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**Part Number:** **5008100010**  
**Status:** **Active**  
**Overview:** Mini-HMC™ Rectangular Industrial Connector System  
**Description:** Mini-HMC™ Shielded I/O Plug Shell, 40 Circuits, 8 Rows, Polarizing Key Type B

**Documents:**

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

**General**

Product Family	I/O Connectors
Series	500810
Application	Panel-Mount, Wire-to-Wire
Component Type	Panel Mount Shell
Overview	Mini-HMC™ Rectangular Industrial Connector System
Product Name	Mini-HMC™
Type	N/A
UPC	756054862599

**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
Product Specification	PS-500810-001, RPS-500810-001
Sales Drawing	SD-500810-001



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2014 December 17): No

**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

China RoHS  
Not Relevant  
Not Relevant

**Search Parts in this Series**

500810 Series

**Mates With**

Mini-HMC™ Shielded Panel-Mount I/O Receptacle Shell [500809-0010](#)

**Use With**

[500811-0010](#) Cover, [500812-1000](#) Plug Housing, [56118](#) Plug Terminal, [56119](#) Plug Terminal

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