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**Part Number:** [1600133623](#)  
**Status:** **Active**  
**Overview:** [stAK50h Connection System](#)  
**Description:** stAK50h 2 Bay Infotainment Hybrid Header, 56 Circuits, Bay A 28 Circuit Header, Key 2; Bay B 28 Circuit Header, Key 3; 2.50mm PC Tail Length, Gray, Tube

**Documents:**

|                                                                   |                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                          | <a href="#">Packaging Specification PK-31302-235-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                    | <a href="#">Datasheet (PDF)</a>                                |
| <a href="#">Drawing (PDF)</a>                                     | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Application Specification AS-160013-001-001 (PDF)</a> |                                                                |

**General**

|                |                                           |
|----------------|-------------------------------------------|
| Product Family | PCB Headers                               |
| Series         | <a href="#">160013</a>                    |
| Application    | Automotive, Power, Signal, Wire-to-Board  |
| Overview       | <a href="#">stAK50h Connection System</a> |
| Product Name   | stAK50h                                   |
| UPC            | 191130043347                              |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 56             |
| Circuits (maximum)             | 56             |
| 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                     | 12.840/g       |
| Number of Rows                 | 5              |
| Orientation                    | Right Angle    |
| PC Tail Length                 | 2.50mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| Packaging Type                 | Tube           |
| 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                      | No             |
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -40° to +85°C  |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | Contact Molex |
| Voltage - Maximum             | 14V DC        |

**Material Info**



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**

[160013](#) Series

**Mates With**

stAK50h Receptacle Assembly [1600140002](#)  
, [1600140003](#)

**Reference - Drawing Numbers**

|                           |                    |
|---------------------------|--------------------|
| Application Specification | AS-160013-001-001  |
| Packaging Specification   | PK-31302-235-001   |
| Sales Drawing             | SD-160013-0001-001 |

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