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**Part Number:** [5030912421](#)  
**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, 24 Circuits, Tray, 3.20mm PC Tail Length, Black, with PCB Locator

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 5016460000-A00 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification 5016460000-A01 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 5030919200-SPK-200 (PDF)</a>
<a href="#">Product Specification 5016460000-PS-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 5016461000-PS-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

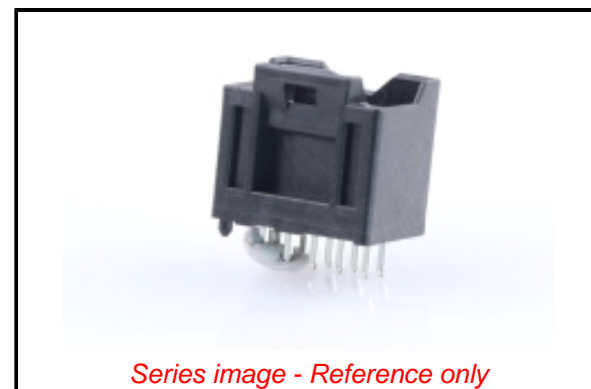
Product Family	PCB Headers
Series	<a href="#">503091</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">iGrid Wire-to-Board Dual-Row System</a>
Product Name	iGrid
UPC	800756915999

**Physical**

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
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	1030.480/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
Termination Interface: Style	Through Hole
Unmated Height	12.00mm

**Electrical**

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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**Not 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**

[503091](#) Series

**Mates With**

iGrid Receptacle Housing [501646](#)

**Material Info**

**Reference - Drawing Numbers**

Application Specification	5016460000-A00, 5016460000-A01
Packaging Specification	5030919200-SPK-200
Product Specification	5016460000-PS-000, 5016461000-PS-000
Sales Drawing	5030910000-SD-000

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