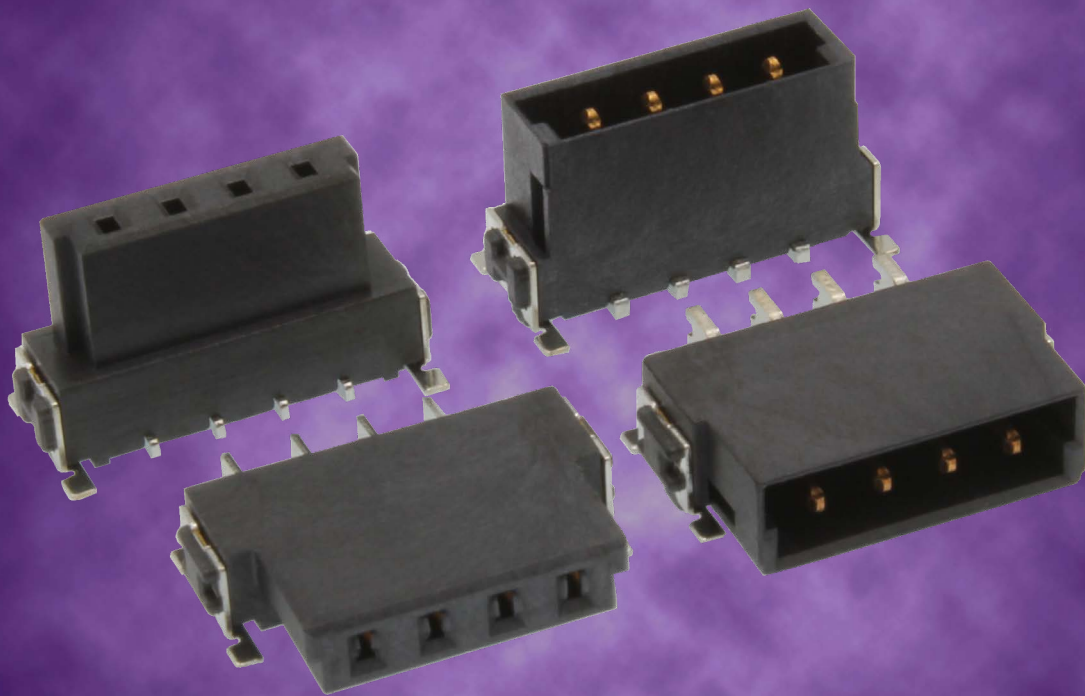


ADAME TECH



ESMC BOARD-TO-BOARD
POWER CONNECTORS

ESMC Board-to-Board Power Connectors

Adam Tech's ESMC Power Series delivers dependable, high-power board-to-board connectivity in a compact 2.54mm pitch design, engineered for demanding power applications. This stacking and coplanar connector family is available in 2 to 12 positions, with each precision-formed contact supporting up to 24A for stable, high-current transmission. Featuring selective gold plating and a robust terminal structure, the ESMC series ensures excellent conductivity, mechanical strength, and long-term reliability. Flexible parallel, perpendicular, and side-by-side PCB configurations, along with vertical or right angle orientations and SMT or DIP mounting options, simplify layout and integration while supporting efficient automated assembly through plug and socket options, pick-and-place caps, and tape-and-reel packaging.

FEATURES:

- Supports high current transmission up to 24A per pin
- Robust terminal structure ensures mechanical strength and stable conductivity
- Board-to-board connections
- .100" [2.54mm] pitch
- 2-12 positions
- Parallel, perpendicular, and side-by-side PCB connection arrangements
- High-reliability, precision-formed contact design
- High temperature thermoplastic insulator
- Operating temperature: -55°C to +125°C
- UL certified
- RoHS compliant

APPLICATIONS:

- Computers
- Telecommunications
- Industrial control systems
- Medical devices
- Automotive
- Power supplier
- Embedded systems

SPECIFICATIONS:

Material:

Insulator: High temp thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Copper alloy

Plating:

Gold flash over nickel underplate on contact area

Tin over nickel underplate on solder tails

Electrical:

Current rating: 24 A max (single contact)

Contact resistance: 10 mΩ max

Insulation resistance: 10,000 MΩ min

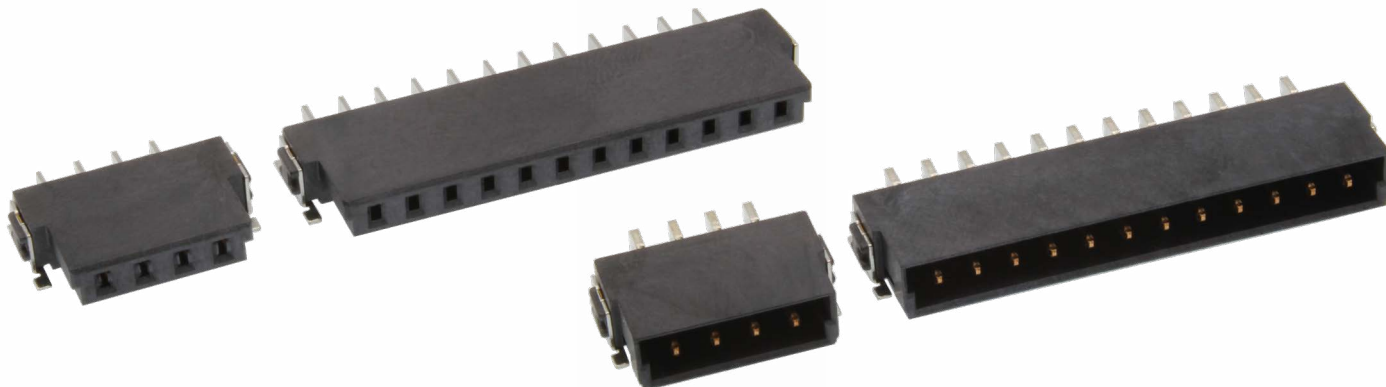
Withstanding voltage: 1390 VAC for 1 minute

Temperature Rating:

Operating temperature: -55°C to +125°C

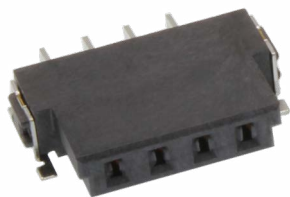
Environmental:

Lead free, RoHS compliant



ESMC11-XX-20D1

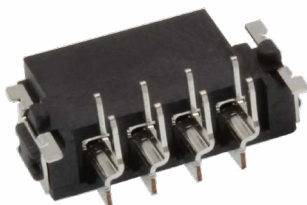
Right Angle Socket
Surface Mount



[View Datasheet](#)

ESMC11D-XX-20F1

Right Angle Socket
DIP



[View Datasheet](#)

ESMC12-XX-20A2

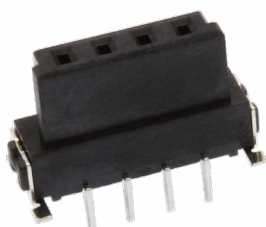
Vertical Socket
Surface Mount
Pick and Place Cap



[View Datasheet](#)

ESMC12D-XX-20C2

Vertical Socket
DIP
Pick and Place Cap



[View Datasheet](#)

ESMC13-XX-20D1

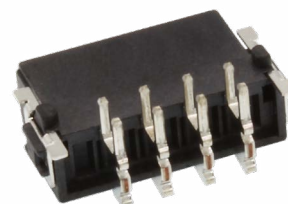
Right Angle Plug
Surface Mount



[View Datasheet](#)

ESMC13D-XX-20F1

Right Angle Plug
DIP



[View Datasheet](#)

ESMC14-XX-20A2

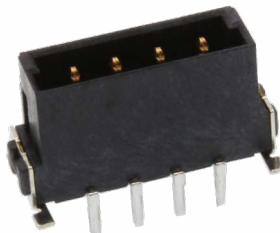
Vertical Plug
Surface Mount
Pick and Place Cap



[View Datasheet](#)

ESMC14D-XX-20C2

Vertical Plug
DIP
Pick and Place Cap



[View Datasheet](#)



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code to reach our website
inquiry form.

adam-tech.com

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