

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [2005020251](#)
Status: **Active**
Overview: [stAK50h Connection System](#)
Description: [stAK50h Right-Angle Hybrid Header, 25 Circuits, Key 1, Green, Tube](#)

Documents:

3D Model	Product Specification 2005060001-PS-000 (PDF)
3D Model (PDF)	Application Specification 2005060000-AS-000 (PDF)
Drawing (PDF)	Datasheet (PDF)
Product Specification 1600140001-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 1600140002-PS-000 (PDF)	

General

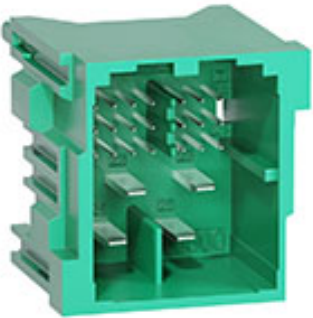
Product Family	PCB Headers
Series	200502
Application	Automotive, Power, Signal, Wire-to-Board
Overview	stAK50h Connection System
Product Name	stAK50h
UPC	889056679657

Physical

Breakaway	No
Circuits (Loaded)	25
Circuits (maximum)	25
Color - Resin	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	10.531/g
Number of Rows	5
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Tube
Pitch - Mating Interface	2.00mm, 3.20mm, 7.20mm
Pitch - Termination Interface	2.00mm, 3.20mm, 4.00mm, 5.20mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C LV-214, -40° to +85°C GMW3191
Termination Interface: Style	June2012 Through Hole

Electrical

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



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

[200502](#) Series

Mates With

stAK50h Hybrid Receptacle [1600270011](#)

Material Info

Reference - Drawing Numbers

Application Specification	2005060000-AS-000
Product Specification	1600140001-000, 1600140002-PS-000, 2005060001-PS-000
Sales Drawing	2005021250SD-000

This document was generated on 09/14/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[200502-0251](#)