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Part Number: **0451301003**
Status: **Active**
Overview: Nano-Fit Power Connectors
Description: Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Dual Row, 300.00mm Length, 10 Circuits, Black

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)
[3D Model \(PDF\)](#)

General

Product Family Cable Assemblies
Series [45130](#)
Application Power, Wire-to-Board
Assembly Configuration Dual Ended Connectors
Connector to Connector Nano-Fit-to-Nano-Fit
Overmolded No
Overview [Nano-Fit Power Connectors](#)
Product Name Nano-Fit
Type Discrete Wire Assembly
UPC 191128141994

Physical

Cable Length 300.00mm
Circuits (Loaded) 10
Color - Resin Black
Gender Female-Female
Lock to Mating Part Yes
Material - Metal High Conductivity Copper
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Nylon
Net Weight 24.689g
Number of Rows 2
Packaging Type Bag
Pitch - Mating Interface 2.50mm
Plating min - Mating 0.381µm
Plating min - Termination 2.540µm
Single Ended No
Termination Interface: Style Crimp or Compression
Wire Insulation Diameter 1.46mm
Wire Size AWG 20
Wire/Cable Type UL 1061

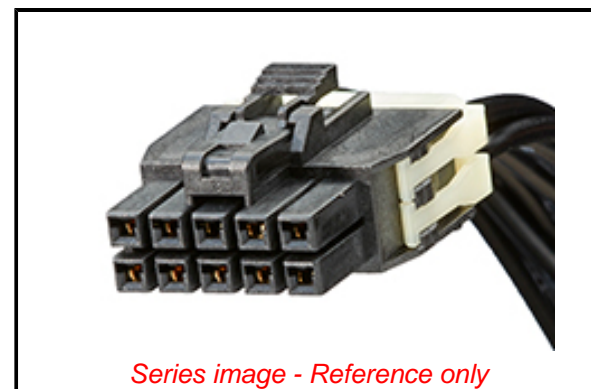
Electrical

Current - Maximum per Contact 5.2A
Voltage - Maximum 250V AC (RMS)

Material Info

Reference - Drawing Numbers

Sales Drawing 2012341661-000



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

Not 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

[45130 Series](#)

Mates With

Nano-Fit Headers [105310](#) , [105312](#) , [105314](#)