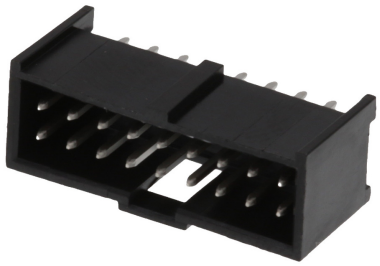
Part Number : 901301118
Product Description : C-Grid III Header, Dual Row, Vertical, Shrouded, Fully Loaded, 18 Circuits, Black, 3µm Tin (Sn) over Nickel (Ni)
Series Number : 90130
Status : Active
Product Category : PCB Headers and Receptacles



## Documents & Resources

### Drawings
901301118_sd.pdf
PK-91814-005-001.pdf

### 3D Models and Design Files
901301118_stp.zip

### Specifications
901190001-AS-000.pdf
PK-90130-001-001.pdf
PS-99020-0001-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS | |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)6225-DC (07 Nov 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements
- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 90130 |
| Description | C-Grid III Header, Dual Row, Vertical, Shrouded, Fully Loaded, 18 Circuits, Black, 3µm Tin (Sn) over Nickel (Ni) |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | C-Grid III |
| UPC | 800753700079 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum | 350V AC/DC |

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 18 |
| Circuits (maximum) | 18 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |

| | |
|---|---|
| Flammability | 94V-0 |
| 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 | 2.086/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PC Tail Length | 2.90mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 3.048µm |
| Plating min - Termination | 3.048µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| Shrouded | Closed Ends |
| Stackable | No |
| Temperature Range - Operating | -55° to +125°C |
| Termination Interface Style | Through Hole |

## Solder Process Data

| | |
|---|---|
| Max-Duration | 3 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 235 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| C-Grid III Dual Row Crimp Housings | 90142 |
| C-Grid III Modular Dual Row Crimp Housings | 90143 |