**Part Number :** 2005063007
**Product Description :** stAK50h 3 Bay Right-Angle Hybrid Header, 96 Circuits, Bay 1: 32 Circuits/Key 1/ Black; Bay 2: 32 Circuits/Key 2/Blue; Bay 3: 32 Circuits/ Key 3/Dark Gray; Tube
**Series Number :** 200506
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

2005063007_sd.pdf

2005028100-000.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

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 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- |

Downloaded from Arrow.com.

| | |
|---|---|
| | DC (04 Feb 2026) |
| 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 | 200506 |
| Description | stAK50h 3 Bay Right-Angle Hybrid Header, 96 Circuits, Bay 1: 32 Circuits/Key 1/Black; Bay 2: 32 Circuits/Key 2/Blue; Bay 3: 32 Circuits/Key 3/Dark Gray; Tube |
| Application | Automotive, Power, Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | stAK50h |
| UPC | 191128755719 |

### Electrical

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

Downloaded from Arrow.com.

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 96 |
| Circuits (maximum) | 96 |
| Color - Resin | Black, Blue, Gray (Dark) |
| 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 | 30.600/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 |
| 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)

Downloaded from Arrow.com.

| Description | Part Number |
| --- | --- |
| stAK50h Hybrid Receptacle, 32 Circuits, Key 1, Rib Option A, Black, Bag | 1600280011 |
| stAK50h Hybrid Receptacle, 32 Circuits, Key 2, Rib Option A, Blue, Bag | 1600280012 |
| stAK50h Hybrid Receptacle, 32 Circuits, Key 3, Rib Option A, Dark Gray, Bag | 1600280013 |



Downloaded from Arrow.com.