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**Part Number:** [75102-0080](#)  
**Status:** **Active**  
**Description:** 2.54mm Pitch C-Grid® Breakaway Header, Dual Row, Vertical, Compliant Pin, 6 Circuits, Tin (Sn) Plating

**Documents:**

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

**Agency Certification**

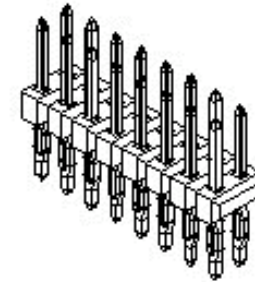
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [75102](#)  
 Application Board-to-Board, Signal, Wire-to-Board  
 Application Tooling Part Link [622021901](#)  
 Application Tooling Part Link [622021903](#)  
 Application Tooling Part Link [622021904](#)  
 Application Tooling Part Link [622021910](#)  
 Application Tooling Part Link [622021920](#)  
 Application Tooling Part Link [622021930](#)  
 Application Tooling Part Link [622021940](#)  
 Application Tooling Part Link [622021950](#)  
 Application Tooling Part Link [622021960](#)  
 Product Name C-Grid®

**Physical**

Breakaway Yes  
 Circuits (Loaded) 6  
 Circuits (maximum) 6  
 Color - Resin Black  
 Durability (mating cycles max) 25  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Lock to Mating Part None  
 Material - Metal High Performance Alloy (HPA)  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 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  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole - Compliant Pin



Series

image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**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 Insertion Pin         | <a href="#">0622021901</a> |
| CPI Modular Left End Spacer       | <a href="#">0622021903</a> |
| CPI Modular Right End Spacer      | <a href="#">0622021904</a> |
| Modular Press In Tool, 4 Circuits | <a href="#">0622021910</a> |
| Modular Press In Tool, 6 Circuits | <a href="#">0622021920</a> |

**Electrical**

Current - Maximum per Contact 3A  
Voltage - Maximum 250V

**Material Info****Reference - Drawing Numbers**

Product Specification PS-75100-001  
Sales Drawing SD-75102-001

|                                    |                            |
|------------------------------------|----------------------------|
| Modular Press In Tool, 10 Circuits | <a href="#">0622021930</a> |
| Modular Press In Tool, 20 Circuits | <a href="#">0622021940</a> |
| Modular Press In Tool, 40 Circuits | <a href="#">0622021950</a> |
| Modular Press In Tool, 80 Circuits | <a href="#">0622021960</a> |

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