

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

**Part Number:** [0025026072](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch C-Grid® Header, Dual Row, Shrouded, with PC Slot and Guide Ear, 72 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating

**Documents:**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-70204 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

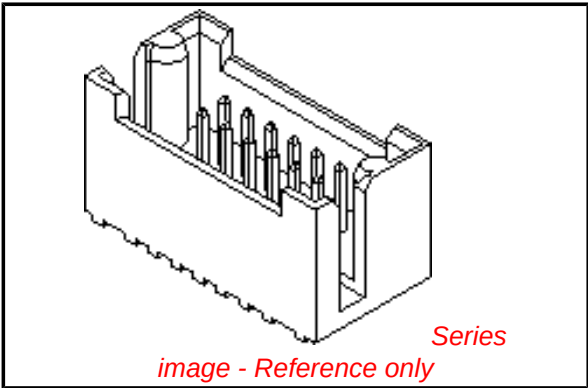
|                |                       |
|----------------|-----------------------|
| Product Family | PCB Headers           |
| Series         | <a href="#">70204</a> |
| Application    | Board-to-Board        |
| Product Name   | C-Grid®               |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 72                     |
| Circuits (maximum)             | 72                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 50                     |
| Flammability                   | 94V-0                  |
| Glow-Wire Compliant            | No                     |
| Guide to Mating Part           | Yes                    |
| Lock to Mating Part            | None                   |
| Material - Metal               | Brass, Phosphor Bronze |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Nylon                  |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PC Tail Length (in)            | 0.110 In               |
| PC Tail Length (mm)            | 2.79 mm                |
| PCB Locator                    | No                     |
| PCB Retention                  | None                   |
| Packaging Type                 | Tray                   |
| Pitch - Mating Interface (in)  | 0.100 In               |
| Pitch - Mating Interface (mm)  | 2.54 mm                |
| Plating min: Mating (µin)      | 15                     |
| Plating min: Mating (µm)       | 0.38                   |
| Plating min: Termination (µin) | 75                     |
| Plating min: Termination (µm)  | 1.91                   |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | No                     |
| Shrouded                       | Fully                  |
| Stackable                      | No                     |
| Temperature Range - Operating  | -40°C to +105°C        |
| Termination Interface: Style   | Through Hole           |

**Electrical**

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



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No**  
**Halogen-Free  
Status**

**Not Reviewed**

**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.

**China RoHS**



**Search Parts in this Series**  
[70204Series](#)

**Mates With**  
[71973](#)

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 245                    |

**Material Info**

|                 |            |
|-----------------|------------|
| Old Part Number | 70204-0291 |
|-----------------|------------|

**Reference - Drawing Numbers**

|                       |                     |
|-----------------------|---------------------|
| Product Specification | PS-70204            |
| Sales Drawing         | SDA-70204-0257-0320 |

This document was generated on 04/09/2010

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

