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Part Number: [0901200140](#)
Status: **Active**
Overview: [C-Grid III Interconnects](#)
Description: 2.54mm Pitch C-Grid III Header, Single Row, Vertical, 20 Circuits, Tin (Sn) Plating

Documents:

| | |
|---|--|
| 3D Model | Application Specification 901190001-AS-000 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-90120-100-001 (PDF) |
| Product Specification PS-99020-0001-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

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

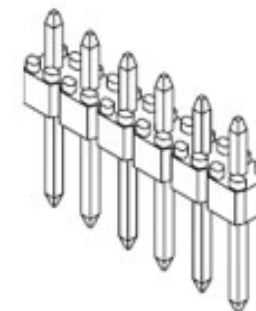
General

| | |
|----------------|--|
| Product Family | PCB Headers |
| Series | 90120 |
| Application | Signal, Wire-to-Board |
| Overview | C-Grid III Interconnects |
| Product Name | C-Grid III |
| UPC | 800753538825 |

Physical

| | |
|--------------------------------|----------------|
| Breakaway | Yes |
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 20 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Net Weight | 1.150/g |
| Number of Rows | 1 |
| 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 |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | No |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -55° to +125°C |
| Termination Interface: Style | Through Hole |

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

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

[90120 Series](#)

Mates With

[90147 C-Grid PC Board Connector](#), [90123 C-Grid III Modular Crimp Housing](#)

| | |
|-------------------------------|------------|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum | 350V AC/DC |

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 | 260 |

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|-------------------|
| Application Specification | 901190001-AS-000 |
| Packaging Specification | PK-90120-100-001 |
| Product Specification | PS-99020-0001-001 |
| Sales Drawing | SD-90120-001-001 |

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