



Part Number : [2191160161](#)

Product Description : Micro-Fit+ PCIe CEM5 Right-Angle Header, Through Hole, 3.00mm Pitch, Dual Row, 16 Circuits (12 Power, 4 Signal), Matte Tin (Sn) Plating, Black, Tray

Series Number : 219116

Status : Active

Product Category : PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 2191160161\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 2191160161\\_stp.zip](#)

### Specifications

[Application Specification 2191160001-AS-000.pdf](#)


[Product Specification 2191160001-PS-000.pdf](#)

[Test Summary 2191160001-TS-000.pdf](#)

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## 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         | Contains Lead monoxide per D(2023)8585-DC (23 Jan 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

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## Part Details

### General

|                |  |
|----------------|--|
| Status         | Active   |
| Category       | PCB Headers and Receptacles  |
| Series         | 219116   |
| Description    | Micro-Fit+ PCIe CEM5 Right-Angle Header, Through Hole, 3.00mm Pitch, Dual Row, 16 Circuits (12 Power, 4 Signal), Matte Tin (Sn) Plating, Black, Tray |
| Application    | Power, Signal, Wire-to-Board   |
| Component Type | PCB Header   |
| Product Family | Micro-Fit+ Connector System  |
| Product Name   | Micro-Fit+ PCIe  |
| UPC            | 196823270406   |

### Electrical

|                               |                             |
|-------------------------------|-----------------------------|
| Current - Maximum per Contact | 9.2A (Power), 1.0A (Signal) |
| Voltage - Maximum             | 600V AC (RMS)/DC            |

### Physical

|                                |                   |
|--------------------------------|-------------------|
| Breakaway                      | No                |
| Circuits (Loaded)              | 16                |
| Circuits (maximum)             | 16                |
| Color - Resin                  | Black             |
| Durability (mating cycles max) | 30                |
| First Mate / Last Break        | Yes               |
| Glow-Wire Capable              | Yes               |
| Keying to Mating Part          | None              |
| Lock to Mating Part            | Yes               |
| Material - Metal               | High Copper Alloy |

|                                |                        |
|--------------------------------|------------------------|
| Material - Plating Mating      | Matte Tin              |
| Material - Plating Termination | Matte Tin              |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 1.897/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Tray                   |
| PC Tail Length                 | 3.18mm                 |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 1.57mm                 |
| Pitch - Mating Interface       | 3.00mm                 |
| Pitch - Termination Interface  | 3.00mm                 |
| Plating min - Mating           | 1.524µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| (p)ower-(s)ignal Configuration | 12p - 4s               |
| Shrouded                       | Yes                    |
| Temperature Range - Operating  | -40° to +105°C         |
| Termination Interface Style    | Through Hole           |

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## Mates With / Use With

### Mates with Part(s)

| Description                                       | Part Number   |
|---|---------------|
| Micro-Fit+ PCIe CEM5 Dual Row Receptacle Housings | <u>219114</u> |