



**Part Number :** [901420016](#)

**Product Description :** 2.54mm Pitch C-Grid III Crimp Housing Dual Row, 16 Circuits, Black

**Series Number :** 90142

**Status :** Active

**Product Category :** Connector Housings



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## Documents and Resources

### Drawings

[901420016\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)


### Specifications

[PS-99020-0001-001.pdf](#)

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## 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)7771-DC (04 Feb 2026)   |
| 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, 16 Circuits, Black |
| Application  | Signal, Wire-to-Board  |
| Product Name | C-Grid III   |
| UPC          | 800753658172   |

### Agency

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

### Physical

|                       |            |
|-----------------------|------------|
| Circuits (maximum)    | 16         |
| Color - Resin         | Black      |
| Gender                | Receptacle |
| Glow-Wire Capable     | No         |
| Keying to Mating Part | None       |
| Lock to Mating Part   | Yes        |
| Material - Resin      | PPO        |
| Net Weight            | 1.120/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 |
|------------------------------|-----|

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## Mates With / Use With

### Mates with Part(s)

| Description                             | Part Number                  |
|---|------------------------------|
| C-Grid III Right-Angle Dual Row Headers | <a href="#"><u>90122</u></a> |
| C-Grid III Dual Row Headers             | <a href="#"><u>90130</u></a> |
| C-Grid III Vertical Dual Row Headers    | <a href="#"><u>90131</u></a> |

### 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 | <a href="#"><u>797582022</u></a> |
| Pre-Crimped Lead C-Grid III Female-to-C-Grid III Female, Tin (Sn) Plating, 300.00mm Length, 22 AWG, Black | <a href="#"><u>797582023</u></a> |
| C-Grid III Female Crimp Terminals   | <a href="#"><u>90119</u></a>     |