



**Part Number :** 918160010

**Series Number :** 91816

**Product Category :** PCB Headers and Receptacles

**Product Description :** C-Grid Vertical Header Assembly, Dual Row, 10 Circuits

**Status :** Active

Documents & Resources


**Drawings**  
Drawing 918160010\_sd.pdf  
Packaging Design Drawing PK-87835-001-001.pdf

**3D Models and Design Files**  
3D Model 918160010\_stp.zip

**Specifications**  
Application Specification 713080001-AS-000.pdf  
Product Specification PS-91816-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
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	91816
Description	C-Grid Vertical Header Assembly, Dual Row, 10 Circuits
Application	Board-to-Board, Signal
Comments	<p>This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.</p>
Component Type	PCB Header
Product Family	C-Grid Connector Products
Product Name	C-Grid
UPC	822350962728

#### Electrical

Current - Maximum per Contact	2.5A
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Voltage - Maximum	250V DC
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## Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Glow-Wire Capable	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Net Weight	1.576/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.28mm
PCB Locator	No
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	1.905µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Closed Ends
Stackable	No
Temperature Range - Operating	-55° to +120°C
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	10
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	1
Max-Temp	260

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