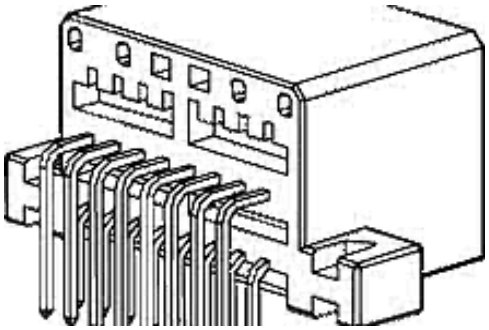
molex



**Part Number :** 681453625
**Product Description :** 2.50mm Pitch Wire-to-Board Header, 1.02mm Tab Type, Right Angle, 36 Circuits, Gray
**Series Number :** 68145
**Status :** Obsolete
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** 068145-3625

Obsolete

## Documents and Resources

### Specifications

PS-68145-004-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Duty-To-Declare |
| 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)6375-DC (05 Nov 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 | Obsolete |
| Category | PCB Headers and Receptacles |
| Series | 68145 |
| Description | 2.50mm Pitch Wire-to-Board Header, 1.02mm Tab Type, Right Angle, 36 Circuits, Gray |
| Application | Power, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | N/A |
| UPC | 889056229456 |

### Electrical

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 36 |
| Circuits (maximum) | 36 |
| Color - Resin | Gray |
| 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 |

Obsolete

| | |
|---|---|
| Net Weight | 11.706/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 2.30mm |
| Pitch - Mating Interface | 2.50mm |
| Pitch - Termination Interface | 2.50mm |
| Plating min - Mating | 1.000µm |
| Plating min - Termination | 1.000µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Closed Ends |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| 1.02mm Tab Wire-to-Board Housing, Female, 20 Circuits | 355642015 |

Obsolete