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Part Number:

5016451620

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, 16 Circuits, Tray, 3.20mm PC Tail Length, Natural, with PCB Locator

Documents:

Drawing (PDF)

3D Model

Product Specification PS-501646-001-001 (PDF)

Application Specification 5016460000-A00 (PDF)

Application Specification 5016460000-A01 (PDF)

Packaging Specification SPK-501645-001-001 (PDF)

RoHS Certificate of Compliance (PDF)



Series image - Reference only

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	501645
3D Viewer	Yes
Application	Signal, Wire-to-Board
CURRENT-MAX-NUMERIC	2.0
Overview	iGrid Wire-to-Board Dual-Row System
PITCH-MATING-NUMERIC	2.00
Product Name	iGrid
UPC	822350201506

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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	1028.400/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

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/71/2019 (16 July
2019)

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
501645 Series

Mates With
iGrid Receptacle Housing 501646

Electrical

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

Material Info

Reference - Drawing Numbers

Application Specification	5016460000-A00, 5016460000-A01
Packaging Specification	SPK-501645-001-001
Product Specification	PS-501646-001-001
Sales Drawing	5016450000-SD-000, SD-501645-001

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