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Part Number: [1054051216](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 16 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

Documents:

| | |
|--|---|
| Drawing (PDF) | Application Specification AS-105405-001-001 (PDF) |
| 3D Model | Packaging Specification PK-105405-004-000 (PDF) |
| 3D Model (PDF) | Test Summary 1054050000-TS-000 (PDF) |
| Product Specification 1054051000-PS-CH-000 (PDF) | Datasheet (PDF) |
| Product Specification 1054051000-PS-ES-000 (PDF) | Symbol Footprint Data SYM-105405-XX16 (PDF) |
| Product Specification 1054051000-PS-SK-000 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-105405-001-001 (PDF) | |

General

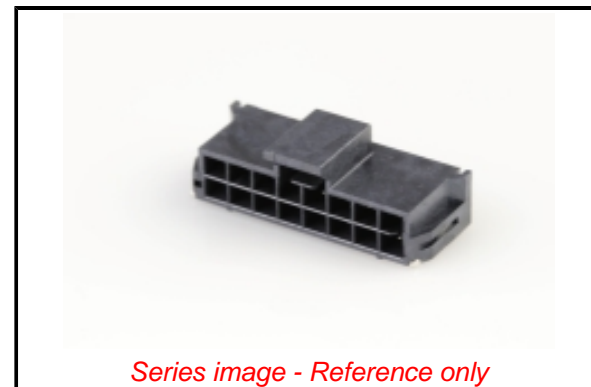
| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 105405 |
| Application | Power, Wire-to-Board |
| Overview | Nano-Fit Power Connectors |
| Product Name | Nano-Fit |
| UPC | 889056259828 |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Glow-Wire Capable | Yes |
| 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 | 1.960/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface | 2.50mm |
| Pitch - Termination Interface | 2.50mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 0.762µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Yes |
| Temperature Range - Operating | -40° to +115°C |
| Termination Interface: Style | Surface Mount |

Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 7.0A |
| Voltage - Maximum | 250V AC (RMS)/DC |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[105405 Series](#)

Mates With

Nano-Fit Receptacle Housing [1053081216](#)

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|--|
| Application Specification | AS-105405-001-001 |
| Packaging Specification | PK-105405-004-000 |
| Product Specification | 1054051000-PS-CH-000, 1054051000-PS-ES-000, 1054051000-PS-SK-000, PS-105405-001-001 |
| Sales Drawing | SD-105405-001-000 |
| Symbol/Footprint Data | SYM-105405-XX16 |
| Test Summary | 1054050000-TS-000 |

This document was generated on 09/23/2020

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