**Part Number :** 901420024
**Product Description :** 2.54mm Pitch C-Grid III Crimp Housing Dual Row, 24 Circuits, Black
**Series Number :** 90142
**Status :** Active
**Product Category :** Connector Housings



## Documents & Resources

### Drawings

901420024_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

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 | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Contains Triphenyl-phosphate 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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Connector Housings |
| Series | 90142 |
| Description | 2.54mm Pitch C-Grid III Crimp Housing Dual Row, 24 Circuits, Black |
| Application | Signal, Wire-to-Board |
| Product Name | C-Grid III |
| UPC | 800753657458 |

### Agency

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (maximum) | 24 |
| Color - Resin | Black |
| Gender | Receptacle |
| Glow-Wire Capable | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Resin | PPO |
| Net Weight | 1.643/g |

| | |
|---|---|
| Number of Rows | 2 |
| Packaging Type | Bag |
| Panel Mount | No |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Polarized to Mating Part | Yes |
| Ports | 0 |
| Stackable | No |
| Temperature Range - Operating | -55° to +105°C |

### Solder Process Data

| | |
|---|---|
| Lead-Free Process Capability | N/A |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| C-Grid III Right-Angle Dual Row Headers | 90122 |
| C-Grid III Dual Row Headers | 90130 |
| C-Grid III Vertical Dual Row Headers | 90131 |

### Use with Part(s)

| Description | Part Number |
|---|---|
| Pre-Crimped Lead C-Grid III Female-to-C-Grid III Female, Tin (Sn) Plating, 150.00mm Length, 22 AWG, Black | 797582022 |
| Pre-Crimped Lead C-Grid III Female-to-C-Grid III Female, Tin (Sn) Plating, 300.00mm Length, 22 AWG, Black | 797582023 |
| C-Grid III Female Crimp Terminals | 90119 |