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**Part Number:** [1600130041](#)

**Status:** **Active**

**Overview:** [stAK50h Connector System](#)

**Description:** stAK50h 2 Bay Infotainment Hybrid Header, 56 Circuits, Bay A 28 Circuit Header, Key 4, Gray; Bay B 28 Circuit Header, Key 1, Gray; 2.10mm PC Tail Length, Tube

**Documents:**

[Drawing \(PDF\)](#)

[Product Specification PS-160013-001-001 \(PDF\)](#)

[Packaging Specification PK-31302-235 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Literature \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">160013</a>
Application	Power, Signal, Wire-to-Board
Overview	<a href="#">stAK50h Connector System</a>
Product Literature Order No	987651-5191
Product Name	stAK50h
UPC	889056187695

**Physical**

Breakaway	No
Circuits (Loaded)	56
Circuits (maximum)	56
Color - Resin	Gray
Durability (mating cycles max)	10
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Tin over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	SPS
Net Weight	12.827/g
Number of Rows	5
Orientation	Right Angle
PC Tail Length	2.10mm
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tube
Pitch - Mating Interface	2.00mm, 4.00mm
Pitch - Termination Interface	2.00mm, 4.00mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact	Contact Molex
Voltage - Maximum	500V DC

**Solder Process Data**



*Series image - Reference only*

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/61/2018 (27 June 2018)

**Halogen-Free**

**Status**

**Not Relevant**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Not Relevant
ELV	Compliant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[160013 Series](#)

**Mates With**

[stAK50h Receptacle Assembly 160014](#)

Duration at Max. Process Temperature (seconds)	040
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-31302-235
Product Specification	PS-160013-001-001
Sales Drawing	SD-160013-0001-001

This document was generated on 08/27/2018

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