Part Number : 2005020271
Product Description : stAK50h Right-Angle Hybrid Header, 27 Circuits, Key 1, Black, Tube
Series Number : 200502
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

2005020271_sd.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

2005060001-PS-000.pdf

2005060001-PS-CH-000.pdf

2005000280-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	Not Relevant
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

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- 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	200502
Description	stAK50h Right-Angle Hybrid Header, 27 Circuits, Key 1, Black, Tube
Application	Automotive, Wire-to-Board
Component Type	PCB Header
Product Name	stAK50h
UPC	889056679695

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	27
Circuits (maximum)	27
Color - Resin	Black
Durability (mating cycles max)	10

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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	10.400/g
Number of Rows	5
Orientation	Right Angle
Packaging Type	Tube
PCB Locator	Yes
PCB Retention	No
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.00mm, 4.00mm
Pitch - Termination Interface	2.00mm, 4.00mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Sealed	Unsealed
Shrouded	Shrouded
Stackable	Yes
Temperature Range - Operating	-40° to +105°C LV-214, -40° to +85°C GMW3191 June2012
Termination Interface Style	Through Hole
Terminal Size	0.5, 1.2

Mates With / Use With

Mates with Part(s)

Description	Part Number
stAK50h Hybrid Receptacle, 27 Circuits, Key 1, Black, Bag	1600290011

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