

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **5016481000**
Status: **Active**
Overview: iGrid Wire-to-Board Dual-Row System
Description: 2.00mm Pitch, iGrid Female Crimp Terminal, Female, Tin (Sn) Plating, 26-28 AWG, Reel

Documents:

3D Model (PDF)	Application Specification 5016460000-A00 (PDF)
Drawing (PDF)	Application Specification 5016460000-A01 (PDF)
3D Model	Packaging Specification 5016489200-SPK-200 (PDF)
Product Specification 5016461001-PS-001 (PDF)	Datasheet (PDF)
Product Specification PS-501646-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Crimp Terminals
Series	501648
Application	Signal, Wire-to-Board
Crimp Quality Equipment	Yes
Overview	iGrid Wire-to-Board Dual-Row System
Product Name	iGrid
UPC	822350357470

Physical

Durability (mating cycles max)	30
Gender	Female
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	46.220/mg
Packaging Type	Reel
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	0.85-1.40mm
Wire Size AWG	26, 28
Wire Size mm ²	0.079-0.136

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification	5016460000-A00, 5016460000-A01
Crimp Specification	5016470000-CS-000
Packaging Specification	5016489200-SPK-200
Product Specification	5016461001-PS-001, PS-501646-001-001
Sales Drawing	5016480000-SD-000



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

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

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

501648 Series

Use With

iGrid Receptacle Housing 501646

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
-------------	-----------

Extraction Tool for	638131500
---------------------	---------------------------

MX150L, MX150, PT
Bulb Socket, iGrid,
SPOX, and Wire-to-
Motor Terminals

Extraction and	638132700
----------------	---------------------------

Activation Tool

Hand Crimp Tool	638192400
-----------------	---------------------------

for 2.00mm Pitch
Wire-to-Board Crimp

Terminals, 26-28
AWG Wire
T2 Terminator 638518100
Tooling Die
FineAdjust Applicator638618100

Japan

Description **Product #**

Applicator for M211A 5780213000

Bench Press, 22-26

AWG Wire

S-1 Applicator for 5780213710

iGrid Terminals,

26-28 AWG

This document was generated on 01/13/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

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

[Molex:](#)

[501648-1000 \(Mouser Reel\)](#) [501648-1000 \(Cut Strip\)](#) [501648-1000 \(Loose Piece\)](#)