

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5016462801](#)
Status: **Active**
Overview: iGrid Wire-to-Board Dual-Row System
Description: 2.00mm Pitch, iGrid Receptacle Crimp Housing, Dual Row, Positive Lock, 28 Circuits, Black

Documents:

3D Model	Product Specification PS-501646-001-001 (PDF)
Drawing (PDF)	Application Specification 5016460000-A00 (PDF)
3D Model (PDF)	Application Specification 5016460000-A01 (PDF)
Product Specification 5016460000-PS-000 (PDF)	Packaging Specification 5016469200-200 (PDF)
Product Specification 5016461000-PS-000 (PDF)	Datasheet (PDF)
Product Specification 5016461001-PS-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Housings
Series	501646
Application	Signal, Wire-to-Board
Overview	iGrid Wire-to-Board Dual-Row System
Product Name	iGrid
UPC	822350100472

Physical

Circuits (maximum)	28
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
Net Weight	810.000/mg
Number of Rows	1
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

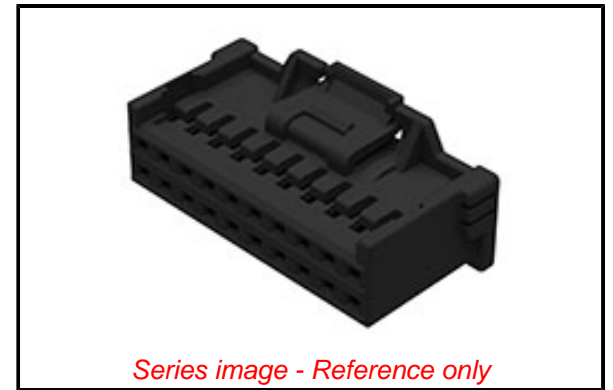
Electrical

Current - Maximum per Contact	2.0A
-------------------------------	------

Material Info

Reference - Drawing Numbers

Application Specification	5016460000-A00, 5016460000-A01
Packaging Specification	5016469200-200
Product Specification	5016460000-PS-000, 5016461000-PS-000, 5016461001-PS-001, PS-501646-001-001
Sales Drawing	SD-501646-001



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[501646 Series](#)

Mates With

iGrid Vertical Header (Tin) [501645](#) , (Gold) [503091](#) . iGrid Right-Angle Header (Tin) [501876](#) . iGrid Right-Angle Header (Gold) [208659](#)

Use With

iGrid Receptacle Terminal (Tin) 22-26 AWG [501647](#) , 26-28 AWG [501648](#) . iGrid Receptacle Terminal (Gold) [503095](#)

This document was generated on 08/03/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION