



Part Number : [877970400](#)

Product Description : C-Grid Header, Through Hole, Dual Row Dual Body, Vertical, 0.38µm Gold (Au) Plating, 12.70mm Stacking Height, Tray Packaging, 40 Circuits, Lead-Free

Series Number : 87797

Status : Active

Product Category : PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 877970400\\_sd.pdf](#)

[Packaging Design Drawing PK-87797-300-000.pdf](#)

[Packaging Design Drawing PK-89990-489-001.pdf](#)

### 3D Models and Design Files

[3D Model 877970400\\_stp.zip](#)

### Specifications

[Application Specification 713080001-AS-000.pdf](#)

[Product Specification PS-87920-019-001.pdf](#)


[Test Summary 879200001-TS-000.pdf](#)

[Test Summary 879200000-TS-000.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Relevant
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

### [Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	87797
Description	C-Grid Header, Through Hole, Dual Row Dual Body, Vertical, 0.38µm Gold (Au) Plating, 12.70mm Stacking Height, Tray Packaging, 40 Circuits, Lead-Free
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Family	C-Grid Connector Products
Product Name	C-Grid,Dual Body
UPC	822350598705

#### Agency

UL	E29179
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#### Electrical

Current - Maximum per Contact	3.0A
Voltage - Maximum	250V

#### Physical

Breakaway	Yes
Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Black
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	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.025/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.79mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	2.032µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole

### Solder Process Data

Max-Duration	14
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	265

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