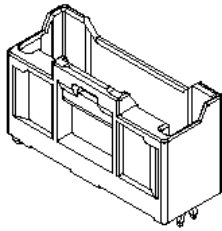


**Part Number: 501645-4010**

2.00mm Pitch iGrid™ Wire-to-Board Header, Positive Lock, Dual Row, with Kinked PC Tails and PCB Locator, 40 Circuits, Lead-Free



Series image - Reference only

Status:	OBSOLETE
Replacement:	Contact Molex
Series:	501645
Category:	PCB Headers
Overview:	iGrid™

Mates With Part(s):

501646 Housing

Product Environmental Compliance

EU RoHS: ELV and RoHS Compliant

China RoHS:

REACH SVHC: Contains SVHC: No

Low-Halogen Status: Not Low-Halogen

Part Detail**General**

Status	Obsolete
Category	PCB Headers
Series	501645
Application	Signal, Wire-to-Board
Overview	iGrid™
Product Name	iGrid™

Physical

Breakaway	No
Circuits (Loaded)	40
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	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	-25°C to +85°C

Electrical**(Please review the Product Specification for specific details.)**

Current - Maximum per Contact	2A
Voltage - Maximum	250V

Material Info

UPC	822350087124
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Reference - Drawing Numbers

Product Specification	PS-501646-001, RPS-501646-001, RPS-501646-002, RPS-501646-006, RPS-501646-007, RPS-501646-008
Sales Drawing	SD-501645-002

Application Tooling

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then

contained in the Application Tooling Specification document.

Previously Available Application Tooling

[Check our list of old tooling that used to be available for this part](#)