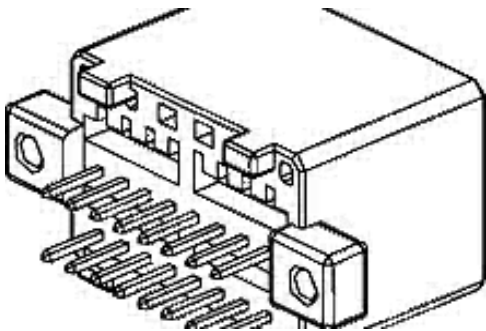




**Part Number :** [681451615](#)  
**Product Description :** 2.50mm Pitch Wire-to-Board Header, 1.02mm Tab Type, Vertical, 16 Circuits, Gray  
**Series Number :** 68145  
**Status :** Obsolete  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Specifications

[PK-68145-001-001.pdf](#)  
[PS-68145-002-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                 |
|--------------------|-------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44                     |
| China RoHS         | Product not active                              |
| EU ELV             | Product not active                              |
| Low-Halogen Status | Product not active                              |
| 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

Part Details

General

|                |                                                                                 |
|----------------|---------------------------------------------------------------------------------|
| Status         | Obsolete                                                                        |
| Category       | PCB Headers and Receptacles                                                     |
| Series         | 68145                                                                           |
| Description    | 2.50mm Pitch Wire-to-Board Header, 1.02mm Tab Type, Vertical, 16 Circuits, Gray |
| Application    | Power, Wire-to-Board                                                            |
| Component Type | PCB Header                                                                      |
| Product Name   | N/A                                                                             |
| UPC            | 756054302118                                                                    |

Electrical

|                               |              |
|-------------------------------|--------------|
| Current - Maximum per Contact | 5.0A         |
| Voltage - Maximum             | 13V DC (RMS) |

Physical

|                                |           |
|--------------------------------|-----------|
| Breakaway                      | No        |
| Circuits (Loaded)              | 16        |
| Circuits (maximum)             | 16        |
| Color - Resin                  | Gray      |
| Durability (mating cycles max) | 50        |
| First Mate / Last Break        | No        |
| Glow-Wire Capable              | No        |
| Guide to Mating Part           | No        |
| Keying to Mating Part          | None      |
| Lock to Mating Part            | Yes       |
| Material - Metal               | Brass     |
| Material - Plating Mating      | Tin       |
| Material - Plating Termination | Tin       |
| Material - Resin               | Polyester |

|                               |               |
|-------------------------------|---------------|
| Net Weight                    | 4.296/g       |
| Number of Rows                | 2             |
| Orientation                   | Vertical      |
| Packaging Type                | Tray          |
| PCB Locator                   | Yes           |
| PCB Retention                 | Yes           |
| PCB Thickness - Recommended   | 1.60mm        |
| Pitch - Mating Interface      | 2.50mm        |
| Pitch - Termination Interface | 2.50mm        |
| Plating min - Mating          | 0.813µm       |
| Plating min - Termination     | 0.813µm       |
| Polarized to Mating Part      | Yes           |
| Polarized to PCB              | Yes           |
| Shrouded                      | Partial       |
| Stackable                     | No            |
| Temperature Range - Operating | -30° to +85°C |
| Termination Interface Style   | Through Hole  |

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## Mates With / Use With

### Mates with Part(s)

| Description                                  | Part Number  |
|----------------------------------------------|--------------|
| 1.02mm Tab Wire-to-Board Receptacle Housings | <u>35563</u> |