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Part Number:

1053102208

Status:

Active

Overview:

Nano-Fit Power Connectors

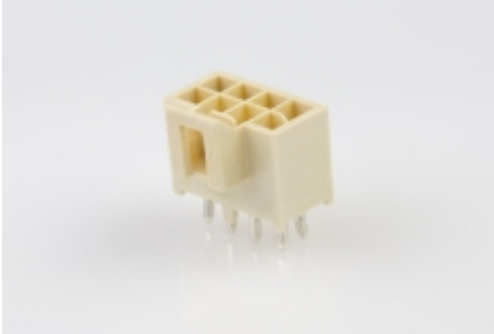
Description:

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray

|                                                  |                                                   |
|--------------------------------------------------|---------------------------------------------------|
| Documents:                                       |                                                   |
| 3D Model                                         | Product Specification PS-105300-100-001 (PDF)     |
| 3D Model (PDF)                                   | Application Specification AS-105300-100-001 (PDF) |
| Drawing (PDF)                                    | Packaging Specification PK-105309-100-000 (PDF)   |
| Product Specification 1053001000-PS-CH-000 (PDF) | Test Summary 1053000000-TS-000 (PDF)              |
| Product Specification 1053001000-PS-ES-000 (PDF) | Datasheet (PDF)                                   |
| Product Specification 1053001000-PS-JP-000 (PDF) | Symbol Footprint Data SYM-105310-XX08-001 (PDF)   |
| Product Specification 1053001000-PS-SK-000 (PDF) | RoHS Certificate of Compliance (PDF)              |

|                       |                             |
|-----------------------|-----------------------------|
| Agency Certification  |                             |
| CSA                   | LR19980                     |
| UL                    | E29179                      |
| General               |                             |
| Product Family        | PCB Headers                 |
| Series                | 105310                      |
| Application           | Power, Wire-to-Board        |
| Component Type        | PCB Header                  |
| Overview              | Nano-Fit Power Connectors   |
| Packaging Alternative | 1053104708                  |
| Product Name          | Nano-Fit                    |
| Taxonomy              | PCB Headers and Receptacles |
| UPC                   | 887191935362                |

|                                |                        |
|--------------------------------|------------------------|
| Physical                       |                        |
| Breakaway                      | No                     |
| Circuits (Loaded)              | 8                      |
| Circuits (maximum)             | 8                      |
| Color - Resin                  | Natural                |
| Durability (mating cycles max) | 50                     |
| Flammability                   | 94V-0                  |
| Glow-Wire Capable              | Yes                    |
| Guide to Mating Part           | No                     |
| Keying to Mating Part          | Yes                    |
| Lock to Mating Part            | Yes                    |
| Material - Metal               | Brass                  |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 0.750/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PC Tail Length                 | 3.20mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 1.60mm, 2.40mm         |
| Packaging Type                 | Tray                   |
| Pitch - Mating Interface       | 2.50mm                 |
| Pitch - Termination Interface  | 2.50mm                 |
| Plating min - Mating           | 0.381µm                |
| Plating min - Termination      | 1.524µm                |



Series image - Reference only

|                                                   |               |
|---------------------------------------------------|---------------|
| EU ELV                                            |               |
| Not Relevant                                      |               |
| EU RoHS                                           | China RoHS    |
| Compliant                                         |               |
| REACH SVHC                                        |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022) |               |
| Halogen-Free                                      |               |
| Status                                            |               |
| Low-Halogen                                       |               |
| For more information, please visit                | Contact US    |
| China ROHS                                        | Green Image   |
| ELV                                               | Not Relevant  |
| RoHS Phthalates                                   | Not Contained |

Search Parts in this Series  
105310 Series

Mates With  
Nano-Fit Receptacle Housing 1053082208

|                                    |                                                                                                                 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Polarized to Mating Part           | Yes                                                                                                             |
| Polarized to PCB                   | Yes                                                                                                             |
| Shrouded                           | Yes                                                                                                             |
| Stackable                          | No                                                                                                              |
| Surface Mount Compatible (SMC)     | No                                                                                                              |
| Temperature Range - Operating      | -40° to +115°C                                                                                                  |
| Termination Interface: Style       | Through Hole                                                                                                    |
| <b>Electrical</b>                  |                                                                                                                 |
| Current - Maximum per Contact      | 7.5A                                                                                                            |
| Voltage - Maximum                  | 250V AC (RMS)/DC                                                                                                |
| <b>Material Info</b>               |                                                                                                                 |
| <b>Reference - Drawing Numbers</b> |                                                                                                                 |
| Application Specification          | AS-105300-100-001                                                                                               |
| Packaging Specification            | PK-105309-100-000                                                                                               |
| Product Specification              | 1053001000-PS-CH-000, 1053001000-PS-ES-000,<br>1053001000-PS-JP-000, 1053001000-PS-SK-000,<br>PS-105300-100-001 |
| Sales Drawing                      | SD-105310-100-000                                                                                               |
| Symbol/Footprint Data              | SYM-105310-XX08-001                                                                                             |
| Test Summary                       | 1053000000-TS-000                                                                                               |

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