

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1053082216](#)
Status: **Active**
Overview:
Description: Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 16 Circuits, Natural, Glow-Wire Capable

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | Crimp Housings |
| Series | 105308 |
| Application | Power, Wire-to-Board |
| Comments | Operating temperature is -40#C to +105#C for tin and -40#C to +115#C for gold |
| Overview | nanofit_power_connectors |
| Product Name | Nano-Fit |
| UPC | 889056023917 |

Physical

| | |
|-------------------------------|--------------------------------|
| Circuits (maximum) | 16 |
| Color - Resin | Natural |
| Flammability | 94V-0 |
| Gender | Receptacle |
| Glow-Wire Capable | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Net Weight | 1.340/g |
| Number of Rows | 2 |
| Packaging Type | Bag |
| Panel Mount | No |
| Pitch - Mating Interface | 2.50mm |
| Pitch - Termination Interface | 2.50mm |
| Polarized to Mating Part | Yes |
| Temperature Range - Operating | -40° to +105°C, -40° to +115°C |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 6.5A |
|-------------------------------|------|

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|---|
| Application Specification | AS-105300-100-001 |
| Packaging Specification | PK-105308-100-000 |
| Product Specification | 1053001000-PS-CH-000, 1053001000-PS-ES-000, 1053001000-PS-JP-000, 1053001000-PS-SK-000, PS-105300-100-001 |
| Sales Drawing | SD-105308-100-000 |
| Test Summary | 1053000000-TS-000, 1053001000-TS-000 |

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

[105308](#) Series

Mates With

Nano-Fit Vertical Headers [1053102116](#) , [1053102216](#) , [1053102316](#) , [1053122116](#) , [1053122216](#) , [1053122316](#)
 Nano-Fit Right-Angle Through Hole Headers [1053142116](#) , [1053142216](#) , [1053142316](#)
 Nano-Fit Right-Angle SMT Headers [1054052116](#) , [1054052216](#) , [1054052316](#)
 Nano-Fit Plug Housings [2014442116](#) , [2014442216](#)

Use With

Nano-Fit Crimp Terminal [105300](#)
 Nano-Fit Pre-Crimped Leads (Gold)
 [797582129](#) , [797582130](#)
 Nano-Fit Pre-Crimped Leads (Tin)
 [797582139](#) , [797582140](#)
 Nano-Fit TPA Retainer [105325](#)