

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 5016451420
Status: Active
Overview: iGrid Wire-to-Board Dual-Row System
Description: 2.00mm Pitch iGrid Wire-to-Board Header, Dual Row, Vertical, with PCB Locator, 14 Circuits

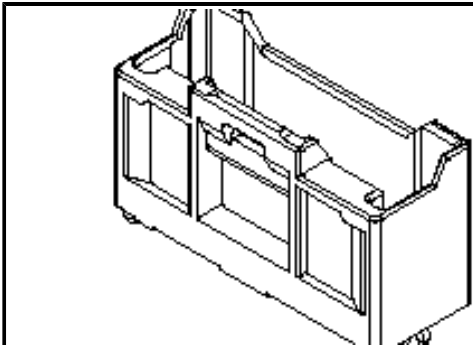
Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-501646-001-001 \(PDF\)](#)
[Application Specification 5016460000-A00 \(PDF\)](#)
[Application Specification 5016460000-A01 \(PDF\)](#)
[Packaging Specification SPK-501645-001-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification
UL E29179

General
Product Family PCB Headers
Series 501645
Application Signal, Wire-to-Board
Made From 0590199475, 5016441410
Overview iGrid Wire-to-Board Dual-Row System
Product Name iGrid
UPC 822350201407

Physical
Breakaway No
Circuits (Loaded) 14
Circuits (maximum) 14
Color - Resin Natural
Durability (mating cycles max) 30
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 923.600/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°C to +105°C
Termination Interface: Style Through Hole

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



Series image - Reference only

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
REACH SVHC
Not Contained Per -
ED/30/2017 (7 July
2017)
Halogen-Free
Status
Not Low-Halogen

Need more information on product
environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS Green Image
ELV Not Relevant
RoHS Phthalates Not Contained

Search Parts in this Series
501645 Series

Mates With
501646 Housing, 501647 Crimp Terminal
22-26 AWG, 501648 Crimp Terminal 26-28
AWG

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	SD-501645-001

This document was generated on 02/28/2018

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

501645-1420