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Part Number: [503825-5281](#)
Status: **Active**
Overview: Array-Beam™ High-Density Board-to-Board Connector System
Description: Array-Beam™ Receptacle, 528 Circuits, 4.00mm Mated Height, Surface Mount, 12 Rows, without Pegs

Documents:

[Drawing \(PDF\)](#) [Packaging Specification SPK-503825-001 \(PDF\)](#)
[Product Specification PS-503825-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Application Specification AS-503825-001 \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	503825
Application	Board-to-Board
Overview	Array-Beam™ High-Density Board-to-Board Connector System
Product Name	Array-Beam™
UPC	887191055473

Physical

Circuits (Loaded)	528
Circuits (maximum)	528
Color - Resin	Black
Durability (mating cycles max)	50
Glow-Wire Compliant	No
Mated Height	4.00mm
Material - Metal	Copper
Material - Plating Mating	Gold
Net Weight	3324.560/mg
Number of Rows	12
Orientation	Vertical
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Polarized to PCB	Yes
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	2A
Voltage - Maximum	200V

Material Info

Reference - Drawing Numbers

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



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
 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

[503825Series](#)

Mates With

[503821 Array-Beam™ Plug](#)