

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0877971001](#)  
**Status:** **Active**  
**Overview:** C-Grid Connector Products  
**Description:** C-Grid Header, Through Hole, Dual Row Dual Body, Vertical, 2.50µm Tin (Sn) Plating, 19.05mm Stacking Height, Tray Packaging, 10 Circuits, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-87797-300-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-89990-489-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 879200000-TS-000 (PDF)</a>
<a href="#">Product Specification PS-87920-019-001 (PDF)</a>	<a href="#">Test Summary 879200001-TS-000 (PDF)</a>
<a href="#">Application Specification 713080001-AS-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

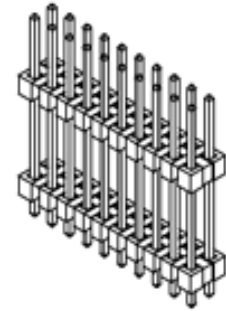
UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">87797</a>
Application	Board-to-Board, Signal
Overview	<a href="#">C-Grid Connector Products</a>
Product Name	C-Grid, Dual Body
UPC	800756687810

**Physical**

Breakaway	Yes
Circuits (Loaded)	10
Circuits (maximum)	10
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	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	0.487/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	2.29mm
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	2.540µm
Plating min - Termination	1.270µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55° to +105°C



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Contained Per -  
ED/108/2014 (17 Dec  
2014)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

Not Relevant

ELV

Not Relevant

RoHS Phthalates

Not Reviewed

**Search Parts in this Series**

[87797 Series](#)

Termination Interface: Style Through Hole

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 010  
Lead-free Process Capability WAVE  
Max. Cycles at Max. Process Temperature 003  
Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Application Specification 713080001-AS-000  
Packaging Specification PK-87797-300-000, PK-89990-489-001  
Product Specification PS-87920-019-001  
Sales Drawing SD-87797-171-000  
Test Summary 879200000-TS-000, 879200001-TS-000

This document was generated on 07/31/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Headers & Wire Housings](#) category:*

*Click to view products by [Molex](#) manufacturer:*

Other Similar products are found below :

[892-18-020-10-001101](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [009176003701906](#) [0050291907](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#)  
[609-3404](#) [61062-3](#) [622-0430](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-010LF](#)  
[65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67095-007LF](#) [67601157](#) [68648-049](#) [70.362.1628.0](#) [70-4210](#) [70-4226B](#) [70-4853B](#) [707-5020](#) [707-](#)  
[5028](#) [71.350.2428.0](#) [71918-208LF](#) [71961-016LF](#) [733-134](#) [733-162](#) [754199-000](#) [760-3052](#) [787-8014-00](#) [79531-3000](#) [FCN-360C032-B](#) [FCN-](#)  
[367T-T012/H](#) [FCN-723D010/2](#) [80.063.4001.1](#) [800-90-001-10-001000](#) [800-90-010-10-002000](#) [801-43-002-10-013000](#) [801-43-006-10-002000](#)