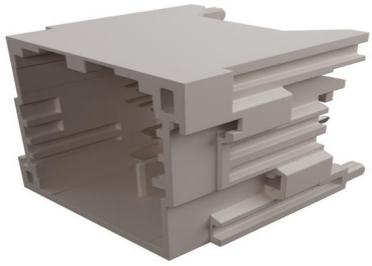
**Part Number :** 2005010252
**Product Description :** stAK50h Vertical Hybrid Header, 25 Circuits, Key 2, Gray, Tube
**Series Number :** 200501
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

2005010252_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

2005060001-PS-000.pdf

2005060001-PS-CH-000.pdf

2005000250-TS-000.pdf

2005010250-TS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Compliant per 2000/53/EC |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |

| | |
|---|---|
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 200501 |
| Description | stAK50h Vertical Hybrid Header, 25 Circuits, Key 2, Gray, Tube |
| Application | Automotive, Power, Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | stAK50h |
| UPC | 889056679466 |

### Electrical

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 25 |
| Circuits (maximum) | 25 |
| 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 |
| Material - Plating Termination | Tin |
| Material - Resin | SPS |
| Net Weight | 6.600/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 |
| 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, 25 Circuits, Key 2, Rib Option A, Stone Gray, Bag | 1600270012 |