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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	160013
Application	Power, Signal, Wire-to-Board
Overview	stAK50h Connector System
Product Literature Order No	987651-5191
Product Name	stAK50h
UPC	889056187695

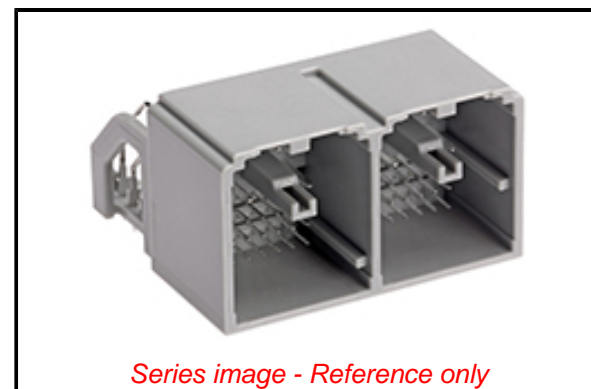
Physical

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
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

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