

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

90130-1244

Status:

Active

Overview:

C-Grid III™

Description:

C-Grid III™ Header, Dual Row, Vertical, Shrouded, Fully Loaded, 44 Circuits, Black, 0.38µm Gold (Au) Selective Plating

Documents:

3D Model

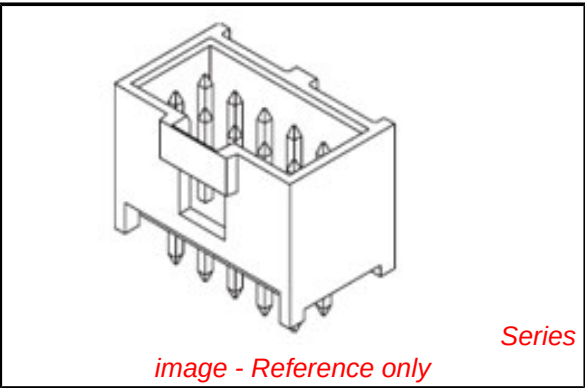
Drawing (PDF)

Product Specification PS-99020-0001 (PDF)

RoHS Certificate of Compliance (PDF)

| General                        |                       |
|--------------------------------|-----------------------|
| Product Family                 | PCB Headers           |
| Series                         | 90130                 |
| Application                    | Signal, Wire-to-Board |
| Overview                       | C-Grid III™           |
| Product Name                   | C-Grid III™           |
| UPC                            | 800753697867          |
| Physical                       |                       |
| Breakaway                      | No                    |
| Circuits (Loaded)              | 44                    |
| Circuits (maximum)             | 44                    |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 100                   |
| First Mate / Last Break        | No                    |
| Glow-Wire Compliant            | No                    |
| Guide to Mating Part           | No                    |
| Keying to Mating Part          | None                  |
| Lock to Mating Part            | Yes                   |
| Material - Metal               | Brass                 |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Tin                   |
| Material - Resin               | Polyester             |
| Net Weight                     | 6.000/g               |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| PC Tail Length                 | 2.90mm                |
| PCB Locator                    | No                    |
| PCB Retention                  | None                  |
| PCB Thickness - Recommended    | 1.60mm                |
| Packaging Type                 | Tray                  |
| Pitch - Mating Interface       | 2.54mm                |
| Pitch - Termination Interface  | 2.54mm                |
| Plating min - Mating           | 0.381µm               |
| Plating min - Termination      | 3.048µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | No                    |
| Shrouded                       | Closed Ends           |
| Stackable                      | No                    |
| Surface Mount Compatible (SMC) | No                    |
| Temperature Range - Operating  | -55°C to +125°C       |
| Termination Interface: Style   | Through Hole          |

| Electrical                    |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 3A         |
| Voltage - Maximum             | 350V AC/DC |



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

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

90130Series

Mates With

90142 C-Grid III™ Crimp Housing

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 3                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 235                    |

**Material Info**

**Reference - Drawing Numbers**

|                       |               |
|-----------------------|---------------|
| Product Specification | PS-99020-0001 |
| Sales Drawing         | SDA-90130     |

This document was generated on 08/11/2014

**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:

90130-1244