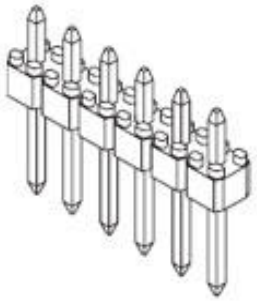
molex



**Part Number :** 901201092
**Product Description :** 2.54mm Pitch C-Grid III Header, Single Row, Vertical, 12 Circuits, Flash Gold (Au) Stripe on 2 Sides
**Series Number :** 90120
**Status :** Active
**Product Category :** PCB Headers and Receptacles

## Documents & Resources

### Drawings

901201092_sd.pdf

PK-90120-100-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

901190001-AS-000.pdf

PS-99020-0001-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| 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

EU RoHS Certificate of Compliance

Additional Product Compliance Information

---

## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 90120 |
| Description | 2.54mm Pitch C-Grid III Header, Single Row, Vertical, 12 Circuits, Flash Gold (Au) Stripe on 2 Sides |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | C-Grid III |
| UPC | 800753715516 |

### Agency

| | |
|---|---|
| UL | E29179 |

### Electrical

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

### Physical

| | |
|---|---|
| Breakaway | Yes |

| | |
|---|---|
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| 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 | None |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Net Weight | 0.534/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 2.90mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Termination | 3.000µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | No |
| 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 Vertical Single Row PC Board Connectors | 90147 |
| C-Grid III Right-Angle Single Row PC Board Connectors | 90148 |
| C-Grid III Modular Single Row Crimp Housings | 90123 |