

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [75102-0005](#)  
**Status:** **Active**  
**Overview:** [C-Grid® Products](#)  
**Description:** 2.54mm Pitch C-Grid® Breakaway Header, Dual Row, Vertical, Compliant Pin, 12 Circuits, 0.76µm Gold (Au) Selective Plating

**Documents:**

[3D Model](#) [Product Specification PS-75100-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

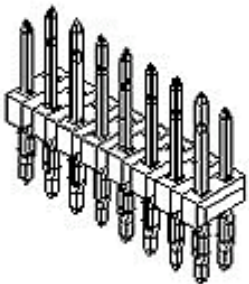
CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [75102](#)  
Application Board-to-Board, Signal, Wire-to-Board  
Application Tooling Part Link 62202-1901  
Application Tooling Part Link 62202-1903  
Application Tooling Part Link 62202-1904  
Application Tooling Part Link 62202-1910  
Application Tooling Part Link 62202-1920  
Application Tooling Part Link 62202-1930  
Application Tooling Part Link 62202-1940  
Application Tooling Part Link 62202-1950  
Application Tooling Part Link 62202-1960  
Overview [C-Grid® Products](#)  
Product Name C-Grid®  
UPC 822348098897

**Physical**

Breakaway Yes  
Circuits (Loaded) 12  
Circuits (maximum) 12  
Color - Resin Black  
Durability (mating cycles max) 50  
Flammability 94V-0  
Glow-Wire Compliant No  
Lock to Mating Part None  
Material - Metal High Performance Alloy (HPA)  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 0.834/g  
Number of Rows 2  
Orientation Vertical  
PC Tail Length 4.75mm  
PCB Locator No  
PCB Retention Yes  
PCB Thickness - Recommended 2.40mm  
Packaging Type Bag  
Pitch - Mating Interface 2.54mm  
Polarized to Mating Part Yes  
Shrouded Fully  
Stackable Yes



Series

image - Reference only

**EU RoHS**

**RoHS Compliant by Exemption**

**REACH SVHC**

**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[75102Series](#)

**Mates With**

70066 , 71973 , 7859 , 70400 , 70192 ,  
71850 , 71395 , 70854 , 71979 , 70450

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description       | Product #                  |
|-------------------|----------------------------|
| CPI Modular       | <a href="#">0622021901</a> |
| Insertion Pin     |                            |
| CPI Modular Left  | <a href="#">0622021903</a> |
| End Spacer        |                            |
| CPI Modular Right | <a href="#">0622021904</a> |
| End Spacer        |                            |
| Modular Press In  | <a href="#">0622021910</a> |
| Tool, 4 Circuits  |                            |
| Modular Press In  | <a href="#">0622021920</a> |
| Tool, 6 Circuits  |                            |

|                                    |                              |                   |                   |
|------------------------------------|------------------------------|-------------------|-------------------|
| Surface Mount Compatible (SMC)     | Yes                          | Modular Press In  | <u>0622021930</u> |
| Temperature Range - Operating      | -40°C to +105°C              | Tool, 10 Circuits |                   |
| Termination Interface: Style       | Through Hole - Compliant Pin | Modular Press In  | <u>0622021940</u> |
|                                    |                              | Tool, 20 Circuits |                   |
| <b>Electrical</b>                  |                              | Modular Press In  | <u>0622021950</u> |
| Current - Maximum per Contact      | 3A                           | Tool, 40 Circuits |                   |
| Voltage - Maximum                  | 250V                         | Modular Press In  | <u>0622021960</u> |
|                                    |                              | Tool, 80 Circuits |                   |
| <b>Material Info</b>               |                              |                   |                   |
| <b>Reference - Drawing Numbers</b> |                              |                   |                   |
| Product Specification              | PS-75100-001                 |                   |                   |
| Sales Drawing                      | SD-75102-001                 |                   |                   |

This document was generated on 09/11/2014

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[75102-0005](#)