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**Part Number:** [503821-5281](#)  
**Status:** **Active**  
**Overview:** Array-Beam™ High-Density Board-to-Board Connector System  
**Description:** Array-Beam™ Plug, 528 Circuits, 4.00mm Mated Height, Surface Mount, 12 Rows, without Pegs

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification SPK-503821-001 (PDF)</a>
<a href="#">Product Specification PS-503825-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-503825-001 (PDF)</a>	



**General**

Product Family	PCB Headers
Series	<a href="#">503821</a>
Application	Board-to-Board
Overview	<u>Array-Beam™ High-Density Board-to-Board Connector System</u>
Product Name	Array-Beam™
UPC	887191055657

**Physical**

Breakaway	No
Circuits (Loaded)	528
Circuits (maximum)	528
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	No
Glow-Wire Compliant	No
Mated Height	4.00mm
Material - Metal	Copper
Material - Plating Mating	Gold
Net Weight	2954.620/mg
Number of Rows	12
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	2A
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**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-503825-001
Packaging Specification	SPK-503821-001
Product Specification	PS-503825-001
Sales Drawing	SD-503821-002, SD-503821-003

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



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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**

[503821Series](#)

**Mates With**

[503825 Array-Beam™ Receptacle](#)