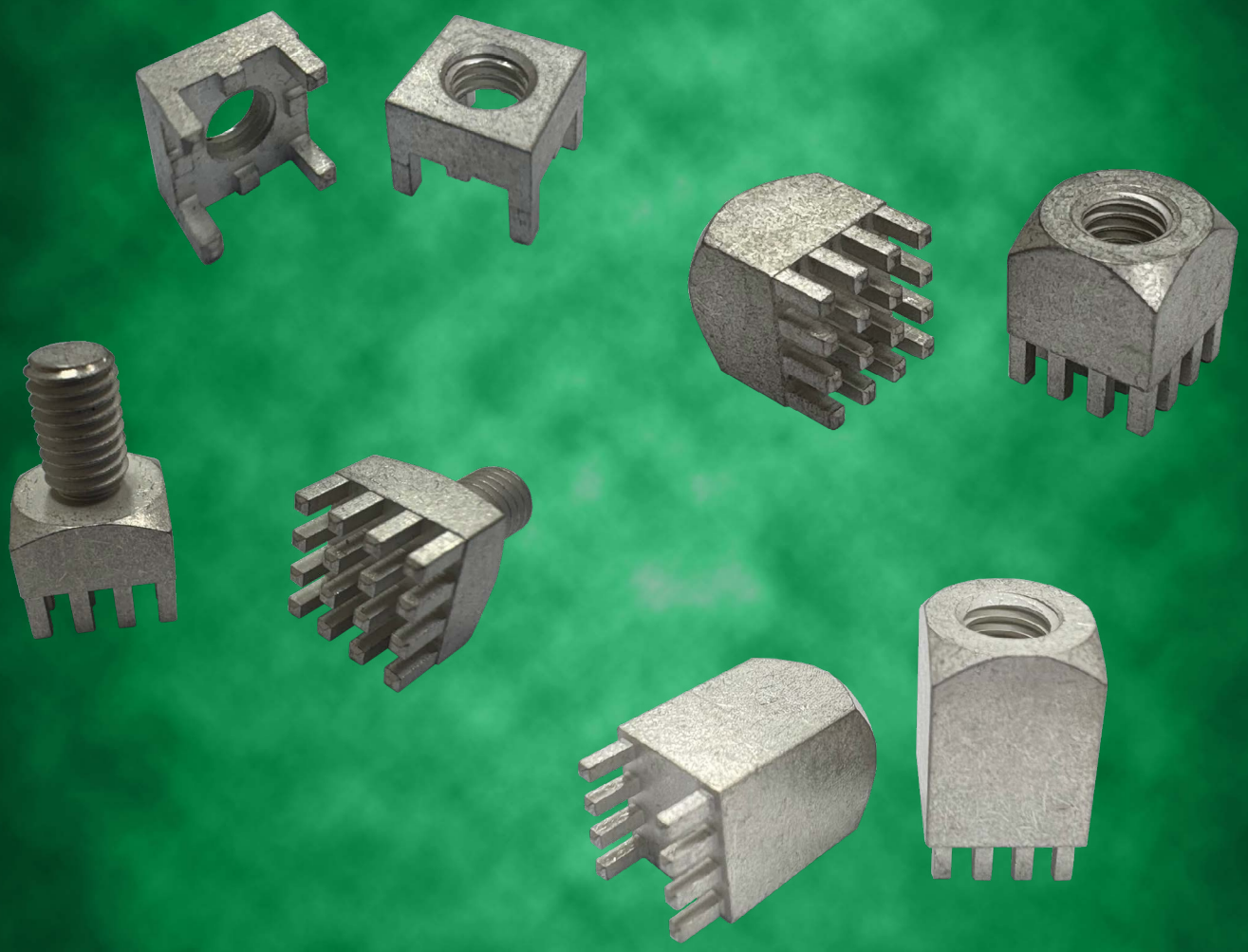
ADAM TECH



HIGH CURRENT TERMINALS (HCT SERIES)

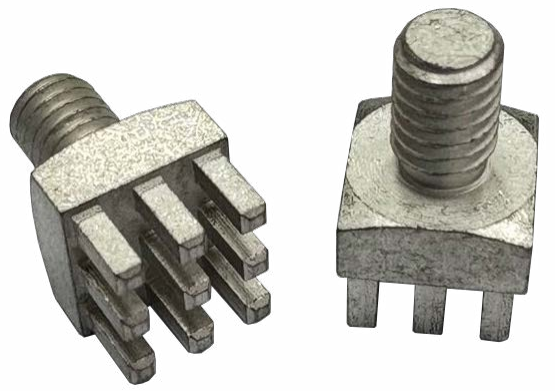
High Current Terminals

HCT Series

Adam Tech's High Current Terminals deliver dependable, high-current electrical connections between wires and PCBs, with versatile press-fit and through-hole mounting options to accommodate a wide range of power applications. Manufactured from C3604 brass and phosphor bronze, these rugged terminals feature matte tin and tin plating for excellent corrosion resistance and optimal conductivity. Engineered to support currents of up to 250A, they are ideal for use on thick, high-copper PCBs, offering gas-tight, mechanically secure connections without the need for thermal processing, eliminating concerns like cold solder joints while significantly enhancing long-term reliability. Their robust design enables double-sided PCB mounting and compact, high-density layouts, making them an excellent choice for demanding applications in industrial, automotive, and power electronics. Available in M3, M4, M5, and M6 screw sizes, these terminals offer the flexibility and strength needed for today's most power-intensive designs.

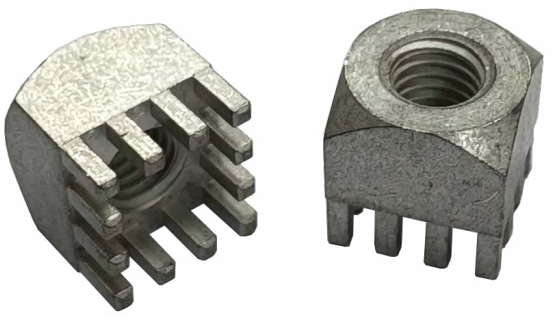
Features and Benefits:

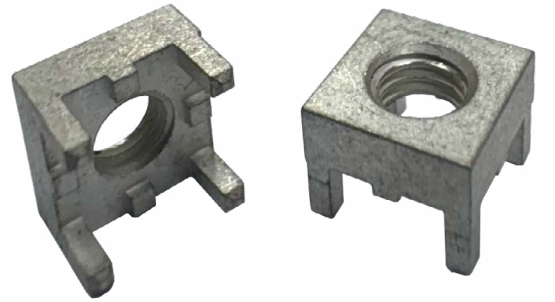
- Available in M3, M4, M5, and M6 screw sizes
- Internal and external thread options
- Made from C3604 brass or phosphor bronze
- Matte tin or tin-plated for corrosion resistance and conductivity
- Rated for currents up to 250A
- Tightening torque options: 0.5N 1.2N, 2.2N, or 3.9N
- Insertion force: 40N per pin
- Withdrawal force: 30N per pin



Applications:

- Power supply units
- Battery management systems
- Electric vehicles and hybrids
- Motor drives and controllers
- Industrial automation
- Solar and energy storage systems
- UPS and backup power
- Telecom power distribution





HCT-A-P06-IT-M4

M4 Screw Size, Internal Thread
Phosphor Bronze, 40A

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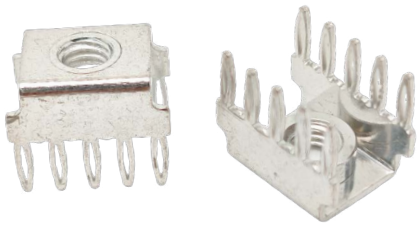
HCT-A-P10-IT-M4

M4 Screw Size, Internal Thread
Phosphor Bronze, 50A



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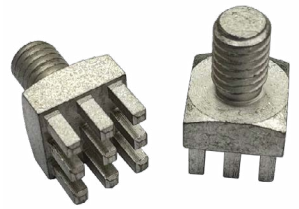
HCT-P-ET-M4-A

M4 Screw Size, External Thread
C3604 Brass, 130A



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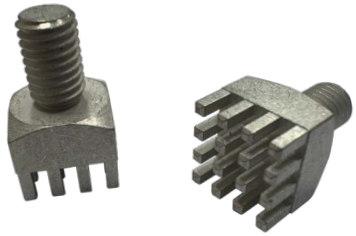
HCT-P-ET-M5-A

M5 Screw Size, External Thread
C3604 Brass, 180A



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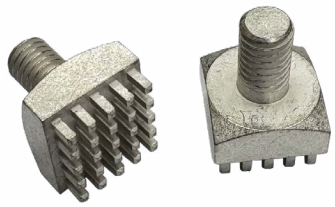
HCT-P-ET-M6-A

M6 Screw Size, External Thread
C3604 Brass, 250A



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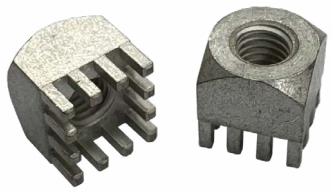
HCT-P-ITC-M5-A

M5 Screw Size, Internal Thread
C3604 Brass, 175A



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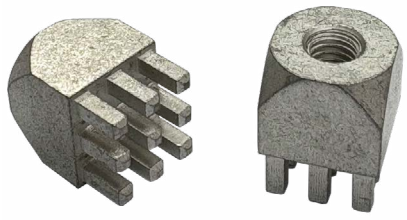
HCT-P-ITF-M3-A

M3 Screw Size, Internal Thread
C3604 Brass, 130A



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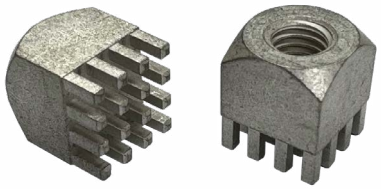
HCT-P-ITF-M5-A

M5 Screw Size, Internal Thread
C3604 Brass, 180A



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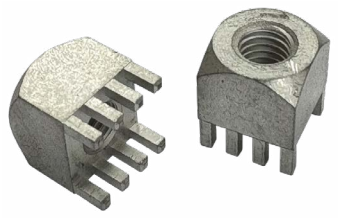
HCT-P-IT-M5-A

M5 Screw Size, Internal Thread
C3604 Brass, 160A



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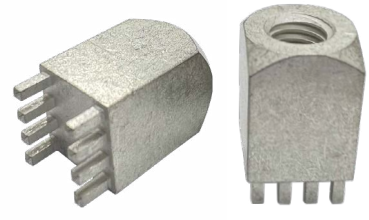
HCT-P-IT-M6-A

M6 Screw Size, Internal Thread
C3604 Brass, 160A



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HCT-S-IT-M5-A-R

M5 Screw Size, Internal Thread
C3604 Brass, 70A

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HCT-T-ET-M5-A-R

M5 Screw Size, External Thread
C3604 Brass, 85A

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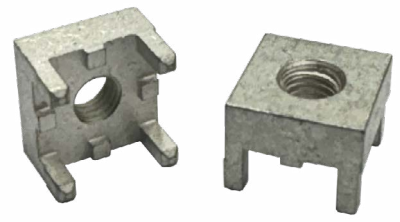
HCT-T-IT-M3-A-R

M3 Screw Size, Internal Thread
C3604 Brass, 50A



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HCT-T-IT-M4-A-R

M4 Screw Size, Internal Thread
C3604 Brass, 50A

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To contact us, scan the QR code to reach our website inquiry form.

adam-tech.com

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