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**Part Number:** **5050701640**  
**Status:** **Active**  
**Overview:** SlimStack™ 0.35mm pitch Board-to-Board Connectors  
**Description:** 0.35mm Pitch SlimStack Armor Board-to-Board Plug Connector, Surface Mount, Dual Row, Vertical, 0.60mm or 0.70mm Stacking Height, 2.00mm Width, 0.25mm Fitting Nail Width, 16 Circuits

**Documents:**

[3D Model](#) [Product Specification 5050660000-003 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">505070</a>
Application	Board-to-Board
Overview	<a href="#">SlimStack™ 0.35mm pitch Board-to-Board Connectors</a>
Product Name	SlimStack
Series Name	SSB6RP, SSB7RP
UPC	889056693783

**Physical**

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Mated Height	0.60mm, 0.70mm
Mated Width	2.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Gold over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	4.829/mg
Number of Rows	2
Orientation	Vertical
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.35mm
Plating min - Mating	0.102µm
Plating min - Termination	0.051µm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-40° to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	0.3A
Voltage - Maximum	50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Product Specification	5050660000-003
Sales Drawing	5050700000-002, 5050701000-002



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[505070](#) Series

**Mates With**

SlimStack Armor Receptacle [505066](#) ,  
[505270](#)

This document was generated on 08/20/2018

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