

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0901420050](#)  
**Status:** **Active**  
**Overview:** C-Grid III™  
**Description:** 2.54mm Pitch C-Grid III™ Crimp Housing Dual Row, 50 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-99020-0001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family Crimp Housings  
 Series [90142](#)  
 Application Signal, Wire-to-Board  
 Overview [C-Grid III™](#)  
 Product Name C-Grid III™  
 UPC 800753656024

**Physical**

Breakaway No  
 Circuits (maximum) 50  
 Color - Resin Black  
 Flammability 94V-0  
 Gender Female  
 Glow-Wire Compliant No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Resin PPO  
 Net Weight 3.387/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°C to +105°C

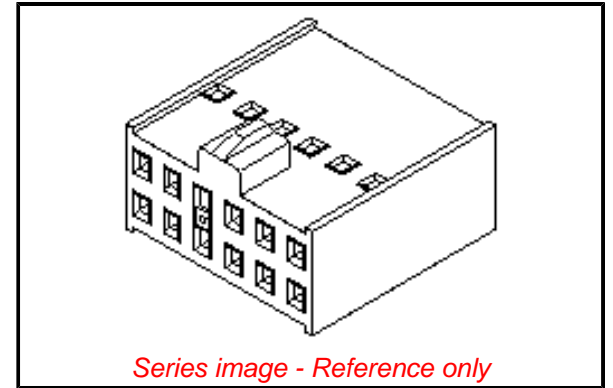
**Electrical**

Current - Maximum per Contact 3.0A

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-99020-0001  
 Sales Drawing SD-90142



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
 ED/21/2016 (20 June  
 2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[90142](#) Series

**Mates With**

C-Grid III™ Header, Dual Row [90122](#) ,  
[90130](#) , [90131](#)

**Use With**

C-Grid III™ Crimp Terminal [90119](#)