



Part Number : [901420010](#)

Series Number : 90142

Product Category : Connector Housings

Product Description : 2.54mm Pitch C-Grid III Crimp Housing Dual Row, 10 Circuits, Black

Status : Active

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## Documents & Resources

### Drawings

[Drawing 901420010\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 901420010\\_stp.zip](#)


### Specifications

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 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)

### [EU RoHS Certificate of Compliance](#)

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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, 10 Circuits, Black
Application	Signal, Wire-to-Board
Product Family	C-Grid and C-Grid III Connector Products
Product Name	C-Grid III
UPC	800753658745

### Agency

CSA	LR19980
UL	E29179

### Physical

Breakaway	No
Circuits (maximum)	10
Color - Resin	Black
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	PPO
Net Weight	0.700/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	<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-pdf.html/797582022.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.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-pdf.html/797582023.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582023.html</a>
C-Grid III Female Crimp Terminals	<u>90119</u>