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Part Number: [5030912821](#)
Status: **Active**
Overview: [iGrid Wire-to-Board Dual-Row System](#)
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

Documents:

3D Model	Application Specification 5016460000-A00 (PDF)
Drawing (PDF)	Application Specification 5016460000-A01 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification 5016460000-PS-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	503091
Application	Signal, Wire-to-Board
Component Type	PCB Header
Overview	iGrid Wire-to-Board Dual-Row System
Product Name	iGrid
Taxonomy	PCB Headers and Receptacles
UPC	800756916019

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
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	Nylon
Net Weight	1630.000/mg
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.20mm, 1.60mm
Packaging Type	Tray
Pitch - Mating Interface	2.00mm
Plating min - Mating	0.100µm
Plating min - Termination	0.100µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Not Low-Halogen

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

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[503091](#) Series

Mates With

iGrid Receptacle Housing [501646](#)

Termination Interface: Style	Through Hole
Unmated Height	12.00mm
Electrical	
Current - Maximum per Contact	2.0A
Voltage - Maximum	250V AC (RMS)/DC
Material Info	
Reference - Drawing Numbers	
Application Specification	5016460000-A00, 5016460000-A01
Product Specification	5016460000-PS-000
Sales Drawing	5030910000-SD-000

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