

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0901471212](#)
Status: **Active**
Overview: C-Grid Connector Products
Description: C-Grid PC Board Connector, Single Row, Vertical, 12 Circuits, Gold (Au) Plating

Documents:

| | |
|---|--|
| 3D Model | Application Specification 713080001-AS-000 (PDF) |
| Drawing (PDF) | Application Specification 901190001-AS-000 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-99020-0001-001 (PDF) | |

Agency Certification

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

General

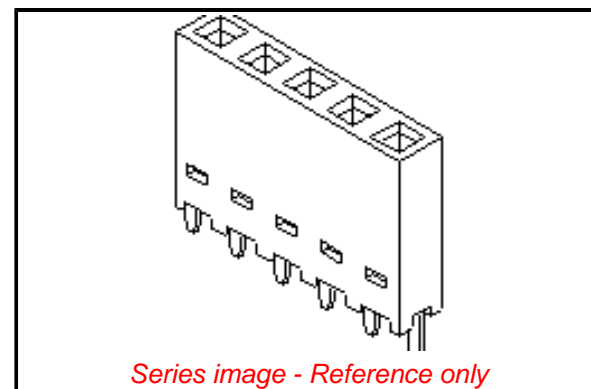
| | |
|----------------|---|
| Product Family | PCB Receptacles |
| Series | 90147 |
| Application | Board-to-Board, Signal |
| Overview | C-Grid Connector Products |
| Product Name | C-Grid |
| UPC | 800753674134 |

Physical

| | |
|--------------------------------|-----------------|
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | No |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Net Weight | 1.024/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length | 2.90mm |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tube |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 3.048µm |
| Polarized to PCB | No |
| Temperature Range - Operating | -55° to +125°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
| Grounding to PCB | No |
| Voltage - Maximum | 350V |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/71/2019 (16 July
2019)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[90147 Series](#)

Mates With

[90120](#) , [90121](#)

Use With

[90120](#) , [90121](#)

Solder Process Data

| | |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-free Process Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 230 |

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|------------------------------------|
| Application Specification | 713080001-AS-000, 901190001-AS-000 |
| Product Specification | PS-99020-0001-001 |
| Sales Drawing | SDA-90147-001 |

This document was generated on 05/22/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION