



Part Number : [2018421040](#)
Product Description : MultiCat High-Power Vertical Header, 4 Circuits, Key A, Black
Series Number : 201842
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : 2018421040-FCT



Documents and Resources

Drawings

- [2018421040_sd.pdf](#)
- [2018420000-PK-000.pdf](#)

3D Models and Design Files

- [STEP AP242](#)
- [SOLIDWORKS](#)
- [Creo](#)
- [Symbol and Footprint \(Multi-Format\)](#)

Specifications

- [2018400000-AS-000.pdf](#)
- [2018400000-PS-000.pdf](#)
- [2018400000-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 33; 34; 3; 44
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2025)7771-DC (04 Feb 2026) SCIP:578a1d18-d36d-4fd6-83a2-b95b4fbdb7ef

EU RoHS	Compliant with Exemption 6(c) per EU 2015/863
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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	201842
Description	MultiCat High-Power Vertical Header, 4 Circuits, Key A, Black
Application	Wire-to-Board
Component Type	PCB Header
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	Polyetherimide (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	Shrouded
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	<u>451410401</u>

Off-the-Shelf (OTS) Cable Assembly, Female, Single Row, 300.00mm Length, 8 AWG, 4 Circuits, Key A, Black	
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>