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Part Number: [5016454024](#)
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, 40 Circuits, Tray, 3.20mm PC Tail Length, Blue, with PCB Locator

Documents:	
3D Model	Application Specification 5016460000-A00 (PDF)
Drawing (PDF)	Application Specification 5016460000-A01 (PDF)
3D Model (PDF)	Packaging Specification SPK-501645-001-001 (PDF)
Product Specification 5016461001-PS-001 (PDF)	Datasheet (PDF)
Product Specification PS-501646-001-001 (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	822350202145

Physical

Breakaway	No
Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Blue
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	2310.000/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
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(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Not Low-Halogen

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

China ROHS	Not Relevant
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[501645](#) Series

Mates With

iGrid Receptacle Housing [501646](#)

Current - Maximum per Contact	2.0A
Voltage - Maximum	250V AC (RMS)/DC
Material Info	
Cross-Plant Material Status	LT
Reference - Drawing Numbers	
Application Specification	5016460000-A00, 5016460000-A01
Packaging Specification	SPK-501645-001-001
Product Specification	5016461001-PS-001, PS-501646-001-001
Sales Drawing	5016450000-SD-000, SD-501645-001

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