



Part Number : 901430018

Series Number : 90143

Product Category : Connector Housings

Product Description : 2.54mm Pitch C-Grid III  
Modular Crimp Housing, Dual Row, 18  
Circuits, Black

Status : Active

Documents & Resources

Drawings  
Drawing 901430018\_sd.pdf

3D Models and Design Files  
3D Model 901430018\_stp.zip

Specifications  
Product Specification PS-99020-0001-001.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 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)

## Part Details

### General

|                |                                                                             |
|----------------|-----------------------------------------------------------------------------|
| Status         | Active                                                                      |
| Category       | Connector Housings                                                          |
| Series         | 90143                                                                       |
| Description    | 2.54mm Pitch C-Grid III Modular Crimp Housing, Dual Row, 18 Circuits, Black |
| Application    | Signal, Wire-to-Board                                                       |
| Comments       | No Buttons                                                                  |
| Product Family | C-Grid III Interconnects                                                    |
| Product Name   | C-Grid III                                                                  |
| UPC            | 800753654778                                                                |

### Agency

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

### Physical

|                          |                    |
|--------------------------|--------------------|
| Breakaway                | No                 |
| Circuits Detail          | No Voided Circuits |
| Circuits (maximum)       | 18                 |
| Color - Resin            | Black              |
| Flammability             | 94V-1              |
| Gender                   | Receptacle         |
| Glow-Wire Capable        | No                 |
| Keying to Mating Part    | None               |
| Lock to Mating Part      | No                 |
| Material - Resin         | PPO                |
| Net Weight               | 0.911/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>90122</u> |
| C-Grid III Dual Row Headers             | <u>90130</u> |
| C-Grid III Vertical Dual Row Headers    | <u>90131</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 | <a href="/content/molex/molex-dot-com/us/en/products/product-page.html/797582022.html">/content/molex/molex-dot-com/us/en/products/product-page.html/797582022.html</a> |
| Pre-Crimped Lead C-Grid III Female-to-C-Grid III Female, Tin (Sn) Plating, 300.00mm Length, 22 AWG, Black | <a href="/content/molex/molex-dot-com/us/en/products/product-page.html/797582023.html">/content/molex/molex-dot-com/us/en/products/product-page.html/797582023.html</a> |
| C-Grid III Female Crimp Terminals                                                                         | <u>90119</u>                                                                                                                                                            |