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**Part Number:** [501646-2800](#)  
**Status:** **Active**  
**Overview:** iGrid™  
**Description:** 2.00mm Pitch iGrid™ Wire-to-Board Housing, Dual Row, Positive Lock, 28 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-501646-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Crimp Housings
Series	<a href="#">501646</a>
Application	Signal, Wire-to-Board
MolexKits	Yes
Overview	<a href="#">iGrid™</a>
Product Name	iGrid™
UPC	822350087223

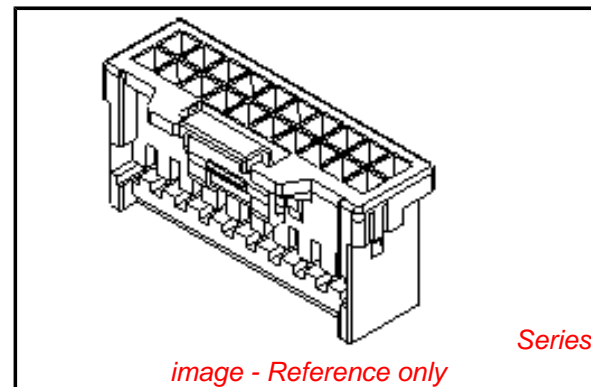
**Physical**

Circuits (maximum)	28
Color - Resin	Natural
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	810.000/mg
Number of Rows	2
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.00mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-25°C to +85°C

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-501646-001, RPS-501646-001, RPS-501646-002, RPS-501646-003, RPS-501646-004, RPS-501646-005, RPS-501646-006, RPS-501646-007, RPS-501646-008, RPS-501646-010, RPS-503091-001
Sales Drawing	SD-501646-001



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[501646Series](#)

**Mates With**

[501645 Vertical Header](#) . [501876 Right Angle Header](#)

**Use With**

[501647 22-26 AWG Terminal](#) . [501648 26-28 AWG Terminal](#)