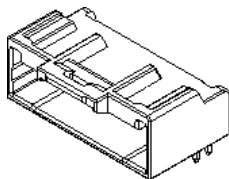


**Part Number: 501876-1230**

2.00mm Pitch iGrid™ Wire-to-Board Header, Dual Row, Right Angle, with Kinked PC Tails, 12 Circuits



Series image - Reference only

|                     |                 |
|---------------------|-----------------|
| <b>Status:</b>      | <b>OBSOLETE</b> |
| <b>Replacement:</b> | Contact Molex   |
| <b>Series:</b>      | 501876          |
| <b>Category:</b>    | PCB Headers     |
| <b>Overview:</b>    | iGrid™          |

**Mates With Part(s):**

501646 Housing

**Product Environmental Compliance**

EU RoHS: ELV and RoHS Compliant



China RoHS:

REACH SVHC: Not Reviewed

Low-Halogen Status: Not Reviewed

**Part Detail****General**

|               |                       |
|---------------|-----------------------|
| <b>Status</b> | <b>Obsolete</b>       |
| Category      | PCB Headers           |
| Series        | 501876                |
| Application   | Signal, Wire-to-Board |
| Overview      | iGrid™                |
| Product Name  | iGrid™                |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 12             |
| Circuits (maximum)             | 12             |
| Color - Resin                  | Natural        |
| Durability (mating cycles max) | 30             |
| Glow-Wire Compliant            | No             |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Tin            |
| Material - Plating Termination | Tin            |
| Material - Resin               | Nylon          |
| Number of Rows                 | 2              |
| Orientation                    | Right Angle    |
| PC Tail Length                 | 3.20mm         |
| PCB Locator                    | No             |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.20mm, 1.60mm |
| Packaging Type                 | Tray           |
| Pitch - Mating Interface       | 2.00mm         |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | No             |
| 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 AC (RMS)/DC |

**Material Info**

|     |              |
|-----|--------------|
| UPC | 822350304023 |
|-----|--------------|

**Reference - Drawing Numbers**

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Product Specification | PS-501646-001, RPS-501646-006, RPS-501646-007 |
| Sales Drawing         | SD-501876-002                                 |

**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.

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**Previously Available Application Tooling**

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