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Part Number: [0901303318](#)
Status: **Active**
Overview: [C-Grid III Interconnects](#)
Description: C-Grid III Header, Dual Row, Right-Angle, Shrouded, Fully Loaded, 18 Circuits, Black 0.76µm Gold (Au) Selective Plating

Documents:

| | |
|------------------------------------------------------------------|----------------------------------------------------------------|
| 3D Model | Packaging Specification PK-90130-001-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-91814-005 (PDF) |
| Product Specification PS-99020-0001-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification 901190001-AS-000 (PDF) | |

Agency Certification

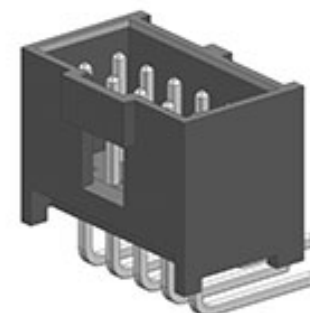
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|------------------------------------------|
| Product Family | PCB Headers |
| Series | 90130 |
| Application | Signal, Wire-to-Board |
| Overview | C-Grid III Interconnects |
| Product Name | C-Grid III |
| UPC | 800753703179 |

Physical

| | |
|--------------------------------|-------------|
| Breakaway | No |
| Circuits (Loaded) | 18 |
| Circuits (maximum) | 18 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| 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 | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Net Weight | 2.419/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| 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 | 0.762µm |
| Plating min - Termination | 3.048µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| Shrouded | Closed Ends |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

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

[90130 Series](#)

Mates With

[90142 C-Grid III Crimp Housing](#)

Temperature Range - Operating -55° to +125°C
Termination Interface: Style Through Hole

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 003
Lead-free Process Capability WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 235

Material Info

Reference - Drawing Numbers

Application Specification 901190001-AS-000
Packaging Specification PK-90130-001-001, PK-91814-005
Product Specification PS-99020-0001-001
Sales Drawing SDA-90130-001

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