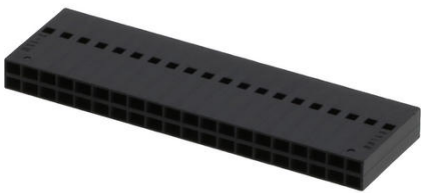




**Part Number :** [901430040](#)  
**Product Description :** 2.54mm Pitch C-Grid III  
Modular Crimp Housing, Dual Row, 40 Circuits, Black  
**Series Number :** 90143  
**Status :** Active  
**Product Category :** Connector Housings



## Documents and Resources

### Drawings

[901430040\\_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)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       | 90143                                                                       |
| Description  | 2.54mm Pitch C-Grid III Modular Crimp Housing, Dual Row, 40 Circuits, Black |
| Application  | Signal, Wire-to-Board                                                       |
| Comments     | No Buttons                                                                  |
| Product Name | C-Grid III                                                                  |
| UPC          | 800753530157                                                                |

### Agency

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

### Physical

|                       |                    |
|-----------------------|--------------------|
| Circuits Detail       | No Voided Circuits |
| Circuits (maximum)    | 40                 |
| Color - Resin         | Black              |
| Gender                | Receptacle         |
| Glow-Wire Capable     | No                 |
| Keying to Mating Part | No                 |
| Lock to Mating Part   | No                 |
| Material - Resin      | PPO                |

|                               |                |
|-------------------------------|----------------|
| Net Weight                    | 2.278/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      | No             |
| Ports                         | 1              |
| Stackable                     | Yes            |
| Temperature Range - Operating | -55° to +105°C |

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## Mates With / Use With

### Mates with Part(s)

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

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

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This document was generated on Apr 30, 2026