



Part Number : [5016462401](#)
Product Description : 2.00mm Pitch, iGrid
Receptacle Crimp Housing, Dual Row, Positive Lock, 24
Circuits, Black
Series Number : 501646
Status : Active
Product Category : Connector Housings

Documents and Resources

Drawings

[5016462401_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[5016462401.dxf](#)

Specifications

[5016460000-A00.pdf](#)

[5016460000-A01.pdf](#)

[5016469200-200.pdf](#)

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

[5016461000-PS-000.pdf](#)

[5016461001-PS-001.pdf](#)

[PS-501646-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	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

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	Connector Housings
Series	501646
Description	2.00mm Pitch, iGrid Receptacle Crimp Housing, Dual Row, Positive Lock, 24 Circuits, Black
Application	Signal, Wire-to-Board
Product Name	iGrid
UPC	822350100458

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	24
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Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Resin	Nylon
Number of Rows	2
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
iGrid Vertical, Dual Row, Through Hole Headers	<u>501645</u>
iGrid Vertical, Dual Row, Through Hole Headers	<u>503091</u>
iGrid Right-Angle, Dual Row, Through Hole Headers	<u>501876</u>
iGrid Right-Angle, Dual Row, Through Hole Headers	<u>208659</u>

Use with Part(s)

Description	Part Number
iGrid Female Crimp Terminals	<u>501647</u>
iGrid Female Crimp Terminals	<u>501648</u>
iGrid Female Crimp Terminals	<u>503095</u>