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Part Number:

5041871870

Status:

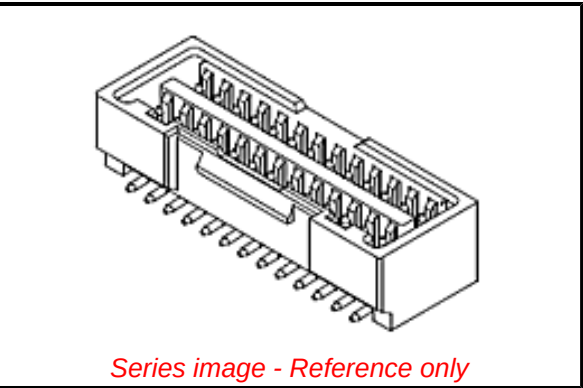
Active

Overview:

Micro-Lock™ Connectors

Description:

Micro-Lock 1.25mm Pitch Dual-Row Vertical Header, Beige, 18 Circuits, 5041871870



Series image - Reference only

- Documents:
- 3D Model

Application Specification AS-504186-002-001 (PDF)
- Drawing (PDF)

Packaging Specification SPK-504187-001-001 (PDF)
- Product Specification PS-504186-001-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Application Specification AS-504186-001-001 (PDF)

|                |                        |
|----------------|------------------------|
| General        |                        |
| Product Family | PCB Headers            |
| Series         | 504187                 |
| Application    | Wire-to-Board          |
| Overview       | Micro-Lock™ Connectors |
| Product Name   | Micro-Lock             |
| UPC            | 887191213958           |

|                                |                       |
|--------------------------------|-----------------------|
| Physical                       |                       |
| Breakaway                      | No                    |
| Circuits (Loaded)              | 18                    |
| Circuits (maximum)             | 18                    |
| Color - Resin                  | Beige                 |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Glow-Wire Capable              | No                    |
| Guide to Mating Part           | No                    |
| Lock to Mating Part            | Yes                   |
| Material - Metal               | Brass                 |
| Material - Plating Mating      | Tin                   |
| Material - Plating Termination | Nickel                |
| Net Weight                     | 462.015/mg            |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| PC Tail Length                 | 3.00mm                |
| PCB Locator                    | No                    |
| PCB Retention                  | None                  |
| PCB Thickness - Recommended    | 1.20mm, 1.60mm        |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 1.25mm                |
| Pitch - Termination Interface  | 1.25mm                |
| Temperature Range - Operating  | -25°C to +85°C        |
| Termination Interface: Style   | Surface Mount         |

|                               |      |
|-------------------------------|------|
| Electrical                    |      |
| Current - Maximum per Contact | 1.5A |
| Voltage - Maximum             | 50V  |

Material Info

|                             |                                      |
|-----------------------------|--------------------------------------|
| Reference - Drawing Numbers |                                      |
| Application Specification   | AS-504186-001-001, AS-504186-002-001 |
| Packaging Specification     | SPK-504187-001-001                   |
| Product Specification       | PS-504186-001-001                    |
| Sales Drawing               | SD-504187-001, SD-504187-002         |

EU ELV  
Not Relevant

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| EU RoHS<br>Compliant                                                | China RoHS |
| REACH SVHC<br>Not Contained Per<br>-ED/01/2018 (15<br>January 2018) |            |
| Halogen-Free<br>Status<br>Not Low-Halogen                           |            |

Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

Search Parts in this Series  
504187 Series

Mates With  
504186 Micro-Lock Wire-to-Board Crimp Housing

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