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**Part Number:** **5008100000**  
**Status:** **Active**  
**Overview:** Mini-HMC Rectangular Industrial Connector System  
**Description:** Mini-HMC Shielded I/O Plug Shell, 40 Circuits, 8 Rows, Polarizing Key Type A

**Documents:**

3D Model Application Specification AS-500811-001-001 (PDF)  
Drawing (PDF) RoHS Certificate of Compliance (PDF)  
Product Specification PS-500810-001-001 (PDF)

**General**

Product Family	I/O Connectors
Series	<u>500810</u>
Application	Panel-Mount, Wire-to-Wire
Component Type	Panel Mount Shell
Overview	<u>Mini-HMC Rectangular Industrial Connector System</u>
Product Name	Mini-HMC
Type	N/A
UPC	756054862582

**Physical**

Circuits (Loaded)	40
Circuits (maximum)	40
Durability (mating cycles max)	50
Gender	Plug
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Copper
Material - Resin	Polyester
Net Weight	26874.500/mg
Orientation	Vertical
PCB Locator	No
Packaging Type	Tray
Panel Mount	Screws
Pitch - Mating Interface	N/A
Plating min - Mating	0.508µm
Plating min - Termination	0.508µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No

**Electrical**

Current - Maximum per Contact	1.5A, 2.5A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	250V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-500811-001-001
Product Specification	PS-500810-001-001
Sales Drawing	SD-500810-001



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(b)-II**

**REACH SVHC**

Not Contained Per - ED/108/2014 (17 Dec 2014)

**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	50 Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

500810 Series

**Mates With**

Mini-HMC Shielded Panel-Mount I/O Receptacle Shell 500809-0000

**Use With**

500811-0010 Cover, 500812-1000 Plug Housing, 56118 Plug Terminal, 56119 Plug Terminal

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