Capable Keying to Mating Part Lock to Mating Part Material - Metal Material - Plating Mating Material - Resin None Liquid Crystal Polymer Net Weight Number of Rows Orientation Packaging Type PCB Retention PCT ail Length Pitch - Mating Interface Polarized to PCB Shrouded Temperature Range - Operating P49 PVes PVes PVes None None None None None None High Copper Alloy Matte Tin Liquid Crystal Polymer Liquid Crystal Polymer Natte Tin Material - Resin Liquid Crystal Polymer Right Angle 1.376/g Tray PCB Thickness - Recommended 1.57mm PC Tail Length 3.17mm 9.381µm Polarized to PCB Yes Shrouded Yes Temperature Range - Operating -40° to +125°C | Circuits (maximum) | 8 |
| First Mate / Last Break Flammability Glow-Wire Capable Keying to Mating Part Lock to Mating Part Material - Metal Material - Plating Mating Material - Resin None Liquid Crystal Polymer Net Weight Number of Rows Orientation Packaging Type PCB Retention PC Tail Length Plating Interface Plating min - Mating Polarized to PCB Shrouded Temperature Range - Operating Yes None Natte Tin Liquid Crystal Polymer Liquid Crystal Polymer Natte Tin Liquid Crystal Polymer Attention Matte Tin Liquid Crystal Polymer Natte Tin Liquid Crystal Polymer Attention Matte Tin Liquid Crystal Polymer Tray Polymer 1.376/g Number of Rows 1 Tray Polymer 1.376/g Number of Rows 1 Tray Polymer 1.376/g Number of Rows 1 2.376/g Number of Rows 1 3.376/g Number of Rows 1 Angel Crystal Polymer Angel Crystal Polymer None Net Ves 3.00mm Polarized to Mating Part Yes Polarized to PCB Yes Shrouded Yes | Color - Resin | Black |
| Flammability Glow-Wire Capable Keying to Mating Part Lock to Mating Part Material - Metal Material - Plating Mating Material - Resin None Liquid Crystal Polymer Net Weight Number of Rows Orientation Packaging Type PCB Retention PC Tail Length Pitch - Mating Interface Plating min - Mating Polarized to PCB Shrouded Temperature Range - Operating None None Net Weight Pes Net Weight Number of Rows Native Mating Liquid Crystal Polymer Net Ves Native Mating Native Nati | Durability (mating cycles max) | 200 |
| Glow-Wire Capable Keying to Mating Part Lock to Mating Part Material - Metal Material - Plating Mating Material - Resin None Net Weight Norientation Packaging Type PCB Retention PC Tail Length Pitch - Termination Interface Polarized to PCB Shrouded Fassin Selow Fusion Matter Tin Liquid Crystal Polymer Liquid Crystal Polymer Liquid Crystal Polymer Ratte Tin Right Angle Tray PCB Right Angle Tray PCB Thickness - Recommended 1.57mm 3.17mm 3.17mm Pitch - Mating Interface 3.00mm Plating min - Mating Polarized to PCB Yes Shrouded Yes Temperature Range - Operating Yes -40° to +125°C | First Mate / Last Break | No |
| Keying to Mating Part Lock to Mating Part Yes Material - Metal Material - Plating Mating Material - Plating Termination Material - Resin Material - Resin Liquid Crystal Polymer Net Weight 1.376/g Number of Rows 1 Orientation Packaging Type PCB Retention PC B Retention PC Tail Length Pitch - Mating Interface Plating min - Mating Polarized to Mating Part Pes Shrouded Yes Temperature Range - Operating Pes High Copper Alloy Yes 1.376/g Matte Tin Liquid Crystal Polymer Hiquid Crystal Polymer Attention Matte Tin Liquid Crystal Polymer Angle Prosesses 1.376/g Tray Polarized Polymer Angle Tray Tray Polarized Salight Angle 1.57mm PC Tail Length 3.17mm Polarized Salight Angle 3.00mm Plating min - Mating 0.381µm Polarized to Mating Part Yes Polarized to PCB Yes Shrouded Yes | Flammability | 94V-0 |
| Lock to Mating Part Material - Metal Material - Plating Mating Material - Plating Termination Material - Resin Material - Resin Net Weight Number of Rows Orientation Packaging Type PCB Retention PC Tail Length Pitch - Mating Interface Plating min - Mating Polarized to Mating Part Pes Polarized to PCB Shrouded Tingh Copper Alloy Matte Tin Liquid Crystal Polymer I.376/g Matte Tin Matte Tin Matte Tin Matte Tin Itiquid Crystal Polymer Itiquid Crystal Polymer Alloy Matte Tin Matte Tin Matte Tin Matte Tin Matte Tin Itiquid Crystal Polymer Itiquid Crystal Polymer Itiquid Crystal Polymer 1.376/g Number of Rows 1 Right Angle Tray Yes 3.17mm PC Tail Length 3.17mm Pitch - Mating Interface 3.00mm Plating min - Mating 0.381µm Polarized to Mating Part Yes Polarized to PCB Yes Shrouded Yes Temperature Range - Operating -40° to +125°C | Glow-Wire Capable | Yes |
| Material - Metal High Copper Alloy Material - Plating Mating Gold Material - Plating Termination Matte Tin Material - Resin Liquid Crystal Polymer Net Weight 1.376/g Number of Rows 1 Orientation Right Angle Packaging Type Tray PCB Retention Yes PCB Thickness - Recommended 1.57mm PC Tail Length 3.17mm Pitch - Mating Interface 3.00mm Plating min - Mating 0.381µm Polarized to Mating Part Yes Shrouded Yes Temperature Range - Operating -40° to +125°C | Keying to Mating Part | None |
| Material - Plating Mating Material - Plating Termination Material - Resin Material - Resin Net Weight Number of Rows Orientation Packaging Type PCB Retention PC Tail Length Pitch - Mating Interface Plating min - Mating Polarized to PCB Shrouded Temperature Range - Operating Matte Tin Adatte Tin Liquid Crystal Polymer Adatte Tin Liquid Crystal Polymer Adatte Tin Liquid Crystal Polymer Adoe to 3.376/g 1.376/g Temperature Range - Operating | Lock to Mating Part | Yes |
| Material - Plating Termination Material - Resin Net Weight Number of Rows Orientation Packaging Type PCB Retention PC Tail Length Pitch - Mating Interface Plating min - Mating Polarized to PCB Shrouded Temperature Range - Operating Matte Tin Liquid Crystal Polymer A.376/g Number Plating Polymer Tray Pes 3.07mm 3.17mm 9.381 µm Polarized to Mating Part Yes Polarized to PCB Yes | Material - Metal | High Copper Alloy |
| Material - Resin Net Weight Number of Rows Orientation Packaging Type PCB Retention PC Tail Length Pitch - Mating Interface Plating min - Mating Polarized to PCB Shrouded Tingy Liquid Crystal Polymer 1.376/g 1 Right Angle Tray Yes Tray PCB Right Angle Tray Yes 1.57mm 3.17mm 3.17mm 3.00mm Pitch - Termination Interface 3.00mm Plating min - Mating Polarized to Mating Part Yes Polarized to PCB Yes Temperature Range - Operating Liquid Crystal Polymer 1.376/g 1 1 1 1 1 1 1 1 1 1 1 1 1 | Material - Plating Mating | Gold |
| Net Weight Number of Rows Orientation Right Angle Packaging Type Tray PCB Retention PCB Thickness - Recommended PC Tail Length Pitch - Mating Interface Plating min - Mating Polarized to Mating Part Polarized to PCB Shrouded T.376/g 1.376/g | Material - Plating Termination | Matte Tin |
| Number of Rows Orientation Right Angle Packaging Type Tray PCB Retention Yes PCB Thickness - Recommended PC Tail Length PItch - Mating Interface Plating min - Mating Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating Right Angle Right Angle Right Angle Right Angle 1.57mm 3.07mm 9.381mm 9.381mm Yes Yes Yes | Material - Resin | Liquid Crystal Polymer |
| Orientation Right Angle Packaging Type Tray PCB Retention Yes PCB Thickness - Recommended 1.57mm PC Tail Length 3.17mm Pitch - Mating Interface 3.00mm Pitch - Termination Interface 3.00mm Plating min - Mating 0.381µm Polarized to Mating Part Yes Polarized to PCB Yes Shrouded Yes Temperature Range - Operating -40° to +125°C | Net Weight | 1.376/g |
| Packaging Type PCB Retention PCB Retention PCB Thickness - Recommended PC Tail Length Pitch - Mating Interface Pitch - Termination Interface Plating min - Mating Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating Tray Yes 3.07 3.07 3.00mm 0.381µm Polarized to PCB Yes Temperature Range - Operating Tray Yes Tray Yes | Number of Rows | 1 |
| PCB Retention PCB Thickness - Recommended PC Tail Length Pitch - Mating Interface Pitch - Termination Interface Plating min - Mating Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating Yes 1.57mm 3.17mm 3.00mm 9.381μm 9.381μm Yes Yes Yes Yes -40° to +125°C | Orientation | Right Angle |
| PCB Thickness - Recommended PC Tail Length 3.17mm Pitch - Mating Interface 3.00mm Pitch - Termination Interface 3.00mm Plating min - Mating Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating 1.57mm 7.57mm 7.5 | Packaging Type | Tray |
| PC Tail Length Pitch - Mating Interface 3.00mm Pitch - Termination Interface Plating min - Mating Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating 3.17mm 3.00mm 0.381µm Yes Yes Yes Yes | PCB Retention | Yes |
| Pitch - Mating Interface Pitch - Termination Interface 3.00mm Plating min - Mating Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating 3.00mm 0.381µm Yes Yes Yes Yes -40° to +125°C | PCB Thickness - Recommended | 1.57mm |
| Pitch - Termination Interface Plating min - Mating Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating 3.00mm 0.381µm Yes Yes Yes -40° to +125°C | PC Tail Length | 3.17mm |
| Plating min - Mating 0.381µm Polarized to Mating Part Yes Polarized to PCB Yes Shrouded Yes Temperature Range - Operating -40° to +125°C | Pitch - Mating Interface | 3.00mm |
| Polarized to Mating Part Polarized to PCB Shrouded Temperature Range - Operating Yes -40° to +125°C | Pitch - Termination Interface | 3.00mm |
| Polarized to PCB Shrouded Yes Temperature Range - Operating Yes -40° to +125°C | Plating min - Mating | 0.381µm |
| 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 | Through Hole |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|-------------|-------------|
| | |

| Micro-Fit+ Single Row Receptacle | <u>215759</u> |
|----------------------------------|---------------|
| Housings | |

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