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Part Number: [5016451220](#)

Status: **Active**

Overview: [iGrid Wire-to-Board Dual-Row System](#)

Description: 2.00mm Pitch, iGrid PCB Header, Dual Row, Vertical, Through Hole, Tin (Sn) Plating, Positive Lock, 12 Circuits, Tray, 3.20mm PC Tail Length, Natural, with PCB Locator

Documents:

[Drawing \(PDF\)](#)

[3D Model](#)

[3D Model \(PDF\)](#)

[Product Specification 5016461001-PS-001 \(PDF\)](#)

[Product Specification PS-501646-001-001 \(PDF\)](#)

[Application Specification 5016460000-A00 \(PDF\)](#)

[Application Specification 5016460000-A01 \(PDF\)](#)

[Packaging Specification SPK-501645-001-001 \(PDF\)](#)

[Datasheet \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980

UL E29179

General

Product Family PCB Headers

Series [501645](#)

Application Signal, Wire-to-Board

Overview [iGrid Wire-to-Board Dual-Row System](#)

Product Name iGrid

UPC 822350201308

Physical

Breakaway No

Circuits (Loaded) 12

Circuits (maximum) 12

Color - Resin Natural

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 Tin

Material - Plating Termination Tin

Material - Resin Nylon

Net Weight 818.800/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

Polarized to Mating Part Yes

Polarized to PCB Yes

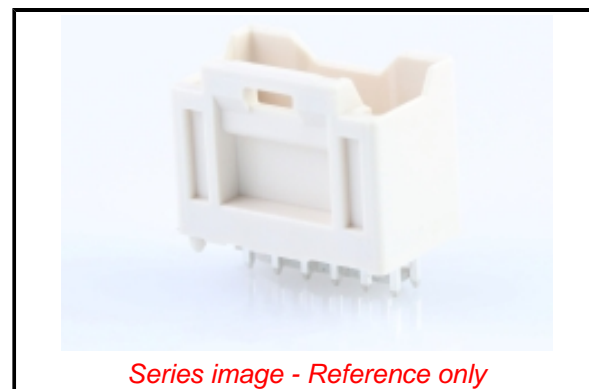
Stackable No

Surface Mount Compatible (SMC) No

Temperature Range - Operating -40° to +105°C

Termination Interface: Style Through Hole

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Not Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[501645 Series](#)

Mates With

[iGrid Receptacle Housing 501646](#)

Current - Maximum per Contact
Voltage - Maximum

2.0A
250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification
Packaging Specification
Product Specification
Sales Drawing

5016460000-A00, 5016460000-A01
SPK-501645-001-001
5016461001-PS-001, PS-501646-001-001
5016450000-SD-000, SD-501645-001-001

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