



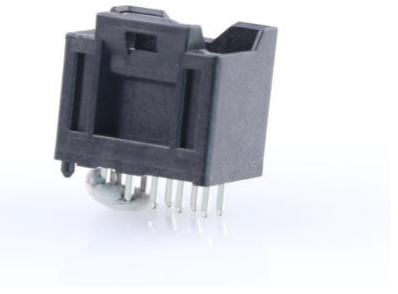
Part Number : [5030912821](#)

Product Description : 2.00mm Pitch, iGrid PCB Header, Dual Row, Vertical, Through Hole, Gold (Au) Plating, Positive Lock, 28 Circuits, Tray, 3.20mm PC Tail Length, Black, with PCB Locator

Series Number : 503091

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[5030912821 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[5030912821.dxf](#)

Specifications


[5016460000-A00.pdf](#)

[5016460000-A01.pdf](#)

[5016460000-PS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)

EU RoHS	Compliant per EU 2015/863
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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	503091
Description	2.00mm Pitch, iGrid PCB Header, Dual Row, Vertical, Through Hole, Gold (Au) Plating, Positive Lock, 28 Circuits, Tray, 3.20mm PC Tail Length, Black, with PCB Locator
Application	Wire-to-Board
Component Type	PCB Header
Product Name	iGrid
UPC	800756916019

Agency

CSA	LR19880
UL	E29179

Electrical

Current - Maximum per Contact	2.0A
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Voltage - Maximum	250V AC (RMS)/DC
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Physical

Breakaway	No
Circuits (Loaded)	28
Circuits (maximum)	28
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Polyamide (PA)
Mounting Style	Through Hole
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	No
PCB Thickness - Recommended	1.20mm, 1.60mm
PC Tail Length	3.20mm
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.100µm
Plating min - Termination	0.100µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Unmated Height	12.00mm
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Mates With / Use With

Mates with Part(s)

Description	Part Number
iGrid Dual Row Receptacle Housings	<u>501646</u>

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