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**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:**

<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification 5016460000-A00 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification 5016460000-A01 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification 5016489200-SPK-200 (PDF)</a>
<a href="#">Product Specification 5016461001-PS-001 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-501646-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**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
Taxonomy	Crimp Terminals
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 <sup>2</sup>	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(2022)4187-DC (10  
June 2022)

**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**

<b>Description</b>	<b>Product #</b>
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Extraction Tool for MX150L, MX150, PT Bulb Socket, iGrid, SPOX, and Wire-to-Motor Terminals	<a href="#">638131500</a>
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Extraction and Activation Tool	<a href="#">638132700</a>
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Hand Crimp Tool for 2.00mm Pitch Wire-to-Board Crimp	<a href="#">638192400</a>
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Terminals, 26-28  
AWG Wire  
T2 Terminator 638518100  
Tooling Die  
FineAdjust Applicator638618100

**Japan**

<b>Description</b>	<b>Product #</b>
S-1 Applicator for iGrid Terminals, 26-28 AWG	<u>5780213710</u>

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