



Part Number : [2005052003](#)

Product Description : stAK50h 2 Bay Vertical Hybrid Header, 53 Circuits, Bay 1: 28 Circuits/Key 1/Dark Gray; Bay 2: 25 Circuits/Key 1/Green; Tube

Series Number : 200505

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[2005052003_sd.pdf](#)

[2005058100-000.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[2005060000-AS-000.pdf](#)

[2005060000-AS-CH-000.pdf](#)

[1600140001-000.pdf](#)

[2005060001-PS-000.pdf](#)


[2005060001-PS-CH-000.pdf](#)

[2005000250-TS-000.pdf](#)

[2005000280-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 33; 44; 34
China RoHS	 per SJ/T 11365-2006

EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)6375-DC (05 Nov 2025)
EU RoHS	Compliant per EU 2015/863

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	200505
Description	stAK50h 2 Bay Vertical Hybrid Header, 53 Circuits, Bay 1: 28 Circuits/Key 1/Dark Gray; Bay 2: 25 Circuits/Key 1/Green; Tube
Application	Automotive, Power, Signal, Wire-to-Board
Component Type	PCB Header
Product Name	stAK50h
UPC	193264566051

Electrical

Current - Maximum per Contact	12.0A, 30.0A, 5.0A
Voltage - Maximum	14V DC

Physical

Breakaway	No
Circuits (Loaded)	53
Circuits (maximum)	53
Color - Resin	Gray (Dark), Green
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
Material - Plating Termination	Tin
Material - Resin	SPS
Net Weight	14.050/g
Number of Rows	5
Orientation	Vertical
Packaging Type	Tube
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.00mm, 7.20mm, 4.00mm
Pitch - Termination Interface	2.00mm, 4.00mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	Yes
Temperature Range - Operating	-40° to +105°C LV-214, -40° to +85°C GMW3191 June2012
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
stAK50h Hybrid Receptacle, 28 Circuits, Key 1, Dark Gray, Bag	<u>1600140011</u>
stAK50h Hybrid Receptacle, 25 Circuits, Key 1, Rib Option A, Light Green, Bag	<u>1600270011</u>

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