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Part Number:

1053121216

Status:

Active

Overview:

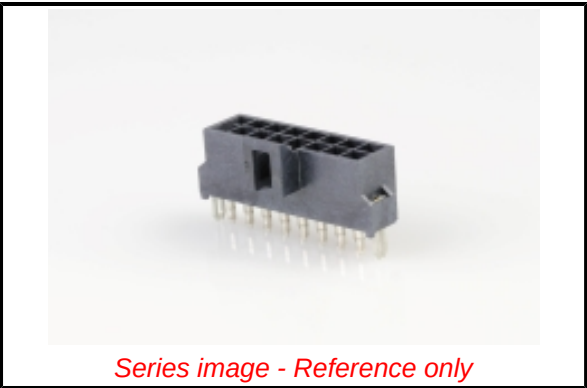
Nano-Fit Power Connectors

Description:

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 16 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray

|                                                                  |                                                                   |
|------------------------------------------------------------------|-------------------------------------------------------------------|
| Documents:                                                       |                                                                   |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Product Specification PS-105300-100-001 (PDF)</a>     |
| <a href="#">3D Model</a>                                         | <a href="#">Application Specification AS-105300-100-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-105309-100-000 (PDF)</a>   |
| <a href="#">Product Specification 1053001000-PS-CH-000 (PDF)</a> | <a href="#">Test Summary 1053000000-TS-000 (PDF)</a>              |
| <a href="#">Product Specification 1053001000-PS-ES-000 (PDF)</a> | <a href="#">Datasheet (PDF)</a>                                   |
| <a href="#">Product Specification 1053001000-PS-JP-000 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-105312-XX16-001 (PDF)</a>   |
| <a href="#">Product Specification 1053001000-PS-SK-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

|                                |                             |
|--------------------------------|-----------------------------|
| Agency Certification           |                             |
| CSA                            | LR19980                     |
| UL                             | E29179                      |
| General                        |                             |
| Product Family                 | PCB Headers                 |
| Series                         | 105312                      |
| Application                    | Power, Wire-to-Board        |
| Overview                       | Nano-Fit Power Connectors   |
| Packaging Alternative          | 1053123716                  |
| Product Name                   | Nano-Fit                    |
| Taxonomy                       | PCB Headers and Receptacles |
| UPC                            | 887191930916                |
| Physical                       |                             |
| Breakaway                      | No                          |
| Circuits (Loaded)              | 16                          |
| Circuits (maximum)             | 16                          |
| Color - Resin                  | Black                       |
| 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                     | 1.520/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                     |
| Polarized to Mating Part       | Yes                         |



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 <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

105312 Series

Mates With

Nano-Fit Receptacle Housing 1053081216

|                                    |                                                                                                                 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 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      | 8.0A                                                                                                            |
| 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-105312-100-000                                                                                               |
| Symbol/Footprint Data              | SYM-105312-XX16-001                                                                                             |
| Test Summary                       | 1053000000-TS-000                                                                                               |

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