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**Part Number:** [47306-5005](#)  
**Status:** **Active**  
**Overview:** [Serial ATA Products](#)  
**Description:** 1.27mm Pitch Serial ATA High Speed Header, Vertical, Surface Mount, with Locking Latches, 7 Circuits, 0.38µm Gold (Au) Plating, Metal Post Length 2.65mm, with Mylar, Tape on Reel Package, Lead-Free

**Documents:**  
[3D Model](#) [Product Specification PS-67491-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

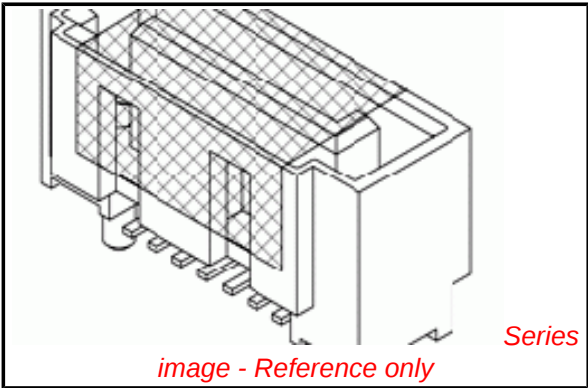
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                               |
|----------------|-----------------------------------------------|
| Product Family | PCB Headers                                   |
| Series         | <a href="#">47306</a>                         |
| Application    | Board-to-Board, Signal                        |
| Comments       | Staggered Solder Pin Metal Post Length 2.65mm |
| Overview       | <a href="#">Serial ATA Products</a>           |
| Product Name   | Serial ATA                                    |
| UPC            | 822350205344                                  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 7                              |
| Circuits (maximum)             | 7                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| First Mate / Last Break        | Yes                            |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | Yes                            |
| Keying to Mating Part          | Yes                            |
| Lock to Mating Part            | Yes                            |
| Mated Height                   | 8.40mm                         |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.912/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface       | 1.27mm                         |
| Pitch - Termination Interface  | 1.27mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.270µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Robotic Placement              | Vacuum Pick-Up Tape            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[47306Series](#)

|                               |                |
|-------------------------------|----------------|
| Temperature Range - Operating | -35°C to +85°C |
| Termination Interface: Style  | Surface Mount  |

**Electrical**

|                               |        |
|-------------------------------|--------|
| Current - Maximum per Contact | 1.5A   |
| Voltage - Maximum             | 15V DC |

**Material Info**

**Reference - Drawing Numbers**

|                           |              |
|---------------------------|--------------|
| Electrical Model Document | EE-47306-001 |
| Product Specification     | PS-67491-001 |
| Sales Drawing             | SD-47306-001 |

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