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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](#) [Datasheet \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[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	24.689/g
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

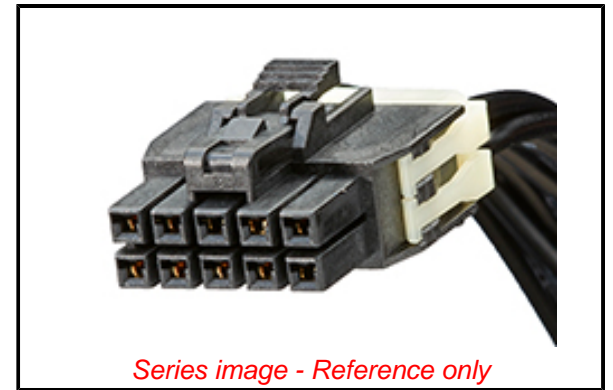
Electrical

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

Material Info

Reference - Drawing Numbers

Sales Drawing	2012341661-000
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

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 Vertical Through Hole Headers
[1053101210](#) , [1053101310](#) , [1053101410](#) ,
[1053121210](#) , [1053121310](#) , [1053121410](#) .
 Nano-Fit Right-Angle Through Hole Headers
[1053141210](#) , [1053141310](#) , [1053141410](#) .
 Nano-Fit Vertical SMT Headers [1054291210](#)
 , [1054291310](#) , [1054291410](#) . Nano-Fit
 Right-Angle SMT Headers [1054051210](#)
 , [1054051310](#) . Nano-Fit Plug Housing
[2014441110](#) , [2014441210](#)

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