



Part Number : [2018421040](#)

Series Number : [201842](#)

Product Category : [PCB Headers and Receptacles](#)

Product Description : [MultiCat High-Power Vertical Header, 4 Circuits, Key A, Black](#)

Status : [Active](#)

Engineering Number : [2018421040-FCT](#)

Documents & Resources

Drawings

[Drawing 2018421040_sd.pdf](#)

[Packaging Design Drawing 2018420000-PK-000.pdf](#)

3D Models and Design Files

[3D Model 2018421040_stp.zip](#)

Specifications


[Application Specification 2018400000-AS-000.pdf](#)

[Product Specification 2018400000-PS-000.pdf](#)

[Test Summary 2018400000-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D

- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	201842
Description	MultiCat High-Power Vertical Header, 4 Circuits, Key A, Black
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	MultiCat Power Connectors with Precision-Machined Contacts
Product Name	MultiCat
UPC	889056747677

Agency

UL	E29179
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Electrical

Current - Maximum per Contact	40.0A
Voltage - Maximum	1000V AC/DC

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No

Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	PEI
Net Weight	10.947/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Thickness - Recommended	2.50mm
Pitch - Mating Interface	7.40mm
Plating min - Mating	0.102µm
Plating min - Termination	5.080µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Temperature Range - Operating	-40° to +150°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
MultiCat-to-MultiCat High-Power Off-the-Shelf (OTS) Cable Assembly, Female, Single Row, 300.00mm Length, 8 AWG, 4 Circuits, Key A, Black	<u>451410401</u>
MultiCat-to-MultiCat High-Power Off-the-Shelf (OTS) Cable Assembly, Female, Single Row, 1.0m Length, 8 AWG, 4 Circuits, Key A, Black	<u>451410410</u>
MultiCat High-Power Inline Receptacle Housings	<u>201841</u>