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 & 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)4165-DC (25 June 2025)
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

Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	None
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	501645
iGrid Vertical, Dual Row, Through Hole Headers	503091
iGrid Right-Angle, Dual Row, Through Hole Headers	501876
iGrid Right-Angle, Dual Row, Through Hole Headers	208659

Use with Part(s)

Description	Part Number
iGrid Female Crimp Terminals	501647
iGrid Female Crimp Terminals	501648
iGrid Female Crimp Terminals	503095

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