

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5016451022](#)
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, 10 Circuits, Tray, 3.20mm PC Tail Length, Red, with PCB Locator

Documents:

3D Model	Application Specification 5016460000-A00 (PDF)
3D Model (PDF)	Application Specification 5016460000-A01 (PDF)
Drawing (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)

General

Product Family	PCB Headers
Series	501645
Application	Signal, Wire-to-Board
Overview	iGrid Wire-to-Board Dual-Row System
Product Name	iGrid
UPC	822350201223

Physical

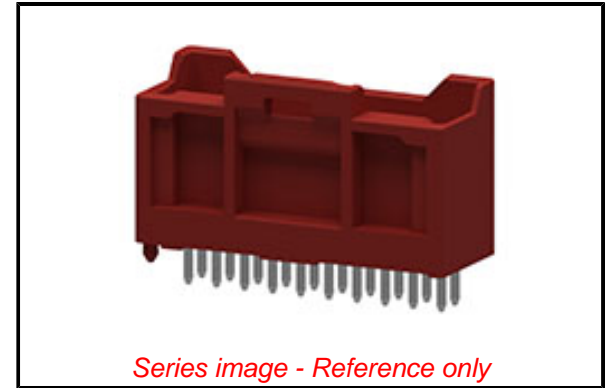
Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Red
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	720.000/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

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

Material Info

Reference - Drawing Numbers



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

[501645 Series](#)

Mates With

iGrid Receptacle Housing [501646](#)

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

This document was generated on 09/04/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION