



Part Number : 2125282401

Product Description : Micro-Fit+ Right-Angle Header, Through Hole, 3.00mm Pitch, Dual Row, 24 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black

Series Number : 212528

Status : Active

Product Category : PCB Headers and Receptacles

## Documents & Resources

### Drawings

Drawing 2125282401\_sd.pdf  
Packaging Design Drawing 2125280000-PK-000.pdf

### 3D Models and Design Files

3D Model 2125282401\_stp.zip

### Specifications

Application Specification 2064600001-AS-000.pdf  
Product Specification 2064600000-PS-000.pdf  
Test Summary 2064600000-TS-000.pdf  
Test Summary 2064600001-TS-000.pdf

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863                                                             |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

---

### Part Details

#### General

|                |                                                                                                                                      |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                               |
| Category       | PCB Headers and Receptacles                                                                                                          |
| Series         | 212528                                                                                                                               |
| Description    | Micro-Fit+ Right-Angle Header, Through Hole, 3.00mm Pitch, Dual Row, 24 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black |
| Application    | Power, Wire-to-Board                                                                                                                 |
| Component Type | PCB Header                                                                                                                           |
| Product Family | Micro-Fit+ Connector System                                                                                                          |
| Product Name   | Micro-Fit+                                                                                                                           |
| UPC            | 193264256563                                                                                                                         |

#### Agency

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

#### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 12.0A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 24    |
| Circuits (maximum)             | 24    |
| 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                     | 3.484/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Tray                   |
| PC Tail Length                 | 3.18mm                 |
| PCB Thickness - Recommended    | 1.57mm                 |
| 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         |
| 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> |