

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2018431040](#)  
**Status:** **Active**  
**Overview:** MultiCat Power Connectors with Precision-Machined Contacts  
**Description:** MultiCat High-Power Right-Angle Header, 4 Circuits, Key A, Black

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model (PDF)</a>                                    | <a href="#">Packaging Specification 2018420000-PK-000 (PDF)</a> |
| <a href="#">3D Model</a>  | <a href="#">Test Summary 2018400000-TS-000 (PDF)</a>            |
| <a href="#">Drawing (PDF)</a>                                     | <a href="#">Datasheet (PDF)</a>                                 |
| <a href="#">Product Specification 2018400000-PS-000 (PDF)</a>     | <a href="#">Symbol Footprint Data SYM-201843-1040-001 (PDF)</a> |
| <a href="#">Application Specification 2018400000-AS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |



**Agency Certification**

UL E29179

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">201843</a>   |
| Application    | Power, Wire-to-Board   |
| Overview       | <a href="#">MultiCat Power Connectors with Precision-Machined Contacts</a> |
| Product Name   | MultiCat   |
| UPC            | 889056747646   |

**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                     | 14.631/g       |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| PCB Thickness - Recommended    | 2.50mm         |
| Packaging Type                 | Tray           |
| 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   |

**Electrical**

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

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per -  
D(2021)4569-DC (8  
July 2021)

Lead

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

50 Image

Not Relevant

Not Contained

**Search Parts in this Series**

[201843 Series](#)

**Mates With**

MultiCat High-Power Inline Receptacle Housing [201841](#) . MultiCat Cable Assembly [451410401](#) , [451410410](#)

**Material Info**

Engineering Number

2018431040-FCT

**Reference - Drawing Numbers**

Application Specification

2018400000-AS-000

Packaging Specification

2018420000-PK-000

Product Specification

2018400000-PS-000

Sales Drawing

2018430000-SD-000

Symbol/Footprint Data

SYM-201843-1040-001

Test Summary

2018400000-TS-000

This document was generated on 09/22/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Heavy Duty Power Connectors](#) category:*

*Click to view products by [Molex](#) manufacturer:*

Other Similar products are found below :

[647757-1](#) [6643411-1](#) [6646058-2](#) [6646137-1](#) [6646138-1](#) [6646479-1](#) [6646608-1](#) [6646786-1](#) [6646940-1](#) [6651091-1](#) [6651525-1](#) [6651529-1](#)  
[6651788-1](#) [696475-1](#) [702-32-01109](#) [703-25-02205](#) [73000005059](#) [73000005642](#) [765-15-0080A](#) [765-16-0080B](#) [765-18-0080D](#) [829992-1](#)  
[902-77-02113](#) [PS00/A0620/6300](#) [129-1J](#) [AN0024023](#) [E6374G1](#) [e6389g2](#) [157-43GW8](#) [MS3117-14AC](#) [1643543-1](#) [1650540-1](#) [1651811-2](#)  
[1766260-1](#) [1766282-1](#) [1766966-1](#) [1791340000](#) [NLDFT-3-BL-L-S120-M40A](#) [NLDFT-N-W-L-C240-M40B](#) [NLS-2-R-C240-M40B](#) [NLS-N-](#)  
[W-C240-M40B](#) [NPS-3-BL-T6](#) [1986615-1](#) [2-1589900-8](#) [2199314-1](#) [KA8102](#) [9300480317](#) [SBS50BRN#6](#) [29131](#) [296-0040-01100](#)