

ADAME TECH



TRANSPORTATION

CONNECTING POWER, DATA & MOTION ACROSS THE TRANSPORTATION ECOSYSTEM



Adam Tech is proud to support the global transportation industry with a comprehensive portfolio of high-performance interconnect solutions engineered for safety, reliability, and precision. From passenger vehicles and commercial transportation to off-highway equipment, rail systems, recreational vehicles, and agricultural machinery, our components are built to withstand the demanding environments of modern transportation applications.

Our products span critical power and signal connectors, high-speed data interfaces, ruggedized cable assemblies, and custom-engineered solutions, each designed to deliver dependable performance under vibration, temperature extremes, and harsh operating conditions. Certified to IATF 16949 and ISO 9001, Adam Tech provides the quality, consistency, and scalability required by OEMs and Tier 1 suppliers worldwide. With advanced automation, a global manufacturing footprint, and a steadfast commitment to environmental and product safety standards, we empower engineers to build the next generation of connected, efficient, and sustainable mobility solutions. In this brochure, you'll discover the breadth of Adam Tech's transportation solutions for automotive, off-highway equipment, rail and mass transit, recreational vehicles, and agricultural machinery.



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Adam Tech - Custom Solution Experts

Our technical expertise, enthusiasm for solving complex challenges, and unwavering commitment to customer satisfaction have established custom solutions as a core strength of Adam Tech. We are consistently recognized by our customers as one of the most responsive and capable partners for custom and modified solutions.



40 YEAR EXPERIENCE

Over 40 years of expertise delivering reliable interconnect solutions across automotive, industrial, and advanced electronics applications.



ENGINEERED FOR EXCELLENCE

Professional engineering and quality-driven, Adam Tech delivers reliable, high-performance interconnect solutions for automotive applications.



1000+ SUCCESSFUL DESIGNS

A trusted partner for custom solutions, with proven capabilities refined through thousands of successful application-specific designs.

Certifications

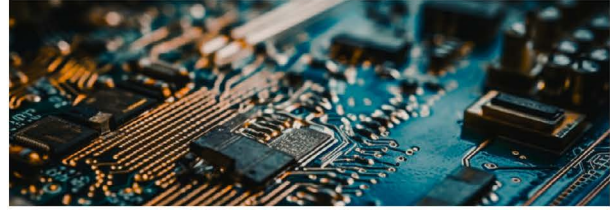
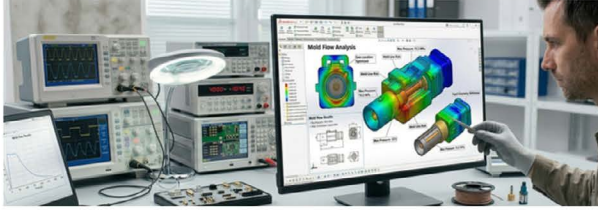
The pinnacle of Adam Tech's standards is quality. Adam Tech maintains the most stringent quality and compliance standards to support the most demanding industries. Our production facilities feature the following:

- IATF 16949 (Automotive)
- ISO 13485 (Medical)
- ISO 9001:15 (Quality Systems)
- ISO 45001:18 (Occupational Health & Safety)
- ISO 14001:15 (Environmental Management)
- RoHS compliant (no exceptions)
- REACH compliant (no exceptions)
- UL, VDE, CE (as applicable)



Integrated Design & Manufacturing Expertise

Delivering seamless integration from concept to mass production through advanced engineering and manufacturing capabilities.



Concept & Innovation

- Customer Requirements
- Analysis & Concept Definition
- IP & Patent Research (WISPRO)
- Simulation & Feasibility Validation
- Cost-Optimized Design Strategy

Engineering Design

- Material & Component Engineering
- 2D / 3D Design & Modeling
- Rapid Prototyping
- Design Verification & Validation
- DFM / DFMEA Implementation
- Value Engineering (VA/VE)
- Supporting Capabilities:
 - Signal Integrity (SI)
 - Optical Design
 - Waterproof Sealing
 - Thermal Management
 - EMI Shielding

Manufacturing Excellence

- Manufacturing Process Design & Flow Planning
- Equipment Selection & Tooling Development
- Core In-House Processes: (Stamping, Injection Molding, Die Casting)
- Production Line Setup & Automation
- PFMEA & Control Plan Implementation
- Dedicated Automation Engineering Team

Quality Assurance

- Mechanical, Electrical, Signal Environmental Testing
- 100% In-Line Optical Inspection
- Automated Tape & Reel Packaging
- Reliability & Compliance Verification

Benefits and Support

Extensive Product Portfolio & Competitive Pricing

- Highly competitive pricing with consistent value and performance
- Broad portfolio supporting collaborative design optimization
- Flexible minimum order quantities (MOQs)
- Comprehensive coverage across applications

Custom Design & Engineering Solutions

- Customer-specific tooling development
- Solutions tailored to your application
- Cost-effective design proposals
- Concept and prototype support
- Full design-in and development support

Agile Supply Chain & Short Lead Times

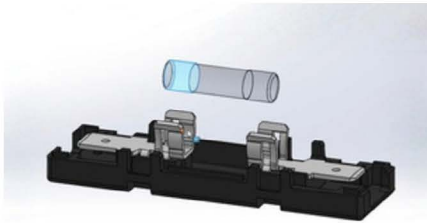
- Vertically integrated for speed and control
- Regional support across Americas, Europe, and Asia
- Strong distribution network for availability

Responsive & Global Customer Support

- Fast response and sample turnaround
- Flexible, customer-aligned processes
- 24/7 global sales and engineering support



Custom Product Development



APQP / Project Planning

Overall quality and development framework establishment

- APQP (Advanced Product Quality Planning)
- P-FMEA (Process Failure Mode & Effects Analysis)
- Establish project quality and risk strategy
- Define development phases and key delivery milestones

Project Communication & Early Involvement

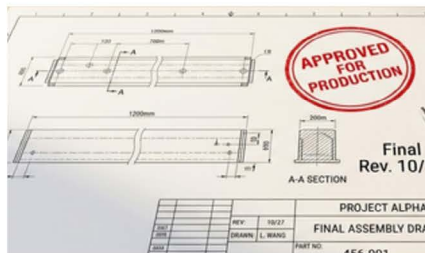
Early-stage communication and requirement integration

- Capture customer requirements
- Specification confirmation
- Preliminary drawing review
- Quality requirements definition
- Business terms alignment
- Establish cross-functional communication mechanism

DFM → EVT → DVT Integrated Validation Flow

A continuous development process that ensures manufacturability from the design stage through functional, electrical, and compliance validation

- DFM: Manufacturability, cost, and process optimization (early alignment between design and manufacturing)
- EVT: Prototype development and basic functional/electrical validation (initial design verification and issue correction)
- DVT: Full electrical and standards compliance validation (final confirmation of design stability)



PVT (Production Validation)

- PVT (Production Validation Test)
- Pilot production run
- Manufacturing process stability validation
- Mass production consistency verification

Customer Approval

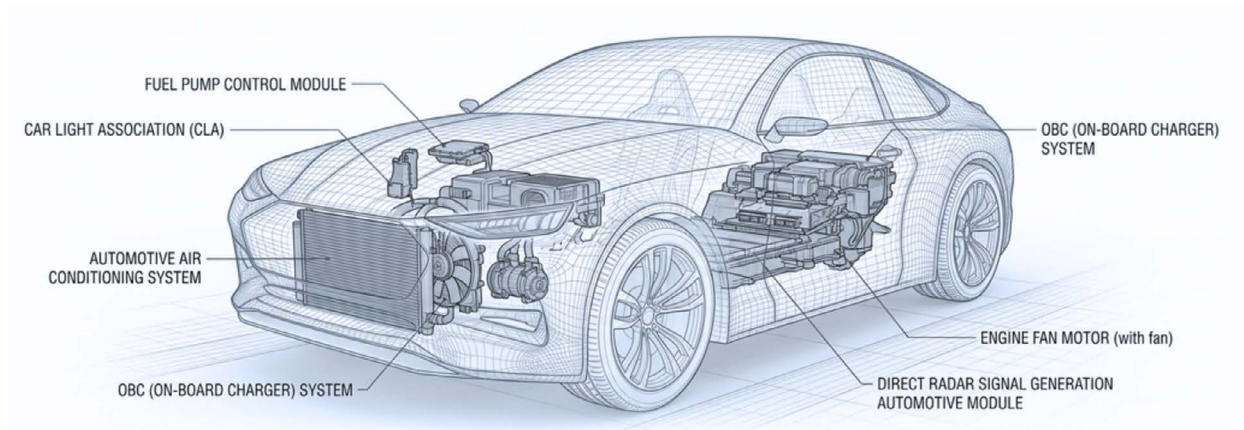
- PPAP (Production Part Approval Process)
- Final customer approval

Project Closure/ EOL

- EOL (End-of-Life) management
- Joint project review
- Feedback loop and lessons learned
- Input for next-generation product development

Automotive Custom Solutions

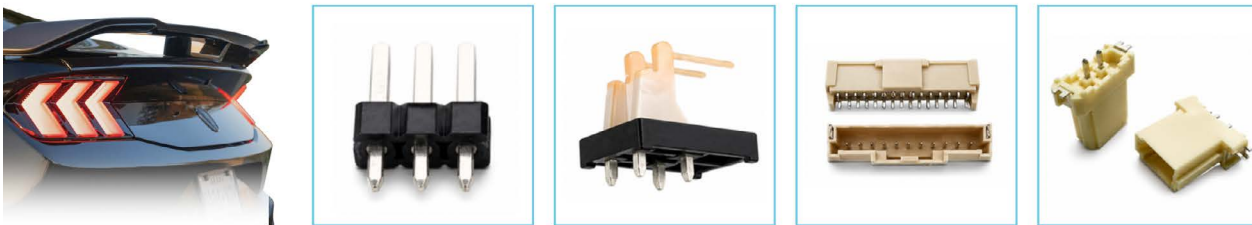
With extensive customization experience and integrated engineering capabilities, we provide flexible and highly reliable interconnect solutions tailored to diverse automotive application requirements. From connectors and wire harnesses to various module integrations, all solutions can be custom-developed according to customer specifications, supporting a wide range of designs, processes, and application needs.



Fuel Pump Control Module



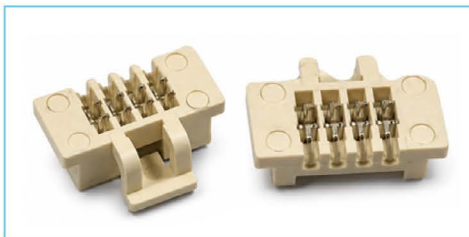
Car Light Association



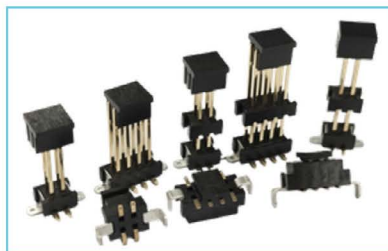
Automotive Air Conditioning



Fan Control Module



OBC System



Motor



Scroll Compressors



Electric Power Steering System



Other Automotive Custom Connectors



Agriculture



Recreational Vehicle (RV)



Marine



Automotive

Driving Innovation with Reliable Connections for the Road Ahead.

Adam Tech offers a comprehensive portfolio of interconnect and thermal solutions engineered to meet the evolving demands of today's automotive landscape. From FAKRA and high-speed data connectors to USB interfaces and heat-management solutions, our components support the performance, safety, and reliability required for advanced vehicle systems. Certified to IATF 16949, we deliver the consistency and precision essential to modern automotive design and manufacturing, helping drive the future of connected, efficient, and safe mobility.



Highlighted Products:



FAKRA

- Advanced Driver Assistance Systems (ADAS)
- 4k surround and backup cameras
- High resolution displays
- Radar sensors
- Remote start and keyless entry
- Infotainment systems
- 3D instrument clusters
- GPS navigation
- Satellite radio



HT-X (High Speed Modular Twisted-Pair Data)

- Advanced Driver Assistance Systems (ADAS)
- 4k camera systems
- High resolution displays
- Infotainment and multimedia systems



ESMC Board-To-Board Connectors

- Infotainment and display modules
- Instrument clusters and HMIs
- Engine and body control units (ECUs/BCMs)
- ADAS modules
- Lighting and power control modules



USB (HSecurLinC and more)

- Infotainment connectivity
- Device charging
- Software updates and data transfer



Secur-Seal Wire-to-Wire Connectors

- Exterior lighting
- Blind-spot detection sensors
- Engine components
- Safety systems (airbags, ABS)
- Power windows and seat controls



HCT (High-Current Terminals)

- Battery and power distribution
- Power distribution units (PDUs)
- Onboard chargers
- Motor drives and inverters
- Energy storage and charging systems

Additional Solutions:

- [M12/M8 Connectors](#)
- [Switches](#)
- [Modular Jacks](#)
- [Wire-to-Board Power Connectors](#)
- [Energy Storage Connectors](#)
- [AC-DC/DC-DC Converters](#)
- [Power Line Filters](#)
- [Board Level Heat Sinks](#)

Non-Automotive Transportation

Powering Performance and Connectivity Across Every Terrain.

Adam Tech delivers rugged interconnect and thermal-management solutions engineered for the demanding environments of powersports and recreational vehicles. From FAKRA and USB connectivity for infotainment, navigation, and communications to Secur-Seal Wire-to-Wire Connectors and ESMC Board-to-Board Stacking Connectors that support lighting, safety systems, and engine control, our products ensure reliable performance across rough terrain and extreme conditions. With durable construction, precision manufacturing, and advanced materials, Adam Tech provides the connectivity, power, and protection that keep ATVs, motorcycles, golf carts, marine vehicles, and small EVs operating safely and efficiently on the road, trail, or water.



Highlighted Products:



Secur-Seal Wire-to-Wire Connectors

- Protection against moisture, dust, and vibration
- Exterior and auxiliary lighting
- Engine components
- Sensors and control modules



FAKRA

- GPS navigation
- Satellite radio and marine audio
- Mobile communications and tracking systems
- Antenna connections
- Bluetooth and wireless connectivity



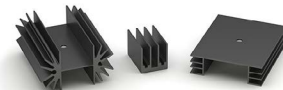
ESMC Board-to-Board Connectors

- Infotainment and display modules
- Engine Control Units (ECUs)
- Lighting and indicators
- Battery Management Systems (BMS)
- Instrumentation clusters



USB (HSecurLinC and more)

- Infotainment connectivity
- Device charging
- Firmware and software updates



Board Level Heat Sinks

- Thermal control for sensitive electronics
- LED lighting systems
- ECUs and ignition modules
- Power modules
- Batteries and charging components
- Audio and stereo systems
- Voltage regulators and diodes



Wire-to-Board Power Connectors

- Power delivery to motor controllers
- Vehicle and dash lighting
- User interface and control modules
- Sensors
- Auxiliary and accessory power

Additional Solutions:

- [HCT \(High-Current Terminals\)](#)
- [Energy Storage Connectors](#)
- [M12/M8 Connectors](#)
- [AC-DC/DC-DC Converters](#)
- [Switches](#)
- [Power Line Filters](#)

Rail & Mass Transit

Keeping Transit Connected, Efficient, and On Track.

Adam Tech provides advanced interconnect, thermal management, and sealing solutions designed to meet the rigorous demands of modern rail and mass transit systems. From high-speed data and power connections supporting Train Control and Monitoring Systems (TCMS), signaling, and passenger information networks, to durable, environmentally sealed components that ensure reliability in harsh operating conditions, our products are engineered for long-term performance and safety. With proven solutions including M12, DIN 41612, and Board Level Heat Sinks, Adam Tech helps enable efficient communication, control, and passenger comfort across today's connected rail infrastructure. Through precision engineering and robust design, we keep rail systems running safely, reliably, and efficiently, mile after mile.



Highlighted Products:



M12 Connectors

- Passenger Information Systems (PIS)
- Surveillance and security systems
- Train Control and Monitoring Systems (TCMS)
- Networking and communications
- Remote diagnostics



Secur-Seal Wire-to-Wire Connectors

- Environmental sealing
- Power distribution modules
- Infotainment and control systems
- Under-carriage electronics
- Lighting and signaling components



Board Level Heat Sinks

- Thermal management for sensitive rail electronics
- Braking and traction control systems
- ECUs and communication equipment
- Signaling assemblies
- HVAC, comfort, and display systems



DIN 41612 Connectors

- Train Control and Monitoring Systems (TCMS)
- Signaling and wayside communication
- Power and data distribution
- Onboard infotainment



Energy Storage Connectors

- Onboard battery energy storage
- Auxiliary power units (APUs)
- Regenerative braking systems
- Traction power distribution
- Backup and emergency power



Wire-to-Board Power Connectors

- Braking and traction subsystems
- Lighting and controls
- Communications equipment
- Power supplies and converters
- Signal houses and detection systems

Additional Solutions:

- [USB \(HSecurLinC and more\)](#)
- [AC-DC/DC-DC Converters](#)
- [Euro/Terminal Blocks](#)
- [D-Sub Connectors](#)
- [Switches](#)
- [Power Line Filters](#)
- [Modular Jacks](#)
- [FAKRA](#)
- [ESMC Board-To-Board Connectors](#)

Industrial Equipment

Built to Perform in the Toughest Environments.

Adam Tech delivers rugged, high-performance interconnect and power solutions engineered for the demanding environments of industrial and heavy-equipment applications. From tractors and construction vehicles to agricultural and material-handling machinery, our products support critical systems including control modules, sensors, power distribution, and communication networks. With proven technologies such as M12 Connectors for reliable signal and data transmission, Secur-Seal Wire-to-Wire Connectors for environmental protection, and advanced Board Level Heat Sinks and AC-DC/DC-DC Converters for efficient thermal and power management, Adam Tech ensures consistent performance under vibration, moisture, and extreme temperatures. Built for durability and precision, our solutions keep industrial equipment operating safely, efficiently, and productively day after day, job after job.



Highlighted Products:



M12 Connectors

- Sensors and actuators
- Industrial ethernet and communication networks
- Power and signal transmission



Secur-Seal Wire-to-Wire Connectors

- Protect against moisture, dust, and vibration
- Power and signal transmission
- Sensors and actuators
- Hydraulic pump and control housing interfaces



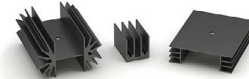
Energy Storage Connectors

- Battery packs and energy storage
- Electric and hybrid vehicles
- Power distribution units (PDUs)
- Motor drives and inverters
- Backup and UPS systems
- Electrified tools and machinery



AC-DC/DC-DC Converters

- Control module power
- Lighting, displays, and operator interfaces
- Industrial control and automation equipment



Board Level Heat Sinks

- Cooling for sensitive electronics
- Motor controllers and drives
- Electric motors and inverters
- Automation controllers
- Cooling and HVAC systems



Wire-to-Board Power Connectors

- Control-module power
- Motor and drive systems
- Sensor and actuator interfaces
- Lighting, displays, operator modules
- Hydraulic/pneumatic systems
- Engine and motor power distribution
- Engine, motor, and auxiliary power

Additional Solutions:

- [FAKRA](#)
- [ESMC Board-To-Board Connectors](#)
- [HCT \(High Current Terminals\)](#)
- [Switches](#)
- [Power Line Filters](#)
- [Modular Jacks](#)
- [USB \(HSecurLinC and more\)](#)
- [D-Sub Connectors](#)

Agriculture

Cultivating Smarter, More Connected Farms for the Future.

Adam Tech delivers reliable, high-performance interconnect, power, and thermal-management solutions engineered for the evolving world of smart and sustainable agriculture. From precision farming equipment and autonomous tractors to automated greenhouses and environmental monitoring systems, our products support critical applications that drive productivity and efficiency in the field. With proven technologies including M12/M8 Connectors for data and sensor integration, AC-DC/DC-DC Converters for renewable-energy and power control, and Secur-Seal Wire-to-Wire Connectors for durability in harsh outdoor environments, Adam Tech ensures consistent performance across demanding agricultural operations. Through innovation, rugged design, and precision engineering, we help cultivate smarter, more connected, and more efficient farms season after season.



Highlighted Products:



M12/M8 Connectors

- Soil and climate sensors
- Field equipment interfaces
- Greenhouse automation
- Robotic systems / AGVs
- Actuators and controls
- Distributed modules



AC-DC/DC-DC Converters

- Power for motors and pumps
- Solar/wind energy conversion
- Greenhouse control systems
- Livestock and environmental monitoring
- Distributed sensor networks



Energy Storage Connectors

- Equipment battery systems
- Autonomous machinery energy storage
- Electric motors and drives
- Field equipment power distribution
- Renewable energy storage
- Backup power and monitoring



Wire-to-Board Power Connectors

- Connections to seed drills, sprayers, and implements
- Robotics and automated farming systems
- Precision agriculture sensor networks
- Distributed control and monitoring modules



HCT (High-Current Terminals)

- Tractor and harvester power distribution
- Battery and energy storage systems
- Electric motors, pumps, and drives
- Power distribution units (PDUs)
- Electrified implements and attachments
- Irrigation and spraying systems



Secur-Seal Wire-to-Wire Connectors

- Rugged connections in tractors, harvesters, and planters
- Sealing for field sensors, motors, and actuators
- Protection against dust, moisture, mud, and vibration

Additional Solutions:

- [FAKRA](#)
- [USB \(HSecurLinC and more\)](#)
- [ESMC Board-To-Board Connectors](#)
- [Euro/Terminal Blocks](#)
- [Switches](#)
- [Power Line Filters](#)
- [D-Sub Connectors](#)
- [Board Level Heat Sinks](#)

Electric Vehicle Chargers



Adam Tech offers a comprehensive range of EV charging solutions designed to meet the evolving demands of the electric vehicle market. Our standard product lineup includes both AC and DC charging cables. AC Type 1 connectors comply with the SAE J1772 standard, while AC Type 2 and Type 2.1 connectors comply with the IEC 62196 standard. For DC fast charging, our cables feature DC CCS (Combined Charging System) plugs, including CCS Type 1 (based on SAE J1772) and CCS Type 2 (based on IEC 62196). All standard EV charging products are TUV and UL safety certified, ensuring durability, efficiency, and long-term reliability.

At the forefront of our offering is Adam Tech's line of North American Charging Standard (NACS) EV charging cables and portable chargers. Engineered for rugged performance and full compliance with UL 2251, SAE J3400, and IATF 16949 standards, our NACS products are built to support North America's rapidly expanding EV infrastructure. Portable NACS chargers further enhance convenience with adjustable amperage settings and compatibility with NEMA 5-15P, 6-20P, 14-50P, and CEE32 outlets. With a focus on safety, quality, and user flexibility, Adam Tech also offers a variety of customizable options, including cable lengths, to meet diverse customer needs. We are committed to delivering cost-effective, high-performance solutions that power the future of electric mobility.

Adam Tech EV Charger Cables include a charging plug and cable.
Click [here](#) for specifications and datasheets

FEATURES AND BENEFITS:

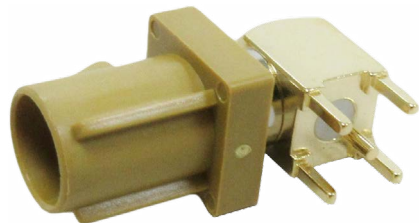
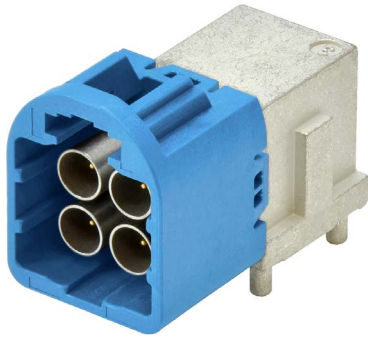
- Charge electric vehicles from a multitude of manufacturers, including Tesla
- Various cable lengths
- AC Type 1 plugs: compliant with the SAE J1772 standard
- AC Type 2 and Type 2.1 plugs: compliant with the IEC 62196 standard
- DC CCS Type 1 plugs: based on the SAE J1772 standard
- DC CCS Type 2 plugs: based on the IEC 62196 standard
- TUV or UL certified
- Highly durable glass reinforced thermoplastic insulator, UL 94V-0 rated
- Ergonomic handle for ease of use
- Waterproof grade (when plugged in): IP54, IP55, or IP67
- Wide range of current and voltage ratings
- High reliability design
- RoHS compliant



Product Offering

EV CHARGER	CURRENT	VOLTAGE	PHASE	PLUG SAFETY CERTIFICATION	WATERPROOF IP RATING (MATED)	IMAGE
AC SAE J1772 TYPE 1 FEMALE PLUGS	16, 32, 40, or 48A	240VAC	1	UL	IP54	
AC IEC 62196 TYPE 2 FEMALE PLUGS	16 or 32A	250 or 480VAC	1 or 3	TUV	IP54 or IP55	
AC IEC 62196 TYPE 2 MALE PLUGS	16 or 32A	250 or 480VAC	1 or 3	TUV	IP54 or IP55	
AC IEC 62196 TYPE 2.1 FEMALE PLUGS	16 or 32A	250 or 480VAC	1 or 3	TUV	IP55	
AC IEC 62196 TYPE 2.1 MALE PLUGS	16 or 32A	250 or 480VAC	1 or 3	TUV	IP55	
DC CCS SAE J1772 TYPE 1 FEMALE PLUGS	60, 80, 125, 150, or 200A	1000VDC	N/A	UL	IP54	
DC CCS IEC 62196 TYPE 2 FEMALE PLUGS	32, 40, 50, 60, 80, 125, 150, 200, 250, 300, 350, or 375A	1000VDC	N/A	TUV	IP54 or IP55	
NACS SAE J3400 AC CHARGERS	16, 32, 40, or 48A	240VAC	N/A	UL	IP67	
NACS SAE J3400 PORTABLE AC CHARGERS (NEMA 5-15P, 6-20P, 14-50P, OR CE332 PLUG)	8A/10A/13A/16A, 16A/20A/24A/32A, or 16A/24A/32A/40A (Adjustable)	240VAC	N/A	UL	IP67	

Click EV Charger title or image to view product offering.



FAKRA Series

Adam Tech's FAKRA series is composed of various generations of the FAKRA (Fachkreis Automobile) standard, including High Speed Data and Mini FAKRA. Each FAKRA connector is embedded within a special color-code plastic housing that contains a locking feature with an audible clicking noise, which confirms the connection. These connectors are used for both board and cable mounting, with a variety of cable assemblies available. All Adam Tech FAKRA products are RoHS compliant.

Series Outline:

- High Speed Mini FAKRA (AM and BM)
- High Speed Data FAKRA
- Waterproof FAKRA Cable Assemblies
- Standard FAKRA

Code (X)	Applications	Color/RAL	
A	Radio without phantom supply	Jet Black / 9005	
B	Radio with phantom supply	Cream White / 9001	
C	GPS: telematics or navigation	Signal Blue / 5005	
D	GSM	Claret Violet / 4004	
E	TV1 / SDARS	Leaf Green / 6002	
F	TV2 / SDARS	Nut Brown / 8011	
G	Remote keyless entry	Blue Gray / 7031	
H	GPS: telematics and navigation	Heather Violet / 4003	
J	Bluetooth / controlled parking / heating	Beige / 1001	
K	Radio with IF	Curry / 1027	
L	Not defined	Yellow Green / 6018	
M	Not defined	Pastel Orange / 2003	
O	Not defined	Light Green / 6027	
Z	Neutral coding	Water Blue / 5021	



High Speed Mini FAKRA



Adam Tech's FAKRA series is headlined by High Speed Mini FAKRA Connectors and Cable Assemblies. These products support data transmission rates up to 20 Gbps, and frequencies up to 9 GHz. Designed with space saving in mind, they require 80% less installation space than standard FAKRAs. Adam Tech's offering is composed of two styles: AM and BM. Between the two styles a variety of color-coded connectors and cable assemblies are available, including board side plugs, double-ended mini FAKRA jack cable assemblies, mini FAKRA to SMA cable assemblies, Mini FAKRA +MQS, and waterproof options. Mini FAKRA to standard FAKRA cable assemblies are also available, bridging the gap between the two generations.

APPLICATIONS:

- Automotive
- Autonomous driving (ADAS)
- 4k 360° surround cameras
- 4k high resolution displays
- Sensors
- Remote start and keyless entry
- Infotainment systems
- 3D instrument clusters
- GPS
- Satellite radios



FEATURES AND BENEFITS:

- High speed data transmission rates up to 20 Gbps
- Frequency: DC up to 9.0 GHz
- 1x1, 1x2, and 2x2 plugs and jacks
- Color coded mechanical layouts
- Space saving design
- Waterproof options (IP67 and IP69K)
- Mini FAKRA cable to board connection system
- Mini FAKRA +MQS 2Pin capabilities
- Mini FAKRA to SMA capabilities
- Mini FAKRA to standard FAKRA capabilities

SPECIFICATIONS:

Material:

Insulator: Thermoplastic
Contacts: Brass
Shell: Zamak, tin plated

Contact Plating:

Contact area: 80 - 160u" silver plated or 6u" gold plated
Solder tails: 80 - 160u" tin plated
Underplate: 40 - 160u" nickel underplate overall

Electrical:

Impedance: 50 Ohm
Frequency: DC to 9 GHz
Return loss: ≥ 25 dB to 3 GHz, ≥ 20 or 17 dB to 6 GHz, ≥ 12 dB to 9 GHz
Insertion loss: ≤ 0.75 dB @ 9 GHz
Insulation resistance: 1000 M Ω

Mechanical:

Mating cycles: 25 cycles minimum
Engagement force: 75N maximum
Disengagement force: 60N minimum

Temperature Rating:

Operating temperature range: -40°C to +105°C



MHSD-01X-AM-PRX-TR
MHSD-04X-AM-PRX-TR



Right Angle PCB Plug
1x1 and 2x2

MHSD-01X-AM-PT-PP-T/R
MHSD-02X-AM-PT-PP-T/R
MHSD-04X-AM-PT-PP-T/R



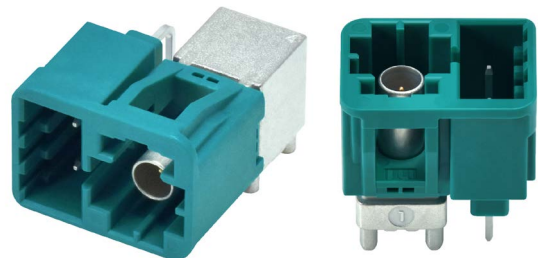
Vertical PCB Plug
1x1, 1x2, and 2x2

MHSD-04X-AM-PT-WP-PP-T/R



IP69K Waterproof Right Angle PCB Plug
2x2

MHSD-01X-AM-PPR-T/R
MHSD-01X-AM-PPT-PP-T/R



Mini FAKRA (1x1) +MQS 2Pin
Right Angle and Vertical PCB Plug

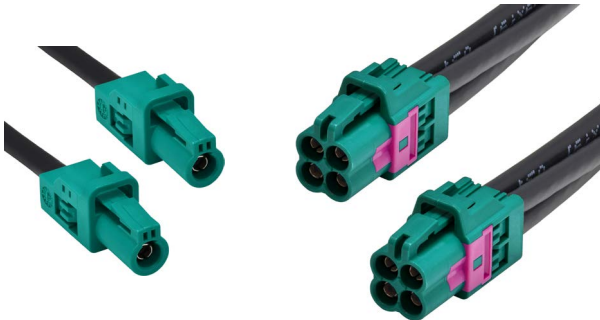
CA-AM04FXP-MHF4-XM-WP



IP67 Waterproof Panel Plug
2x2

[Click part number to view datasheet.](#)

CA-AM01XJ-AM01XJ-XM CA-AM04XJ-AM04XJ-XM



Double Ended Mini FAKRA
Straight Jack Cable
1x1 and 2x2

CA-AM01XJ-1FJX-XM



1x1 Mini FAKRA Straight Jack to
Standard FAKRA Straight Jack Cable

CA-AM04XJ-SMAJ4-XM



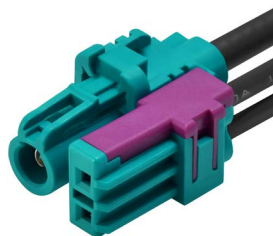
2x2 Mini FAKRA Straight Jack to
4 SMA Straight Jacks Cable

CA-AM04XJ-SMAP4-XM



2x2 Mini FAKRA Straight Jack to
4 SMA Straight Plugs Cable

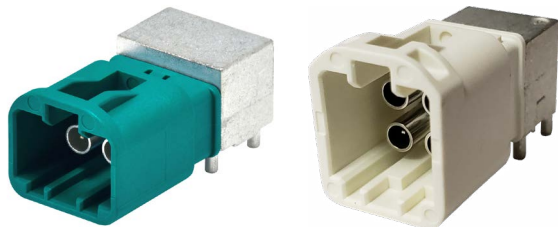
CA-AM01XJ-AM01XJ-MQS2-XM



Double Ended Straight Mini FAKRA Jack (1x1)
+MQS 2Pin Cable

[Click part number to view datasheet.](#)

MHSD-02AX-BM-PRX-T/R
MHSD-04X-BM-PRX-TR



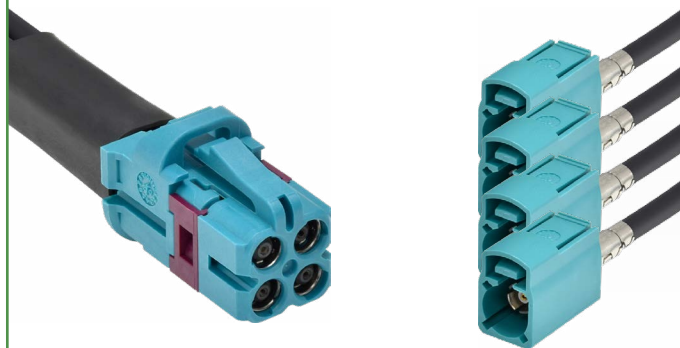
Right Angle PCB Plug
1x2 and 2x2

CA-BM04XJ-BM04XJ-X



Double Ended Mini FAKRA
Straight Jack Cable

CA-BM04XJ-4FJX-X



Mini FAKRA Straight Jack to 4
Standard FAKRA Straight Jacks Cable

CA-BM04XJ-4FPX-0.3



Mini FAKRA Straight Jack to 4
Standard FAKRA Straight Plugs Cable

[Click part number to view datasheet.](#)

High Speed Data FAKRA



Adam Tech's High Speed Data FAKRA series is composed of four position connectors and cables equipped with a 100-ohm impedance controlled system, offering high speeds and top-quality signal transmission. Designed to satisfy RF requirements in various telematic and multimedia applications, these products provide high-performance, cost-effective RF interface to FAKRA and USCAR standards. Their SMB based design includes multiple color-coded plastic housings to ensure accurate connections, as well as to meet automotive specifications. Adam Tech's HSD FAKRA connectors and cables are ideal for automotive applications, meeting the operational and environmental requirements of Satellite Digital Audio Radio Service (SDARS), Global System for Mobile Communications (GSM), and Global Positioning System (GPS).

FEATURES AND BENEFITS:

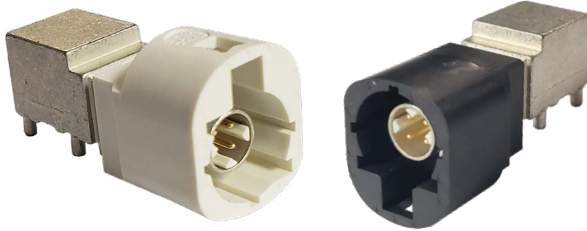
- High speed data transmission rates up to 6 Gbps
- Frequency: DC up to 2.0 GHz
- 100-ohm differential impedance
- 4 pins
- Color-coded mechanical layouts
- Locking feature
- Selective gold plating
- Shielded for EMI/RFI protection
- Multiple connector configurations including straight, right angle, and cable mount
- Double ended HSD jack cable

APPLICATIONS:

- Automotive
- GPS
- Bluetooth
- Keyless entry
- Telematics
- Outdoor routers
- Satellite radios
- Infotainment systems
- Medical devices
- Machines with RF interfacing
- High tech applications
- Harsh environment



HSD-04X-S-PRA-SG-C1-TR
HSD-04X-S-PRB-SG-C1-TR



Right Angle PCB Plug
Standard and Reverse Orientation

HSD-04X-S-PT-SG-C1-TR



Straight PCB Plug

HSD-04X-S-SD-SG-C4



Solder Cable Socket

CA-HS04XJ-HS04XJ-XM



Double Ended Straight
HSD FAKRA Jack Cable

[Click part number to view datasheet.](#)

SPECIFICATIONS:

Material:

Plugs:
Insulator: PA
Contacts: Brass
Outer contacts: Zinc alloy
Sockets:
Insulator: PBT, rated UL 94V-0
Contacts: Phosphor bronze
Contact sleeve: Phosphor bronze
Outer contacts: Brass

Contact Plating:

Contact area: Selective gold plated
Solder tails area: Tin plated

Electrical:

Impedance, differential mode: 100 Ω differential signaling, for one pair or quad cable shielded
Frequency: DC to 2.0 GHz
Return loss: ≥ 20 dB to 1.0 GHz or ≥ 17 dB to 2.0 GHz
Insertion loss: ≤ 0.1 dB @ 1.0 GHz
Insulation resistance: 1000 M Ω
Signal contact resistance: 10 m Ω

Mechanical:

Mating cycles: ≥ 25 cycles
Engagement force: ≤ 30 N
Disengagement force: ≥ 5 N
Retention force latch: ≥ 110 N
Coding efficiency: ≥ 80 N

Temperature Rating:

Operating temperature range: -40°C to +105°C

Waterproof FAKRA Cable Assemblies

Adam Tech's Waterproof FAKRA Cable Assemblies are available in ratings of IP69K, IP67, and IPX7. The double-ended FAKRA cables are offered as jack to jack, plug to plug, and jack to plug configurations. FAKRA plug to IPEX cable assemblies are also available. These assemblies are offered in a variety of cable types, and lengths ranging from 0.1m to 5m. The series includes a line of non-waterproof options, ranging in cable configuration, type, and length.

FEATURES AND BENEFITS:

- Waterproof ratings: IP69K, IP67, and IPX7
- Various cable assembly configurations including double-ended FAKRA and FAKRA to IPEX
- Cable types: RTK-031, RG-174, RG-316U, and O.D. 1.37mm coaxial
- Cable lengths: 0.1m, 0.3m, 0.6m, 1m, 2m, 3m, 4m, and 5m
- Straight and right angle connectors
- Non-waterproof options available
- Color coded mechanical layouts

APPLICATIONS:

- Exterior and environmental camera systems
- GPS navigation and positioning antennas
- Satellite radio and outdoor audio systems
- Remote start and keyless entry
- Bluetooth and wireless connectivity
- Climate and environmental control systems
- Weather-exposed sensor and antenna connections
- Harsh-environment and outdoor applications

SPECIFICATIONS:

Connector:

Insulator: Thermoplastic
Contacts: Brass, gold plated

Cable:

Wire spec: RTK-031, RG-174, RG-316U
Wire gauge: 22-30 AWG

Electrical:

Impedance: 50 Ohm

Temperature Rating:

Operating temperature range: -40°C to +105°C



CA-FJFJR-XX001XWP



Straight FAKRA Jack to Right Angle
FAKRA Jack – IP69K

CA-FJFJ-XX003XWP



Double Ended Straight
FAKRA Jacks – IP69K

CA-FJFJ-XX004XWP



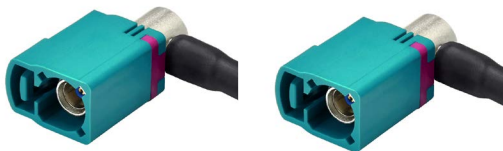
Double Ended Straight
FAKRA Jacks – IPX7

CA-FJFM-XX002XWP



Straight FAKRA Jack to Straight
FAKRA Plug – IPX7

CA-FJRFJR-XX001XWP



Double Ended Right Angle
FAKRA Jacks – IP69K

CA-FMFM-XX001XWP



Double Ended Straight
FAKRA Plugs – IPX7

CA-FMFJ-XX001XWP
CA-FMFJ-XX001XWPA



Straight FAKRA Plug to Straight
FAKRA Jack – IP69K

[Click part number to view datasheet.](#)

CA-FMP1-XX001XWP



Straight FAKRA Plug (IP67)
to I-PEX Gen 1

CA-FMP4-XX001XWP



Straight FAKRA Plug (IP67)
to I-PEX Gen 4

CA-FJFJR-XX002X



Straight FAKRA Jack to Right Angle
FAKRA Jack - CNC Parts

CA-FJFJ-XX001X



Double Ended Straight
FAKRA Jacks

CA-FJFJ-XX002X



Double Ended Straight
FAKRA Jacks

CA-FJFM-XX001X



Straight FAKRA Jack to Straight
FAKRA Plug

[Click part number to view datasheet.](#)

Standard FAKRA

Adam Tech's Standard FAKRA series is composed of various automotive-grade plugs, jacks, and adapters, including SMA and SMB. Operating up to 6 GHz, these board and cable mount connectors are offered in both vertical and right angle orientations. Waterproof FAKRAS are also available, with IP54, IP67, and IP69K ratings.

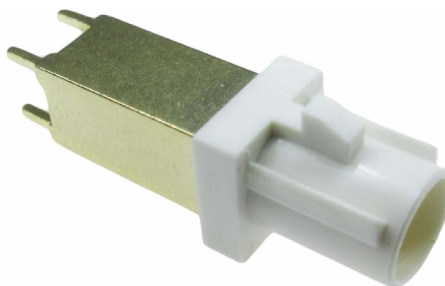
FEATURES AND BENEFITS:

- Frequency: DC up to 6.0 GHz
- Color coded mechanical layouts
- SMA and SMB
- Waterproof options (P54, IP67, and IP69K)
- Board and cable mount
- Vertical and right angle
- Various body options
- Camera module adapter option



APPLICATIONS:

- Automotive
- Bluetooth
- Remote start and keyless entry
- Infotainment systems
- GPS
- Climate controls
- Satellite radios
- Vehicle cameras



SPECIFICATIONS:

Material:

Insulator: Thermoplastic (PTFE)

Pin contact and body: Gold over nickel or brass underplate

Shell: PA66, copper alloy, or zinc alloy

Electrical:

Impedance: 50 Ohm

Frequency: DC up to 6.0 GHz

Withstanding voltage: 335, 500, or 800 V

Insulation resistance: 1000 MΩ

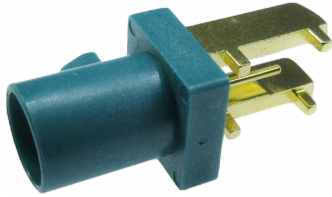
Contact resistance: 6, 10, or 20 mΩ max

Temperature Rating:

Operating temperature range: -40°C to +125°C



RF55-23X-T-00-50-G-X-SH



SMB FAKRA Plug
Right Angle Board Mount

RF55-24X-T-09-50-X-SH



SMB Bulkhead FAKRA Plug
Straight Cable Mount – IP54

RF55-25X-T-00-50-G-SH



SMB FAKRA Plug (Tall Body)
Straight Board Mount

RF55-26X-T-09-50-X-SH



SMB Bulkhead FAKRA Plug
Straight Cable Mount – IP67

RF55-27X-T-02-50-X-SH



SMB FAKRA Plug
Straight Cable Mount for Panel

RF55-28X-T-00-50-G-SH



SMB FAKRA Plug
Straight DIP Board Mount

[Click part number to view datasheet.](#)

RF55-29X-T-00-50-G-SH
RF55-30X-T-00-50-G-SH



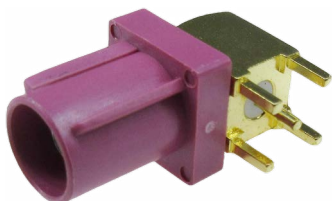
SMB FAKRA Plug
Straight DIP Board Mount

RF55-31X-T-02-50-X-SH



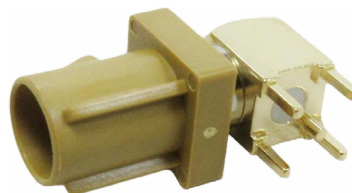
SMB FAKRA Plug
Straight Cable Mount

RF55-32X-T-00-50-X-SH



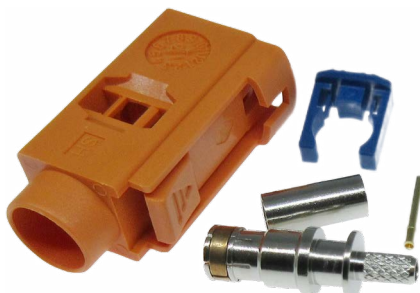
SMB FAKRA Plug (Short Body)
Right Angle Board Mount

RF55-33X-T-00-50-X-SH



SMB FAKRA Plug
Right Angle Board Mount

RF55-34X-T-02-50-SH



SMB FAKRA Jack
Straight Cable Mount for Panel

[Click part number to view datasheet.](#)

[RF55-41X-Y-00-50-A-PP-T/R](#)
[RF55-70AX-T-00-50-PP-T/R](#)
[RF55-70BX-T-00-50-PP-T/R](#)



FAKRA Plug
Vertical Board Mount

[RF55-40X-Y-00-50-X-T/R](#)
[RF55-85X-Y4-00-50-X-T/R](#)



FAKRA Plug
Right Angle Board Mount

[RF55-65X-L-00-50-X-T/R](#)



FAKRA Twin Plug
Right Angle Board Mount

[RF3-65-L-00-50-PP-T/R](#)



SMB Camera Module
Vertical Board Mount

[RF55-86X-T-AS-50-WP](#)



SMB Camera Module to FAKRA Plug Adapter
IP67/IP69K

[Click part number to view datasheet.](#)

High Speed Modular Twisted-Pair Data HT-X Series

Adam Tech's High-Speed Modular Twisted-Pair Data (HT-X Series) products offer a fully shielded differential solution engineered for high-speed automotive Ethernet. This innovative interface, consisting of connectors and cable assemblies, delivers data transmission speeds up to 56 Gbps through a robust, automotive-grade connection. The high-performance modular design provides flexibility to support next-generation devices. Adam Tech's HT-X Series is available in a range of configurations, including port quantity, mounting style, color-coded housings, locking, and waterproof.

FEATURES AND BENEFITS:

- Automotive grade ethernet solution compliant with LV214 / USCAR
- Compact, robust, and modular space saving package
- Data transmission speeds up to 56 Gbps
- Color-coded and keyed mechanical layouts to avoid misconnections
- Single, double, quad, and six port housings
- Voltage rating up to 60 VDC
- Current rating up to 1.5A
- TPA (Terminal Position Assurance) available on cables
- Optional CPA (Connector Position Assurance) available on cables
- Waterproof versions (IP67/IP69K)
- MQS 6 pin version available for added power supply

PROTOCOLS:

SerDes

- ASA Motion Link
- APIX®
- FDP-Link
- GMSL®
- GVIF
- HDBase-T™
- MIPI® A-PHY™
- PCIe®
- USB

Automotive Ethernet

- 100BASE-T1
- 1000BASE-T1
- 2.5/5/10GBASE-T1

MARKETS AND APPLICATIONS:

- Advanced Driver Assistance Systems (ADAS)
- 4k camera systems
- High resolution displays
- Infotainment and multimedia systems



Click [here](#) to view product offering.

CONNECTOR SPECIFICATIONS

Material:

Coding housing: PA
Inner housing: Thermoplastic
Contacts: Copper Alloy

Contact Plating:

Contact area: 6u" gold plated
Solder tails area: 80-160u" tin plated
Underplate: 80-160u" nickel underplate overall

Electrical:

Working voltage: $\leq 60V$ DC
Power current: $\leq 1.5A$ VDC
Contact resistance: $10m\Omega$ max
Insulation resistance: $100M\Omega$ min
Dielectric withstanding voltage: $250V$ rms
Impedance, differential mode: 100Ω
Frequency: DC up to 10 or 20 GHz

Mechanical:

Durability: 25 cycles
Engagement force: 75 or 90N max
Retention force: 110N min
Coding efficiency: 80N, 150N, or 225N min

Environmental:

Thermal shock, mechanical shock, humidity & vibration
USCAR-2 & USCAR-17
DIN EN 60512 & DIN IEC 60068
Soldering: IEC 60068-2
Lead free, RoHS compliant

Temperature Rating:

Operating temperature: $-40^{\circ}C$ to $+105^{\circ}C$

Packaging:

Tape & reel

CABLE SPECIFICATIONS

Cable:

Differential cable: 26AWGx2C+AL+Braid, O.D. = .150" [3.8mm]
Jacket color: Black TPE

Electrical:

Impedance: 100Ω
Insulation resistance: $100M\Omega$ min @500V DC

Mechanical:

Insertion force: 45 or 75N max
Unmating force: 5N min
Durability: 25 cycles min
Retention force latch: 110N min

Environmental:

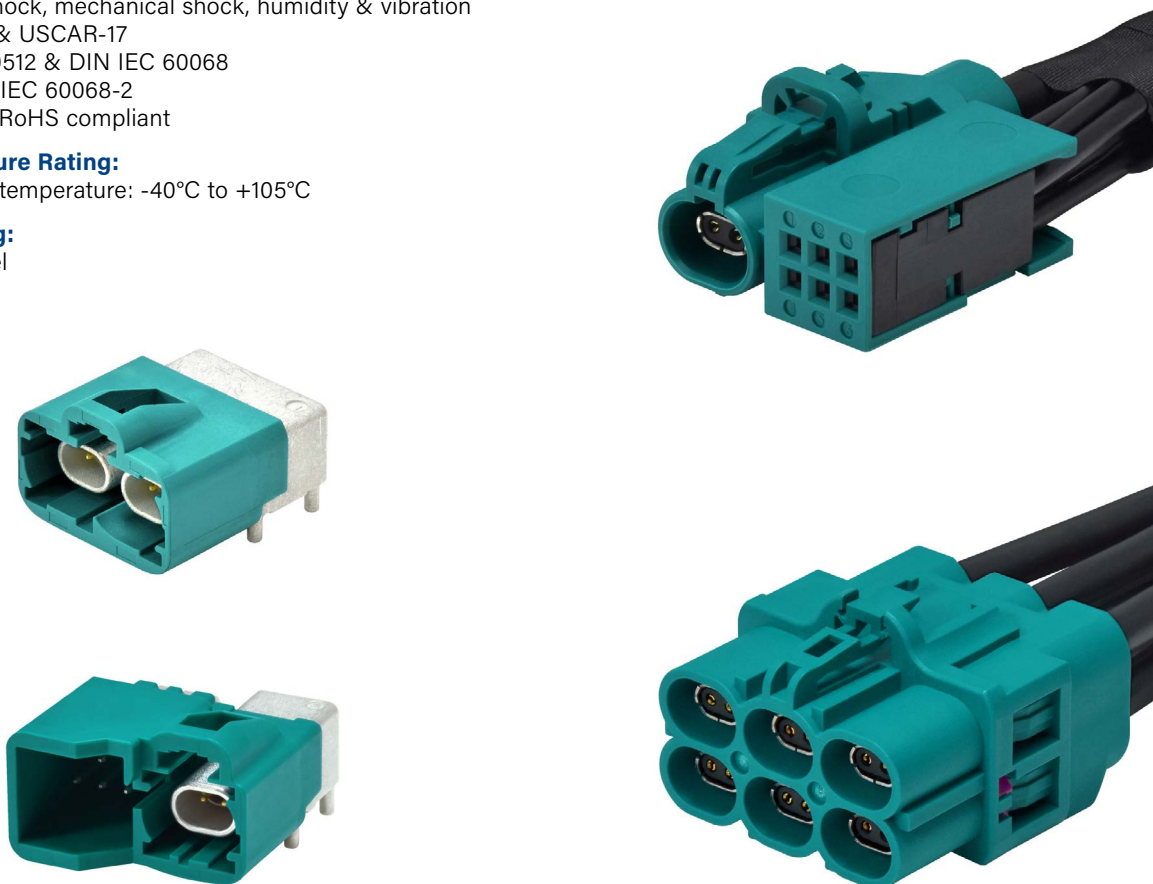
Thermal shock, mechanical shock, humidity & vibration
USCAR-2 & USCAR-17
DIN EN 60512 & DIN IEC 60068
Lead free, RoHS compliant

Temperature Rating:

Operating temperature: $-40^{\circ}C$ to $+105^{\circ}C$

Packaging:

Bag



Click [here](#) to view product offering.

HTX-01XSBLC1R

HT-X 1x1 Plug
Right Angle, PCB



[View Datasheet](#)

HTX-01XSAMC11R

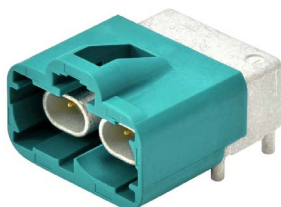
HT-X 1x1 Plug
Vertical, PCB



[View Datasheet](#)

HTX-02XDBLC1R

HT-X 1x2 Plug
Right Angle, PCB



[View Datasheet](#)

HTX-04XDBLC1R

HT-X 2x2 Plug
Right Angle, PCB



[View Datasheet](#)

HTX-04XDALC11R

HT-X 2x2 Plug - IP67/IP69K
Vertical, PCB



[View Datasheet](#)

HTX-06XDBLC1R

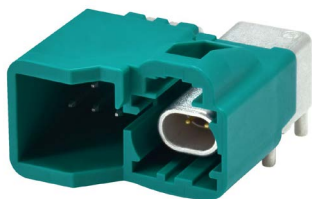
HT-X 2x3 Plug
Right Angle, PCB



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HTX-01XSLLC11R

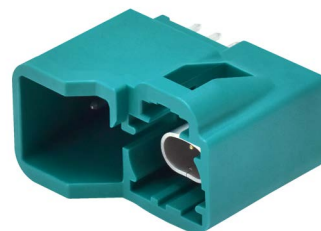
HT-X 1x1 +MQS 6Pin Plug
Right Angle, PCB



[View Datasheet](#)

HTX-01XSKMC11R

HT-X 1x1 +MQS 6Pin Plug
Vertical, PCB



[View Datasheet](#)

CA-HTP1X-HTP1X-XM

HT-X 1x1 Plug Extension Cable
TPA



[View Datasheet](#)

CA-HTJ1X-HTJ1X-XM

HT-X 1x1 Jack Cable
TPA



[View Datasheet](#)

CA-HTJ2X-HTJ2X-XM

HT-X 1x2 Jack Cable
TPA



[View Datasheet](#)

CA-HTJ4X-HTJ4X-XM

HT-X 2x2 Jack Cable
TPA



[View Datasheet](#)

CA-HTJ4X-HTJ4X-WP-XM

HT-X 2x2 Sealed Jack Cable
CPA/TPA



[View Datasheet](#)

CA-HTJ6X-HTJ6X-XM

HT-X 2x3 Jack Cable
TPA



[View Datasheet](#)

CA-HTJ1X-HTJ1X-MQS-XM

HT-X 1x1 Jack +MQS 6Pin Cable
TPA



[View Datasheet](#)

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:

- Battery and energy storage connections
- Power distribution and PDUs
- Onboard chargers
- Motor drives, inverters, and electric motors
- Charging systems and high-voltage fuse connections
- Battery management systems (BMS)
- Electric pumps, winches, and auxiliary drives
- Electronic control units (ECUs)
- Electrified implements and attachments
- Irrigation, spraying, and pumping systems
- Large industrial and agricultural equipment
- Autonomous and automated machinery



HCT-A-P06-IT-M4

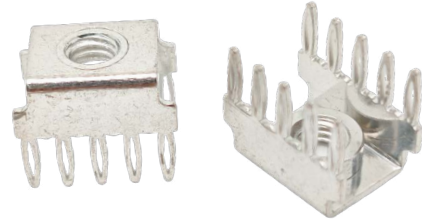
M4 Screw Size, Internal Thread
Phosphor Bronze, 40A



[View Datasheet](#)

HCT-A-P10-IT-M4

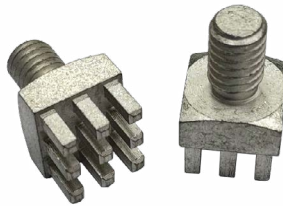
M4 Screw Size, Internal Thread
Phosphor Bronze, 50A



[View Datasheet](#)

HCT-P-ET-M4-A

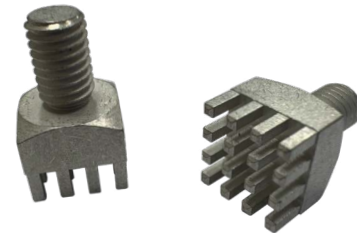
M4 Screw Size, External Thread
C3604 Brass, 130A



[View Datasheet](#)

HCT-P-ET-M5-A

M5 Screw Size, External Thread
C3604 Brass, 180A



[View Datasheet](#)

HCT-P-ET-M6-A

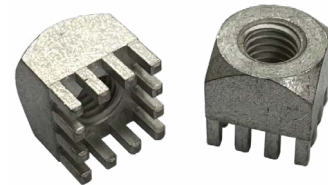
M6 Screw Size, External Thread
C3604 Brass, 250A



[View Datasheet](#)

HCT-P-ITC-M5-A

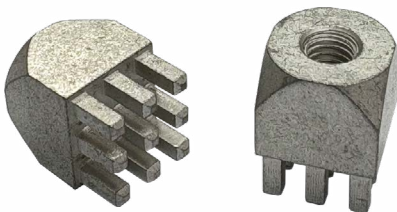
M5 Screw Size, Internal Thread
C3604 Brass, 175A



[View Datasheet](#)

HCT-P-ITF-M3-A

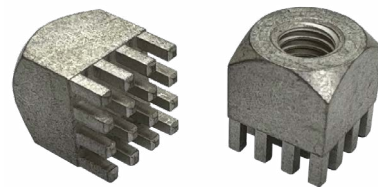
M3 Screw Size, Internal Thread
C3604 Brass, 130A



[View Datasheet](#)

HCT-P-ITF-M5-A

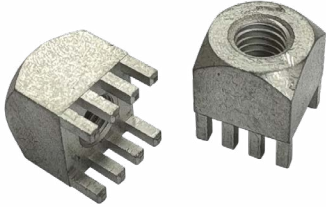
M5 Screw Size, Internal Thread
C3604 Brass, 180A



[View Datasheet](#)

HCT-P-IT-M5-A

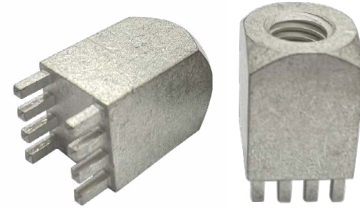
M5 Screw Size, Internal Thread
C3604 Brass, 160A



[View Datasheet](#)

HCT-P-IT-M6-A

M6 Screw Size, Internal Thread
C3604 Brass, 160A



[View Datasheet](#)

HCT-S-IT-M5-A-R

M5 Screw Size, Internal Thread
C3604 Brass, 70A



[View Datasheet](#)

HCT-T-ET-M5-A-R

M5 Screw Size, External Thread
C3604 Brass, 85A



[View Datasheet](#)

HCT-T-IT-M3-A-R

M3 Screw Size, Internal Thread
C3604 Brass, 50A



[View Datasheet](#)

HCT-T-IT-M4-A-R

M4 Screw Size, Internal Thread
C3604 Brass, 50A



[View Datasheet](#)

Secur-Seal Wire-to-Wire Connectors

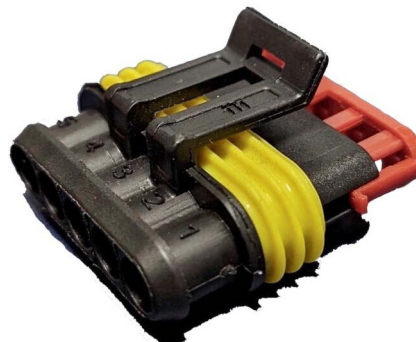
Adam Tech's Secur-Seal Wire-to-Wire Connectors provide sealed waterproof protection to a variety of harsh environment applications. This series is composed of securely latched connector housings ranging from two to six positions, various AWG terminal sets, and wire seals. They provide sealed IP67 waterproof protection and accommodate various current ratings and wire gauge ranges. Their compact size further enhances their application compatibility. Custom connector and cable assembly options are welcomed.

FEATURES AND BENEFITS:

- IP67 sealed connection
- Securely latched to withstand shock and vibration
- 6mm pitch housings ranging from 2-6 positions
- Terminal wire AWG options of 22~20, 18~15, or 16~14 AWG
- Various wire AWG wire seal sizes
- Current ratings: 5-18A
- Voltage ratings: 24VDC (housings), 250V AC/DC (crimps)
- Compact design

APPLICATIONS:

- Protection against moisture, dust, and vibration
- Blind-spot detection sensors
- Engine components
- Safety systems (airbags, ABS)
- Power windows and seat controls
- Exterior and auxiliary lighting
- Sensors and control modules
- Power distribution modules
- Infotainment and control systems
- Field sensors, motors, and actuators



DMB-DMSSXX

Wire Housing, Male
2-6 Position, .236" [6mm] Pitch



[View Datasheet](#)

DMB-DFSSXX

Wire Housing, Female
2-6 Position, .236" [6mm] Pitch



[View Datasheet](#)

DMB-DMSSC-1-R

Crimp, Male, 22~20 AWG



[View Datasheet](#)

DMB-DMSSC-2-R

Crimp, Male, 18~15 AWG



[View Datasheet](#)

DMB-DMSSC-3-R

Crimp, Male, 16~14 AWG



[View Datasheet](#)

DMB-DFSSC-1-R

Crimp, Female, 22~20 AWG



[View Datasheet](#)

DMB-DFSSC-2-R

Crimp, Female, 18~15 AWG



[View Datasheet](#)

DMB-DFSSC-3-R

Crimp, Female, 16~14 AWG



[View Datasheet](#)

DMB-DFWSSS-G

Wire Seal, Green, $\phi 0.063$ " [$\phi 1.6$ mm]
Insulation Dia. Range



[View Datasheet](#)

DMB-DFWSSS-Y

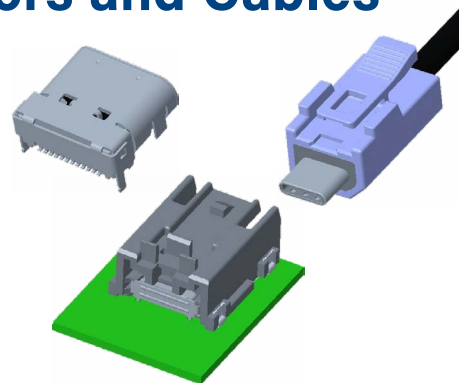
Wire Seal, Yellow, $\phi 0.094$ " [$\phi 2.4$ mm]
Insulation Dia. Range



[View Datasheet](#)

HSecurLinC USB Latching Connectors and Cables

Adam Tech's extensive line of USB products is further enhanced by our HSecurLinC USB Latching Connectors and Cables. This series is composed of USB Type-C (including USB4) and Mini USB products, each featuring a secure latch to ensure reliable connections between mated connectors and cables. These products are offered in speeds of 480Mbps, 5Gbps, and 40Gbps. Cable assembly configurations include male-to-male, female-to-female, and female-to-male, with right-angle options available. Additionally, Adam Tech has the capability to manufacture custom cables tailored to meet each customer's specific needs.



FEATURES AND BENEFITS:

- Latch for secure and reliable mating connections during vibration and motion
- USB Type-C (including USB4) and Mini USB connectors and cables
- Data transmission speeds: 480Mbps, 5Gbps, and 40Gbps
- Backwards compatibility to USB 2.0 and USB 3.1 standards
- Keyed system, with color coded options to prevent mis-mating and compliant to automotive requirements
- Shrouded and secure over-molded shell to prevent connector damage
- Cable assembly options: female to female, male to male, and male to female
- Right angle option for USB4 and USB 3.1 Type-C cable assemblies
- Flammability class: UL94 V-0
- Latching design to meet USCAR-2 requirements
- Vibration level: V1
- Cable retention force: 100G downward vertical; 40N for 1 minute
- Voltage ratings: 5V to 48V
- Current ratings: 1A to 5A

APPLICATIONS:

- Infotainment connectivity
- Device charging
- Software updates and data transfer
- Passenger interfaces
- Diagnostics and maintenance tools
- Surveillance and recording systems
- Data logging or control
- Automation
- Crop monitoring, pest detection, and harvest automation

PRODUCT TYPES:

- Mini USB Type-B Connector
- USB4 Type-C Connector
- Mini USB Type-B Cable Assemblies
- USB 3.1 Type-C Cable Assemblies
- USB4 Type-C Cable Assemblies

Product Application & Specifications

MINI USB

BASIC INFORMATION:

- Operating temperature: -40~+85°C
- Flammability Class: UL94V-0

ELECTRICAL CHARACTERISTICS:

- Contact Resistance: 30mΩ max (connector), 2 Ω max (cable)
- Insulation Resistance: 100MΩ min (connector), 5 MΩ min at 100V DC (cable)
- Voltage rating: 5V (connector), 5V (cable)
- Current rating: 1A(connector), 1A (cable)

MECHANICAL CHARACTERISTIC:

- Durability: 20 cycles (latch)
- Cable Retention force: 100g downward vertical at 60CM; 40N for 1 minute
- Mating force: 45N max
- Un-mating force: 75N max

USB4/3.1

BASIC INFORMATION:

- Operating temperature: -40~+85°C
- Flammability Class: UL94V-0

ELECTRICAL CHARACTERISTICS:

- Contact Resistance: 40mΩ max (connector), 2 Ω max (cable)
- Insulation Resistance: 100MΩ min (connector), 10 MΩ min at 300V DC (cable)
- Voltage rating: 48V (connector), 20V (cable)
- Current rating: 5A for VBUS Pin and 1.25A for VCONN Pin (connector), 3A or 5A (cable)

MECHANICAL CHARACTERISTIC:

- Durability: 20 cycles (latch)
- Cable Retention force: 100g downward vertical at 60CM; 40N for 1 minute
- Mating force: 45N max
- Un-mating force: 75N max

MUSB-B5-S-RA-AB-A

Mini USB Type-B Connector
DIP Type w/ Bridge
480Mbps



[View Datasheet](#)

USB-C40-S-RA-CS5A-X-EH-BK

USB4 Type-C Connector
Edge Hang w/ Bridge
40Gbps



[View Datasheet](#)

CA-USB-MBMF-MBMF-XM

Mini USB Type-B Cable Assembly
Female to Female
480Mbps



[View Datasheet](#)

CA-USB-MBML-MBFL-XM

Mini USB Type-B Cable Assembly
Male to Female
480Mbps



[View Datasheet](#)

CA-USB-MBML-MBML-XM

Mini USB Type-B Cable Assembly
Male to Male
480Mbps



[View Datasheet](#)

CA-USB31-CFLX-CFLX-XM

USB 3.1 Type-C Cable Assembly
Female to Female
5Gbps



[View Datasheet](#)

CA-USB31-CMLX-CFLX-XM

USB 3.1 Type-C Cable Assembly
Male to Female
5Gbps



[View Datasheet](#)

CA-USB31-CMLX-CMLX-XM

USB 3.1 Type-C Cable Assembly
Male to Male
5Gbps



[View Datasheet](#)

CA-USB31-CMRLX-CFLX-XM

USB 3.1 Type-C Cable Assembly
Male (Right Angle) to Female
5Gbps



[View Datasheet](#)

CA-USB31-CMRLX-CMLX-XM

USB 3.1 Type-C Cable Assembly
Male (Right Angle) to Male
5Gbps



[View Datasheet](#)

CA-USB4-CFLX-CFLX-XM

USB4 Type-C Cable Assembly
Female to Female
40Gbps



[View Datasheet](#)

CA-USB4-CMLX-CFLX-XM

USB4 Type-C Cable Assembly
Male to Female
40Gbps



[View Datasheet](#)

CA-USB4-CMLX-CMLX-XM

USB4 Type-C Cable Assembly
Male to Male
40Gbps



[View Datasheet](#)

CA-USB4-CMRLX-CFLX-XM

USB4 Type-C Cable Assembly
Male (Right Angle) to Female
40Gbps



[View Datasheet](#)

CA-USB4-CMRLX-CMLX-XM

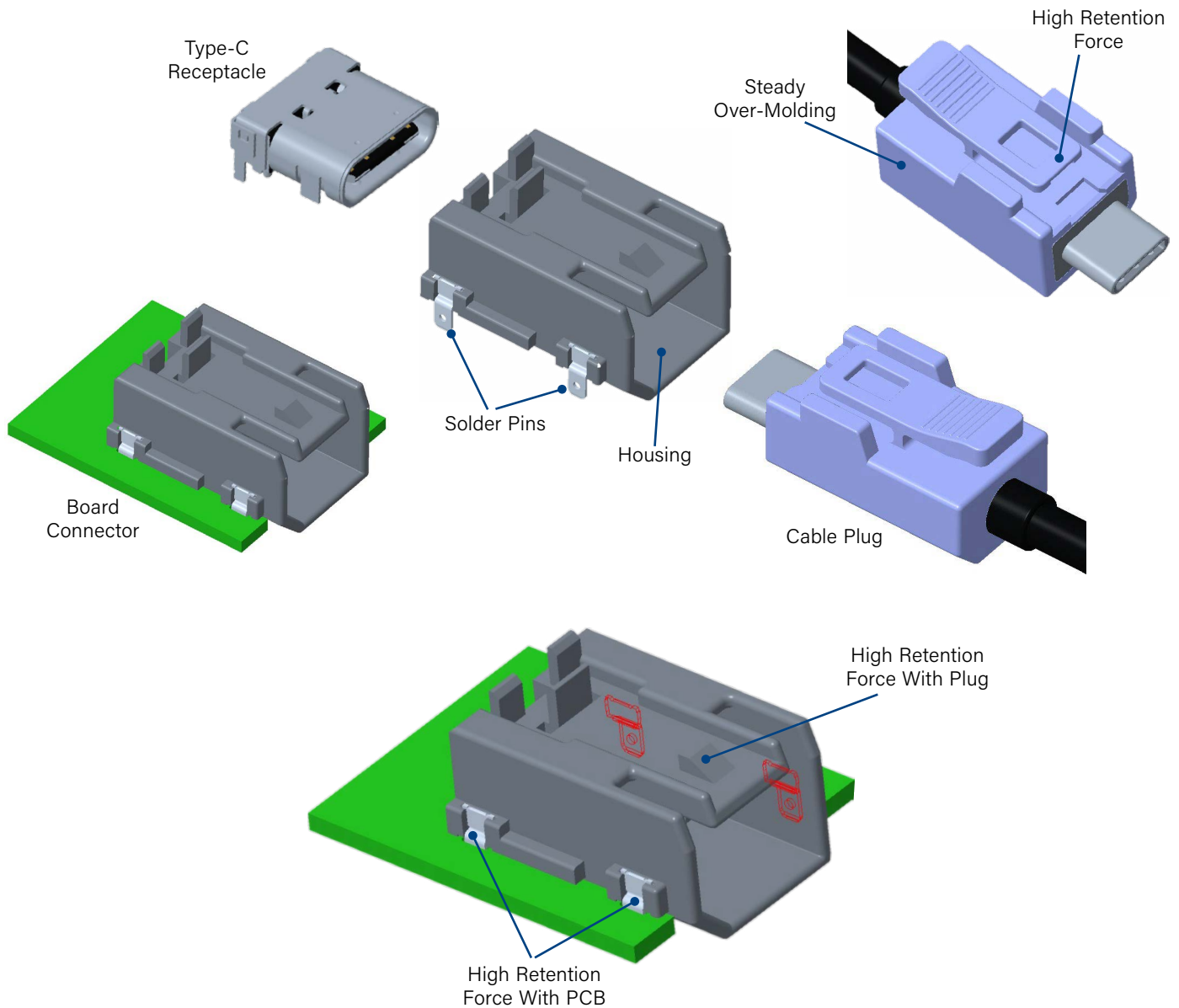
USB4 Type-C Cable Assembly
Male (Right Angle) to Male
40Gbps



[View Datasheet](#)

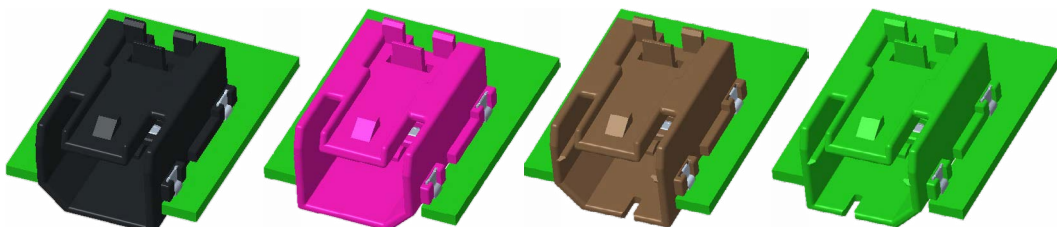
CUSTOM CABLE ASSEMBLIES AVAILABLE UPON
REQUEST. CONTACT US AT INFO@ADAM-TECH.COM.

Highlights

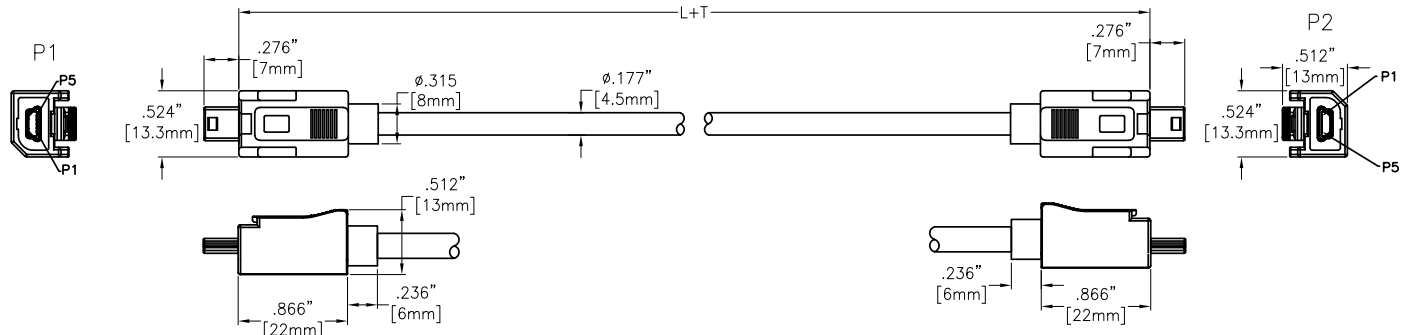
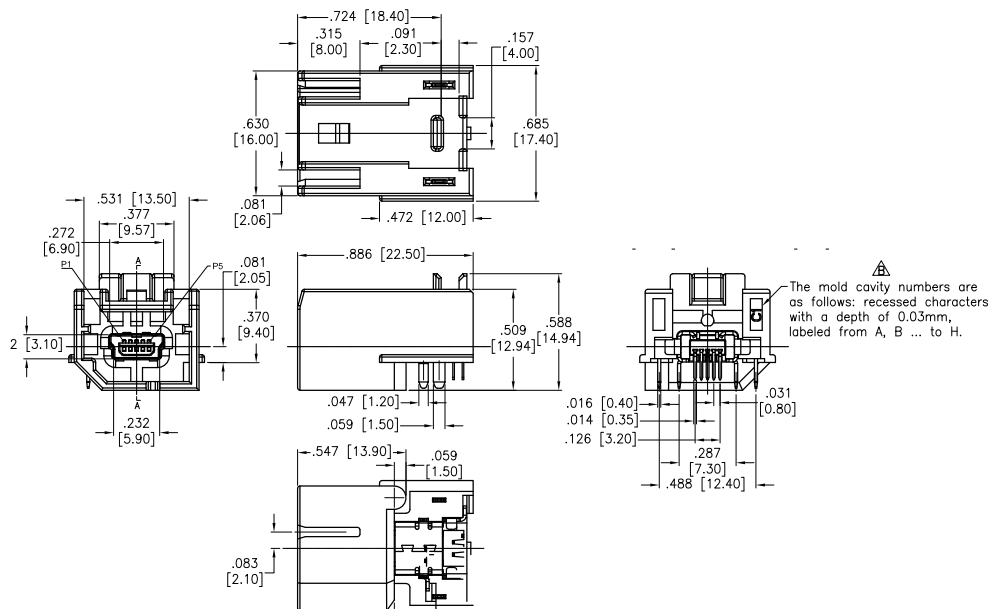


Color Options

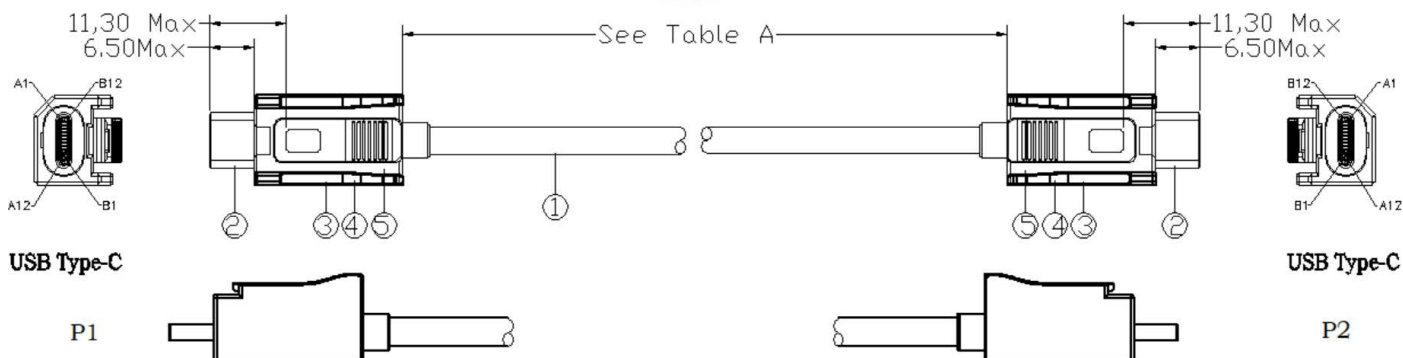
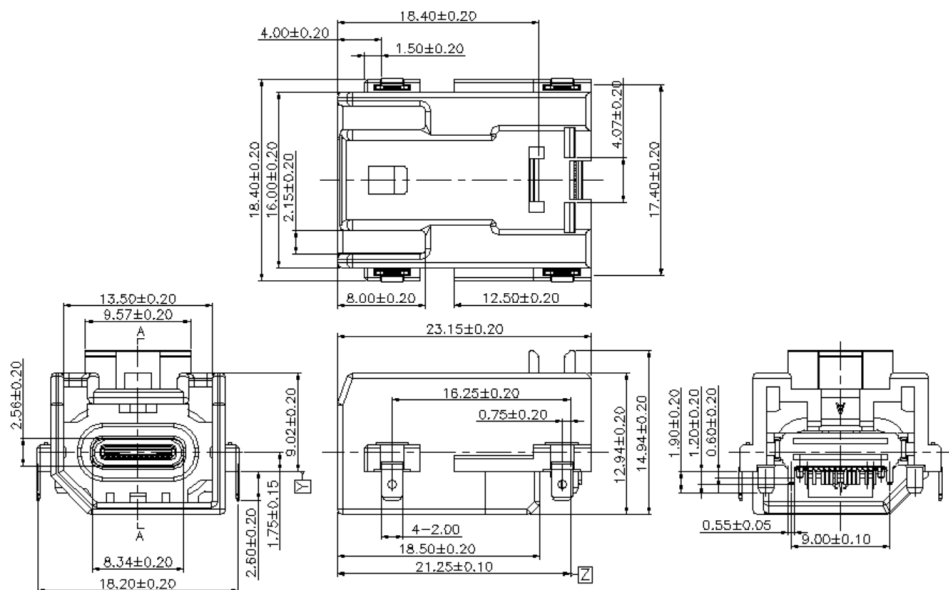
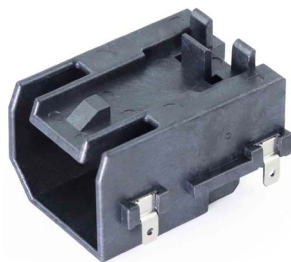
Some color specifications are displayed, and the colors are indicative colors. The specific standard colors shall prevail.



Mini USB Markings and Dimensions



USB4/3.1 Markings and Dimensions



Pin Definition

MINI USB

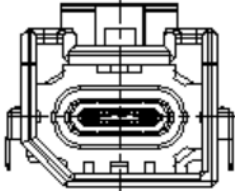
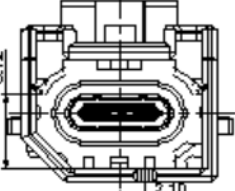
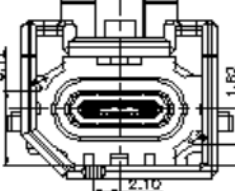
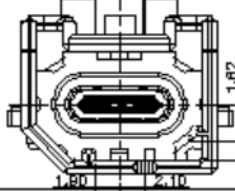
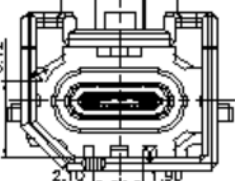
Pin	Signal Name
1	V bus
2	D-
3	D+
4	ID
5	GND
Shell	SHIELD

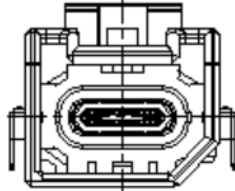
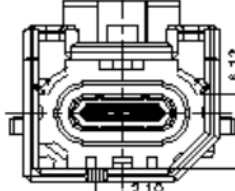
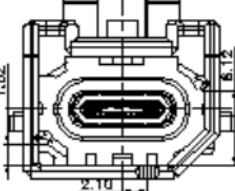
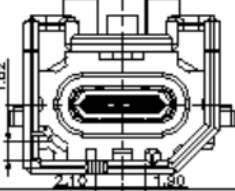
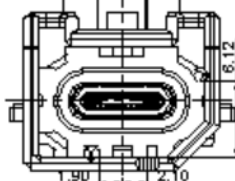
USB4/3.1

Pin	Signal Name	Mating Sequence
A1	GND	First
A2	SSTXp1	Second
A3	SSTXn1	Second
A4	V bus	First
A5	CC1	Second
A6	Dp1	Second
A7	Dn1	Second
A8	SBU1	Second
A9	V bus	First
A10	SSRXn2	Second
A11	SSRXp2	Second
A12	GND	First
Shell	GND	

Pin	Signal Name	Mating Sequence
B1	GND	First
B2	SSRXp1	Second
B3	SSRXn1	Second
B4	V bus	First
B5	SBU2	Second
B6	Dn2	Second
B7	Dp2	Second
B8	CC2	Second
B9	V bus	First
B10	SSTXn2	Second
B11	SSTXp2	Second
B12	GND	First
Shell	GND	

Coding Options

CODE	RECEPTACLE	CASE COLOR
A		JET BLACK
C		NUT BROWN
E		SIGNAL BLUE
G		BLUE GRAY
J		BEIGE

CODE	RECEPTACLE	CASE COLOR
B		CLARET VIOLET
D		LEAF GREEN
F		CREAM WHITE
H		YELLOW GREEN
K		CURRY

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:

- Advanced Driver Assistance Systems (ADAS)
- Infotainment and display modules
- Instrument clusters and HMIs
- Engine and body control units (ECUs/BCMs)
- Lighting and power control modules
- Battery management systems (BMS)
- Network video recorders (NVRs)
- Power and data transfer within industrial and agricultural equipment

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

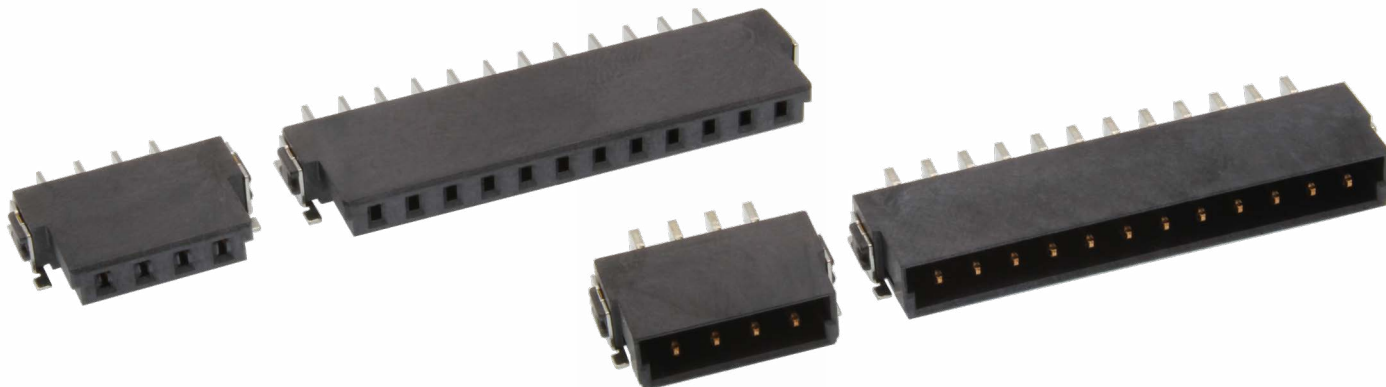
Withstanding voltage: 1390 VAC for 1 minute

Temperature Rating:

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

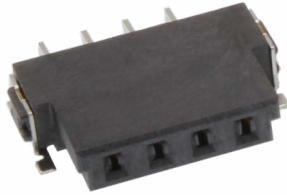
Environmental:

Lead free, RoHS compliant



ESMC11-XX-20D1

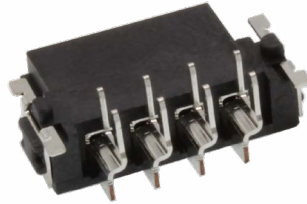
Right Angle Socket
Surface Mount



[View Datasheet](#)

ESMC11D-XX-20F1

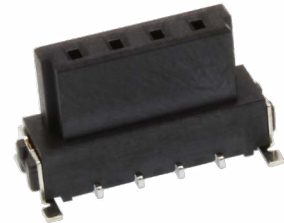
Right Angle Socket
DIP



[View Datasheet](#)

ESMC12-XX-20A2

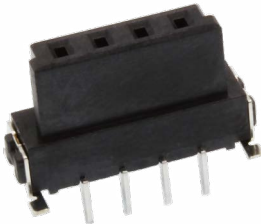
Vertical Socket
Surface Mount
Pick and Place Cap



[View Datasheet](#)

ESMC12D-XX-20C2

Vertical Socket
DIP
Pick and Place Cap



[View Datasheet](#)

ESMC13-XX-20D1

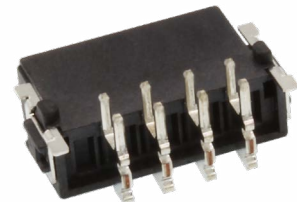
Right Angle Plug
Surface Mount



[View Datasheet](#)

ESMC13D-XX-20F1

Right Angle Plug
DIP



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ESMC14-XX-20A2

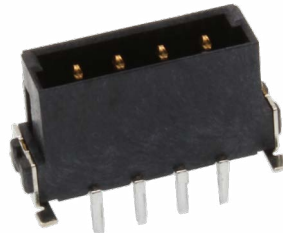
Vertical Plug
Surface Mount
Pick and Place Cap



[View Datasheet](#)

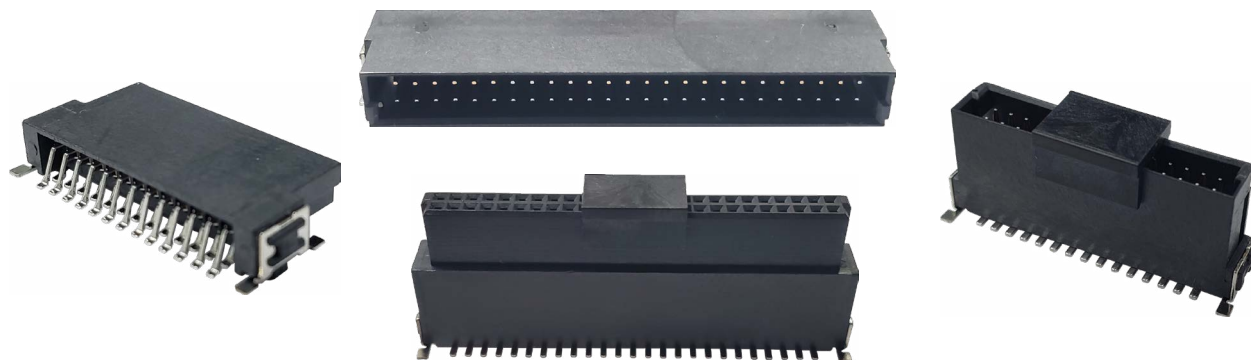
ESMC14D-XX-20C2

Vertical Plug
DIP
Pick and Place Cap



[View Datasheet](#)

ESMC Board-to-Board Signal Connectors



Adam Tech's ESMC Signal Series provides dependable, high-performance PCB connectivity in a compact 1.27mm pitch design, engineered for space-constrained applications. This stacking and coplanar connector family supports parallel, perpendicular, and side-by-side board configurations and is available in both vertical and right angle mounting orientations. Vertical options are offered in low, mid, and high profiles to accommodate a wide range of design requirements, with secure mating and connection distances ranging from 0.315" (8.0mm) to 0.728" (18.5mm). In addition to standard board-to-board solutions, this product line includes press-fit connectors, cable assemblies, and custom solutions to support specialized applications. Designed for reliability and flexibility, the ESMC Signal Series delivers consistent performance across consumer electronics, industrial equipment, and medical devices.

SPECIFICATIONS:

Material:

Insulator: High temp thermoplastic, rated UL 94V-0
 Insulator color: Black
 Contacts: Phosphor bronze or high conductivity copper
 Board lock: Brass, tin plated
 Plating:
 Gold flash over nickel underplate on contact area
 Tin over nickel underplate on solder tails

APPLICATIONS:

- Advanced Driver Assistance Systems (ADAS)
- Infotainment and display modules
- Instrument clusters and HMIs
- Engine and body control units (ECUs/BCMs)
- Lighting and power control modules
- Battery management systems (BMS)
- Network video recorders (NVRs)
- Power and data transfer within industrial and agricultural equipment

FEATURES AND BENEFITS:

- .050" [1.27mm] pitch
- 2-80 positions
- Surface mount, IDC, and press-fit mounting
- Parallel, perpendicular, and side-by-side PCB connection arrangements
- PCB connection distances: .315" [8.0mm] to .728" [18.5mm]
- Cable assemblies with various pin count, cable length, configuration, and material options
- High reliability precision formed contact design
- Angular inclination tolerance (longitudinal: 3.9°, transverse: 2.6°)
- High temperature thermoplastic insulator
- Operating temperature: -55°C to +125°C
- RoHS compliant

Electrical:

Current rating: 1.2 to 8 A max
 Contact resistance: 25 mΩ max
 Insulation resistance: 1000 MΩ min
 Withstanding voltage: 500 VAC for 1 minute

Temperature Rating:

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

Environmental:

Lead free, RoHS compliant

ESMC-M2-XX-SGS-PF

Vertical Plug
Press-Fit Type



[View Datasheet](#)

ESMC-M-XX-SGR-SMT

Right Angle Plug
Surface Mount



[View Datasheet](#)

ESMC-F-XX-SGR-SMT

Right Angle Socket
Surface Mount



[View Datasheet](#)

ESMC-M-XX-SGS-SMT-X-PP

Vertical Plug
Low, Mid, and High Profile Options
Pick & Place Cap
Surface Mount



[View Datasheet](#)

ESMC-F-XX-SGS-SMT-X-PP

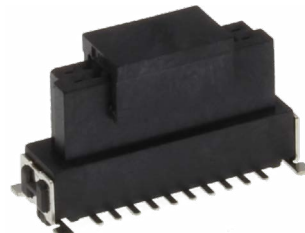
Vertical Socket
Low, Mid, and High Profile Options
Pick & Place Cap
Surface Mount



[View Datasheet](#)

ESMC-F-XX-SGS-SMT-X-5-PP-TR

Vertical Socket
Low, Mid, and High Profile Options
Pick & Place Cap
Surface Mount



[View Datasheet](#)

ESMC-1-M-XX-SGR-SMT-TR

Right Angle Plug
Surface Mount
Lock Window



[View Datasheet](#)

ESMC-1-F2-XX-SGR-10.00-SMT-L-TR

Right Angle Socket
Surface Mount
Latch



[View Datasheet](#)

ESMC-F-XX-SGS-14.10-IDC-L

Vertical Socket
IDC Type
Latch



[View Datasheet](#)

CA-ESMC-F-F-XX-X-XXXX-X-C1

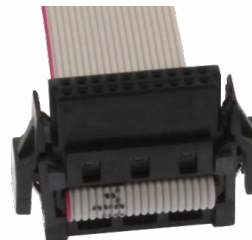
Cable Assembly (Various Lengths)
Vertical IDC Sockets
PVC or TPE Material
Latch



[View Datasheet](#)

CA-ESMC1-F-F-20-XXXX-C1A

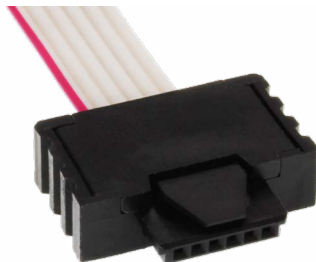
Cable Assembly (Various Lengths)
Vertical IDC Sockets
20 Position
Latch



[View Datasheet](#)

CA-ESMC1-F-F-XX-XXXX-C1

Cable Assembly (Various Lengths)
Vertical Solder Sockets
Latch



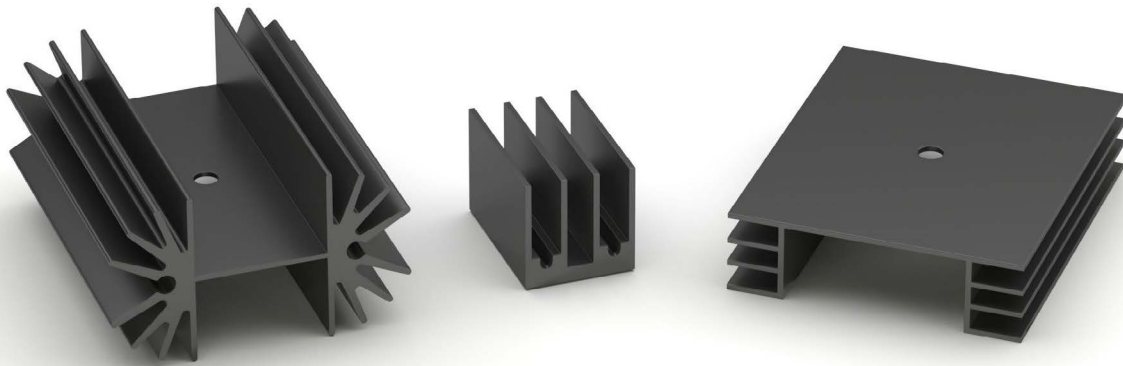
[View Datasheet](#)

CA-ESMC1-M-M-XX-XXXX-C1

Cable Assembly (Various Lengths)
Vertical Solder Plugs
Lock Window



[View Datasheet](#)



Board Level Heat Sinks

Adam Tech's Board Level Heat Sinks ensure optimal device performance by efficiently dissipating heat generated by components on a device's PCB (printed circuit boards). Composed of aluminum, a highly thermally conductive material, they effectively transfer heat by radiating it into the air, cooling the device. Their large, finned surface area enhances airflow for natural convection heat dissipation, making them ideal for applications requiring temperature regulation. Their lightweight, compact design makes them perfect for applications with limited space, and suitable for common TO-220, TO-247 and SOT-32 component packages. With customizable options and easy installation methods, Adam Tech's board level heat sinks offer a cost-effective solution for improving thermal performance in various electronic devices.

FEATURES AND BENEFITS:

- Extruded and stamped types
- Suitable For TO-220, TO-247, and SOT-32 packaged components
- Material: aluminum
- Surface finish: black anodized
- Vertical PCB mounting options: M2.5 screw, M3 screw, and solder pins
- Mounts directly to component
- Various sizes to meet cooling requirements
- Maximizes heat transfer and enhances cooling efficiency
- Easy installation

APPLICATIONS:

- Thermal management for sensitive electronics
- Power modules and voltage regulation
- LED lighting and signaling
- Engine and motor control electronics
- Braking, traction, and motor control
- Battery and energy storage systems
- Audio, infotainment, and displays
- HVAC and cooling controls
- Industrial automation controllers
- Mobile robotics and AGVs



CUSTOM OPTIONS AVAILABLE UPON REQUEST. CONTACT US AT INFO@ADAM-TECH.COM.

HSK-043-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with M3
Screw



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HSK-044-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with
Solderable Pins



[View Datasheet](#)

HSK-045-XX

Extruded Type, TO-247 Package
Vertical PCB Mounting with M3
Screw



[View Datasheet](#)

HSK-046-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with
Solderable Pin



[View Datasheet](#)

HSK-047-XX

Extruded Type, TO-247 Package
Vertical PCB Mounting with M3
Screw



[View Datasheet](#)

HSK-048-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with
Solderable Pins



[View Datasheet](#)

HSK-049-XX

Extruded Type, TO-247 Package
Vertical PCB Mounting with M3
Screw



[View Datasheet](#)

HSK-050-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with
Solderable Pins



[View Datasheet](#)

HSK-051-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with M2.5
Screw



[View Datasheet](#)

HSK-053-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with M3
Screw



[View Datasheet](#)

HSK-054-XX

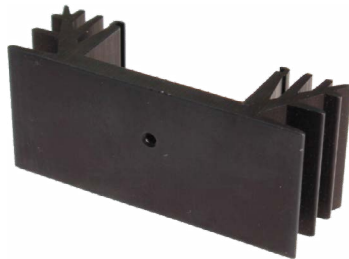
Extruded Type, TO-247 Package
Vertical PCB Mounting with
Solderable Pins



[View Datasheet](#)

HSK-055-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with M3
Screw



[View Datasheet](#)

HSK-057-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with M3
Screw



[View Datasheet](#)

HSK-058-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with
Solderable Pins



[View Datasheet](#)

HSK-059-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with M3
Screw



[View Datasheet](#)

HSK-060-XX

Extruded Type, TO-220 Package
Vertical PCB Mounting with
Solderable Pin



[View Datasheet](#)

HSK-061

Stamped Type, TO-220/SOT-32
Package
Vertical and Horizontal Mounting



[View Datasheet](#)

HSK-062

Stamped Type, TO-220 Package
Vertical Mounting



[View Datasheet](#)

HSK-063

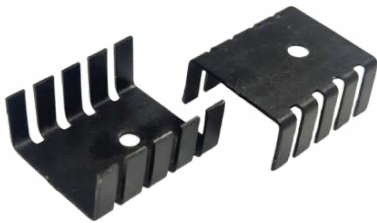
Stamped Type, TO-220/SOT-32
Package
Vertical Mounting



[View Datasheet](#)

HSK-064

Stamped Type, TO-220 Package
Vertical and Horizontal Mounting



[View Datasheet](#)

HSK-065

Stamped Type, SOT-32 (2 NOS)
Package
Horizontal Mounting



[View Datasheet](#)

HSK-066

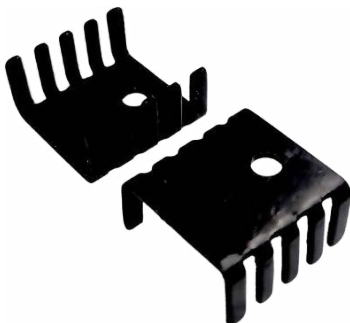
Stamped Type, TO-220 Package
Vertical and Horizontal Mounting



[View Datasheet](#)

HSK-067

Stamped Type, TO-220 Package
Vertical and Horizontal Mounting



[View Datasheet](#)

HSK-068

Stamped Type, TO-220 Package
Vertical Mounting



[View Datasheet](#)

HSK-069

Stamped Type, TO-220 Package
Vertical Mounting



[View Datasheet](#)

AC-DC Converters

Adam Tech is equipped with an extensive offering of AC-DC Converters. These devices are designed to efficiently convert alternating current (AC) into direct current (DC). This makes them ideal for applications that utilize DC power. Adam Tech's offering is equipped to accommodate these various applications, thanks to its support of a wide range of watts, voltages, and currents. In addition, Adam Tech possesses the ability to manufacture custom converters to meet every customer's needs.

FEATURES AND BENEFITS:

- Efficiently convert AC into DC
- Single and dual output
- Power ranging from 2.64 to 60W
- Output voltages ranging from 3.3 to 48VDC
- Output currents ranging from 104 to 8000mA
- Short circuit/overload protection

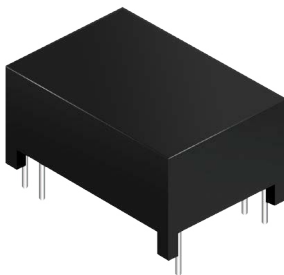
APPLICATIONS:

- Automotive electrical systems
- Vehicle charging and auxiliary power
- Industrial control and automation
- Motors, pumps, and actuators
- Rail and transportation systems
- Solar and wind energy conversion
- Greenhouse and agricultural controls
- Environmental and sensor networks

SERIES PREVIEW:

AX003 Series

2.64 ~ 3 Watt
3KV Isolated
Single Output



[View Datasheet](#)

AX005 Series

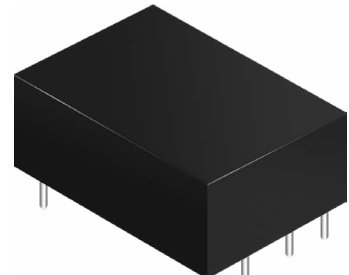
5 Watt
3KV Isolated
Single Output



[View Datasheet](#)

AC010 Series

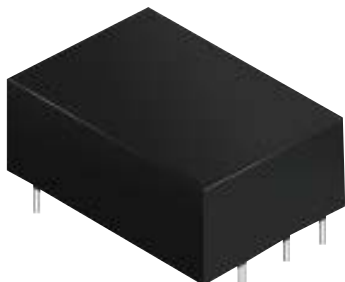
10 Watt
3KV Isolated
Single & Dual Output



[View Datasheet](#)

AC025 Series

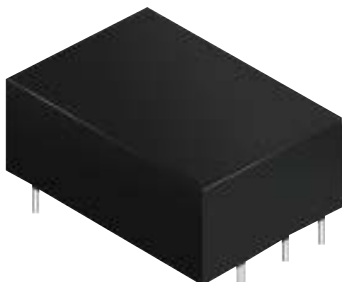
25 Watt
3KV Isolated
Single & Dual Output



[View Datasheet](#)

AC030 Series

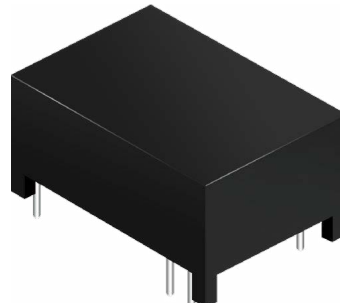
26 ~ 48 Watt
3KV Isolated
Single & Dual Output



[View Datasheet](#)

AC5A Series

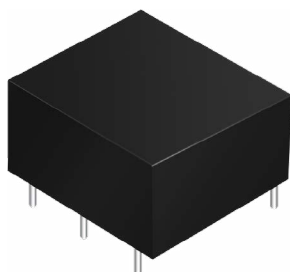
5 ~ 6 Watt
3KV Isolated
Single Output



[View Datasheet](#)

AC5E Series

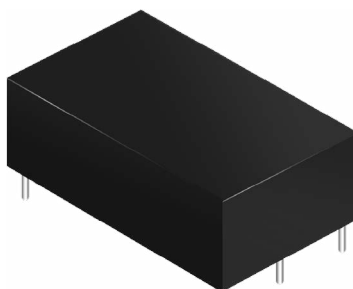
1 ~ 5 Watt
3KV Isolated
Single Output



[View Datasheet](#)

AC10D Series

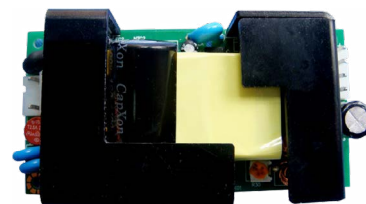
10 ~ 12 Watt
4KV Isolated
Single Output



[View Datasheet](#)

AD60A Series

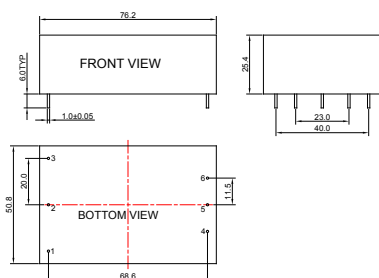
60 Watt
3KV Isolated
Single Output



[View Datasheet](#)

AC025-S05

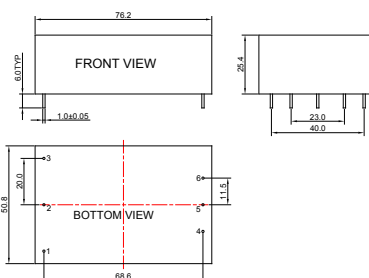
20 Watt
5V Output Voltage
Single Output



[View Datasheet](#)

AC025-S06

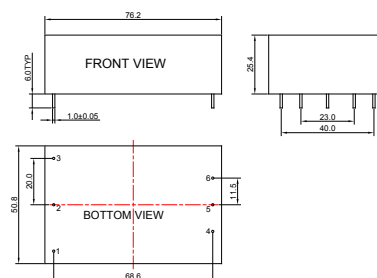
24 Watt
6V Output Voltage
Single Output



[View Datasheet](#)

AC025-S09

22.5 Watt
9V Output Voltage
Single Output



[View Datasheet](#)

DC-DC Converters

Adam Tech boasts an expansive line of DC-DC Converters. These devices are designed to effectively convert direct current (DC) from one voltage level to another. This makes them ideal for applications that utilize the cooperation of different voltage levels. Adam Tech's offering is equipped to accommodate these various applications, thanks to its support of a wide range of watts, voltages, and currents. In addition, Adam Tech possesses the ability to manufacture custom converters to meet every customer's needs.

FEATURES AND BENEFITS:

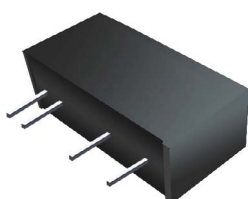
- Efficiently convert DC voltage levels
- Single and dual output
- Power ranging from 1 to 30 W
- Input voltages ranging from 2.97 to 75 VDC
- Output voltages ranging from 3.3 to 24 VDC
- Input currents ranging from 7 to 10 mA no-load, and 255 to 1420 mA full-load
- Output currents ranging from 21 to 6500 mA
- Various packaging options
- Burned-in
- Low ripple and noise

APPLICATIONS:

- Automotive electrical systems
- Vehicle charging and auxiliary power
- Industrial control and automation
- Motors, pumps, and actuators
- Rail and transportation systems
- Solar and wind energy conversion
- Greenhouse and agricultural controls
- Environmental and sensor networks

EC2 Series

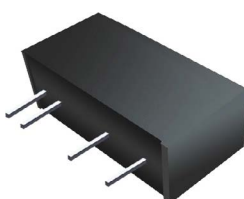
1 Watt
1.5KV ~ 6KV Isolated
Single & Dual Output
SIP7



[View Datasheet](#)

EC2-2W Series

2 Watt
1.5KV ~ 6KV Isolated
Single & Dual Output
SIP7



[View Datasheet](#)

EC2-3W Series

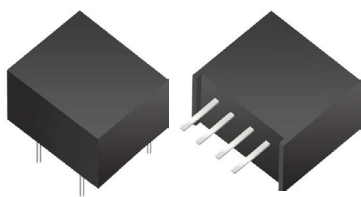
3 Watt
1.5KV ~ 6KV Isolated
Single & Dual Output
SIP7



[View Datasheet](#)

EC3 Series

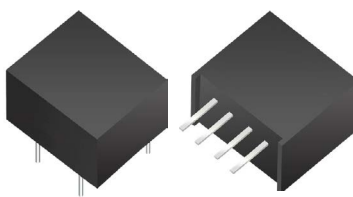
1 Watt
1.5KV ~ 3KV Isolated
Single & Dual Output
SIP4 & DIL8



[View Datasheet](#)

EC3-2W Series

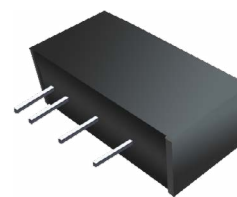
2 Watt
1.5KV ~ 3KV Isolated
Single & Dual Output
SIP4 & DIL8



[View Datasheet](#)

EC4 Series

1 Watt
1.5KV ~ 3KV Isolated
Single & Dual Output
SIP7



[View Datasheet](#)

ES3 Series

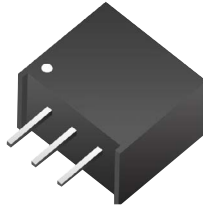
1 Watt
1.5KV ~ 3KV Isolated
Single Output
SMD14



[View Datasheet](#)

NL1-1A Series

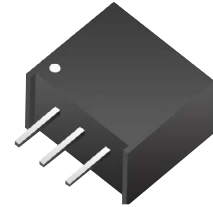
Non-Isolated
Single Output
SIP3



[View Datasheet](#)

NL1-P5 Series

Non-Isolated
Single Output
SIP3



[View Datasheet](#)

RD7 Dual Series

2 Watt
1KV & 3KV Isolated
2:1 Input Voltage Range
Dual Output
SIP7



[View Datasheet](#)

RD7 Single Series

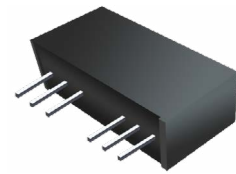
2 Watt
1KV & 3KV Isolated
2:1 Input Voltage Range
Single Output
SIP7



[View Datasheet](#)

RD7-3W Dual Series

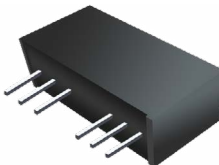
3 Watt
1.5KV ~ 3KV Isolated
2:1 Input Voltage Range
Dual Output
SIP8



[View Datasheet](#)

RD7-3W Single Series

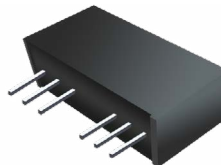
3 Watt
1.5KV ~ 3KV Isolated
2:1 Input Voltage Range
Single Output
SIP8



[View Datasheet](#)

RD7-6W Series

6 Watt
1.5KV Isolated
2:1 Input Voltage Range
Single & Dual Output
SIP8



[View Datasheet](#)

RQ9S Series

30 Watt
1.5KV Isolated
4:1 Input Voltage Range
Single & Dual Output
1" x 1" DIL



[View Datasheet](#)

KR15 Series

15 Watt
1600VDC Isolated
4:1 Input Voltage Range
Single & Dual Output
DIP24



[View Datasheet](#)

UC10 Series

10 Watt
1600VDC Isolated
4:1 Input Voltage Range
Single & Dual Output
DIP16



[View Datasheet](#)

UC15 Series

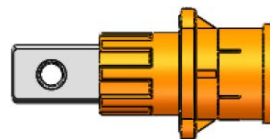
15 Watt
1600VDC Isolated
4:1 Input Voltage Range
Single & Dual Output
DIP16



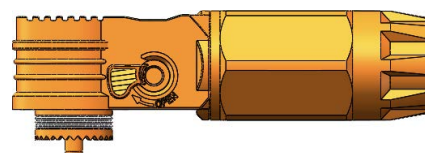
[View Datasheet](#)

Energy Storage Connectors

Adam Tech's ESF/ESM Series Energy Storage Connectors provide a critical link between battery modules. This link ensures safe and reliable connections in energy storage systems, such as electric vehicle charging, renewable energy devices, and both industrial and consumer energy storage. The series is composed of various mated pairs, offered in both orange and black. Various voltage ratings, current ratings, and wire gauges are supported, making this series compatible with a wide range of applications. Compatible dust covers are available, providing additional protection.



ESF Series



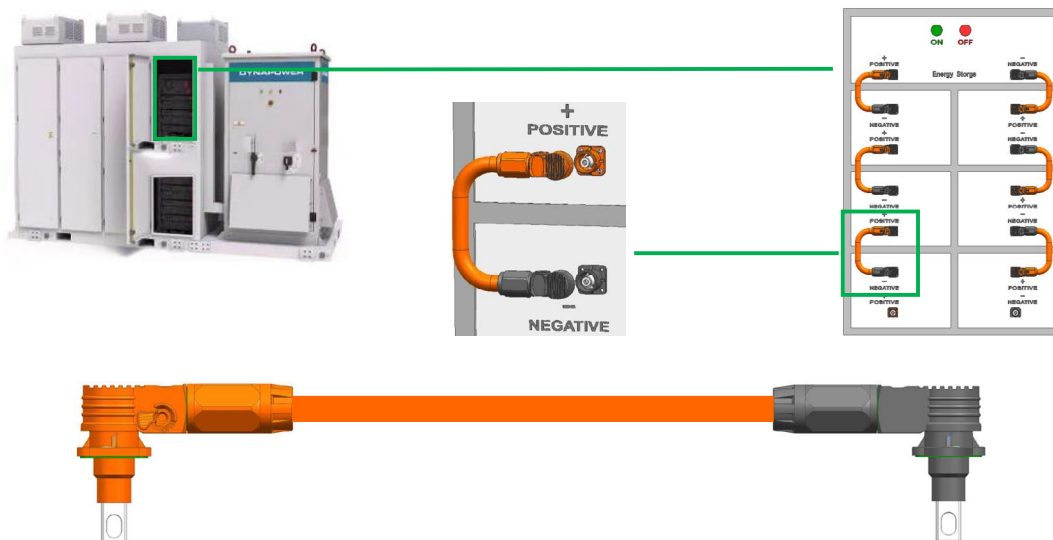
ESM Series

FEATURES AND BENEFITS:

- Providing reliable and efficient energy transfers
- Broad current range of 90A to 350A
- Voltage range of 1000VDC to 1500VDC
- Various wire gauge options
- Termination options: crimp, threaded hole, screw post, and busbar
- Orange and black housing
 - Mated pairs
- IP67 waterproof when mated
- UL 94V-0 flammability protection
 - PA66 materials
- RoHS & REACH compliant
- UL recognized 
- Compatible dust covers

MARKETS & APPLICATIONS:

- Power transmission and distribution
- Vehicle and equipment battery systems
- High-power and fast-charging systems
- Regenerative braking systems
- Traction power distribution
- Auxiliary power units (APUs)
- Power distribution units (PDUs)
- Motor drives and inverters
- Backup, emergency, and UPS systems
- Electric and hybrid vehicles and equipment
- Renewable energy storage systems
- Autonomous and electrified machinery



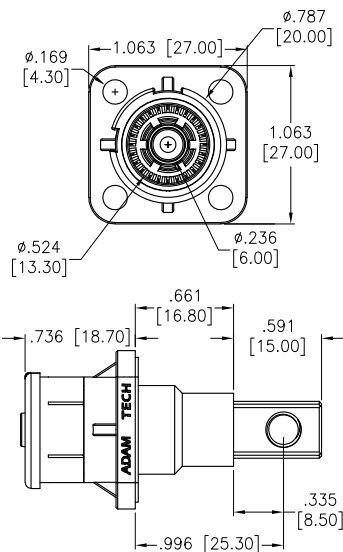
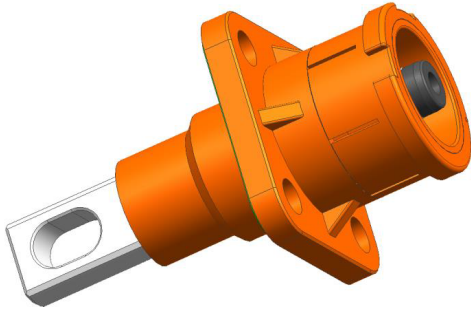
CUSTOM CABLE ASSEMBLIES AVAILABLE UPON REQUEST. CONTACT US AT [INFO@ADAM-TECH.COM](mailto:info@adam-tech.com).

ESF-0XXA02-XXXXXX

ESF-1XXA02-XXXXXX

Energy Storage Connectors

Female



Product Number

ESF - XXX A02 - XX X XXX
A B C D E F

A: Series
B: Current Rating
C: Version
D: Key Options (see bottom of page)
E: Housing Color
F: Terminal Type

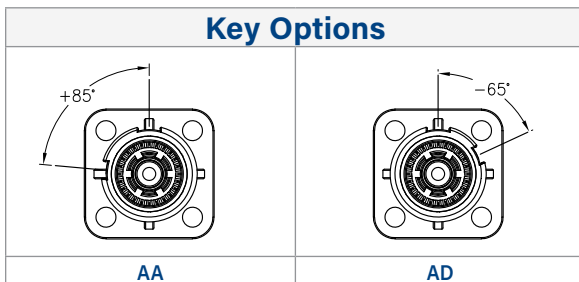
090	90 amps
120	120 amps

O	Orange
B	Black

Terminal Type Chart

Code	Terminal	Specification	Universal Model
010	Threaded Hole	M6x1.0 Thread	90A or 120A
020	Busbar (Threaded Hole)	M5x0.8 Thread	
030	Screw Post	M6x1.25 Thread	
040	Busbar (Through Hole)	$\phi 5.20$ Hole	
051	Crimp Adam Tech PN: (ESF-120A02-XX051)	AWG American Wire Gauge	120A
		Wire Standard: 4 AWG	
		Strand Outer Diameter: $\phi 6.47$ Max	
		O.D. (Outside Diameter): $\phi 9.50$ Max	
052	Crimp Adam Tech PN: (ESF-090A02-XX052)	International Wire Gauge	090A
		Wire Standard: 25mm ²	
		Strand Outer Diameter: $\phi 7.20$ Max	
		O.D. (Outside Diameter): $\phi 9.80$ Max	
052	Crimp Adam Tech PN: (ESF-090A02-XX052)	AWG American Wire Gauge	090A
		Wire Standard: 6 AWG	
		Strand Outer Diameter: $\phi 5.20$ Max	
		O.D. (Outside Diameter): $\phi 8.50$ Max	
052	Crimp Adam Tech PN: (ESF-090A02-XX052)	International Wire Gauge	090A
		Wire Standard: 16mm ²	
		Strand Outer Diameter: $\phi 5.80$ Max	
		O.D. (Outside Diameter): $\phi 8.00$ Max	

Key Options



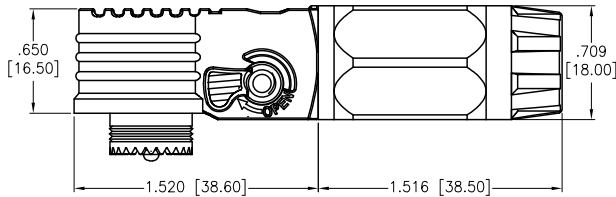
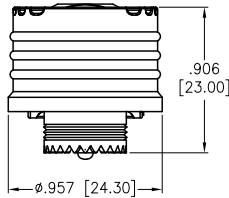
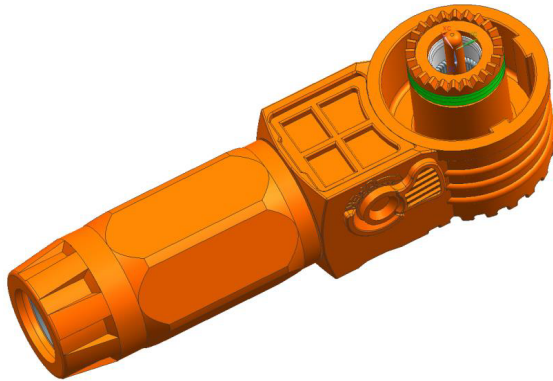
*Please contact info@adam-tech.com for additional key options.

Product Parameters

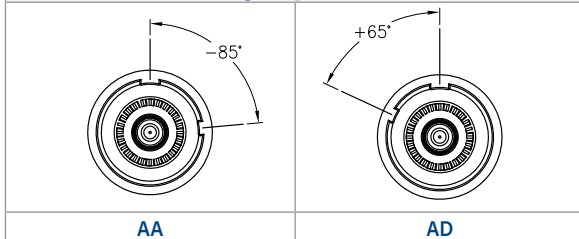
No.	Name	Parameters
1	Rated Current	90A MAX for 6 AWG and 16mm ²
		120A MAX for 4 AWG and 25mm ²
2	Rated Voltage	1000V DC
3	Withstand Voltage	3800V DC
4	Contact Resistance	$\leq 5.0m\Omega$ MAX
5	Environment Temperature	-40°~+125°
6	Waterproofing Grade	IP67 (mating state)
7	Salt Spray Test	48H
8	Mating Life	≥ 500 times
9	Fire Rating	UL 94-V0

Click [here](#) to view datasheet.

ESM-0XXA02-XXX ESM-1XXA02-XXX Energy Storage Connectors Male - Right Angle



Key Options



*Please contact info@adam-tech.com for additional key options.

Product Number

ESM - XXX A02 - XX X
A B C D E

A: Series
B: Current Rating
C: Version
D: Key Options (see bottom of page)
E: Housing Color

090	90 amps
120	120 amps

O	Orange
B	Black

Suitable Wire Gauge

Specification		Universal Model
AWG American Wire Gauge	Wire Standard: 4 AWG	120A
	Strand Outer Diameter: ø6.47 Max	
	O.D. (Outside Diameter): ø9.50 Max	
International Wire Gauge	Wire Standard: 25mm²	090A
	Strand Outer Diameter: ø7.20 Max	
	O.D. (Outside Diameter): ø9.80 Max	
AWG American Wire Gauge	Wire Standard: 6 AWG	090A
	Strand Outer Diameter: ø5.20 Max	
	O.D. (Outside Diameter): ø8.50 Max	
International Wire Gauge	Wire Standard: 16mm²	090A
	Strand Outer Diameter: ø5.80 Max	
	O.D. (Outside Diameter): ø8.00 Max	

Product Parameters

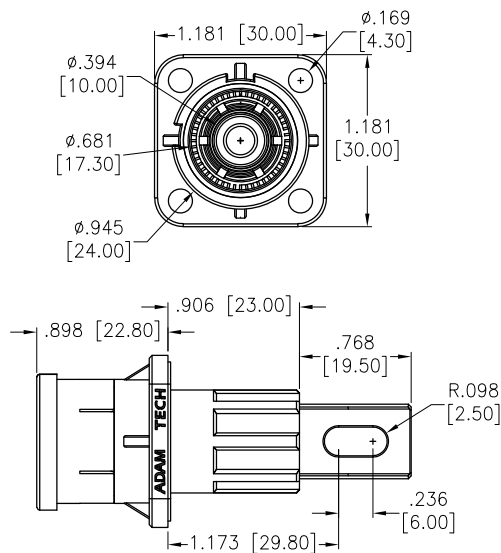
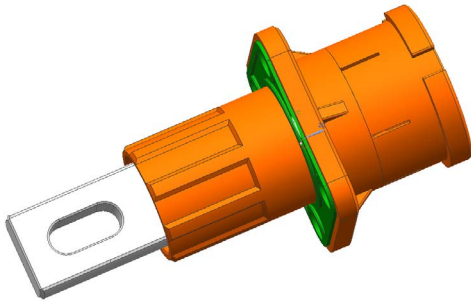
No.	Name	Parameters
1	Rated Current	090A MAX for 6 AWG and 16mm² 120A MAX for 4 AWG and 25mm²
2	Rated Voltage	1000V DC
3	Withstand Voltage	3800V DC
4	Contact Resistance	≤5.0mΩ MAX
5	Environment Temperature	-40°~+125°
6	Waterproofing Grade	IP67 (mating state)
7	Salt Spray Test	48H
8	Mating Life	≥500times
9	Fire Rating	UL 94-V0

Click [here](#) to view datasheet.

ESF-2XXA02-XXXXXX

Energy Storage Connector

Female



Product Number

ESF - 2XX A02 - XX X XXX
A B C D E F

A: Series
B: Current Rating
C: Version
D: Key Options (see bottom of page)
E: Housing Color
F: Terminal Type

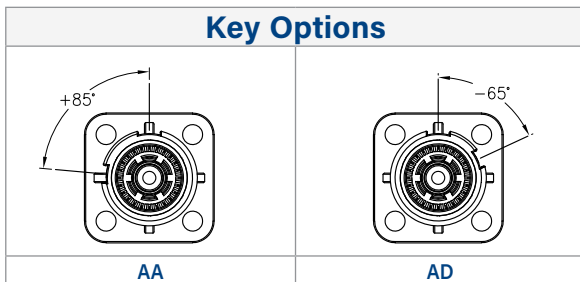
200	200 amps
250	250 amps

O	Orange
B	Black

Terminal Type Chart

Code	Terminal	Specification	Universal Model
010	Threaded Hole	M6x1.0 Thread	200A or 250A
020	Busbar (Threaded Hole)	M8x1.25 Thread	
030	Screw Post	M6x1.0 Thread	
040	Busbar (Through Hole)	ø5.0 Hole	
051	Crimp Adam Tech PN: (ESF-200A02-XX051)	AWG American Wire Gauge	200A
		Wire Standard: 1/0 AWG	
		Strand Outer Diameter: ø10.3 Max	
		O.D. (Outside Diameter): ø14.2 Max	
052	Crimp Adam Tech PN: (ESF-250A02-XX052)	International Wire Gauge	250A
		Wire Standard: 50mm²	
		Strand Outer Diameter: ø10.2 Max	
		O.D. (Outside Diameter): ø13.5 Max	
		AWG American Wire Gauge	
		Wire Standard: 2/0 AWG	
		Strand Outer Diameter: ø11.6 Max	
		O.D. (Outside Diameter): ø15.1 Max	
		International Wire Gauge	
		Wire Standard: 70mm²	
		Strand Outer Diameter: ø12.2 Max	
		O.D. (Outside Diameter): ø15.5 Max	

Key Options



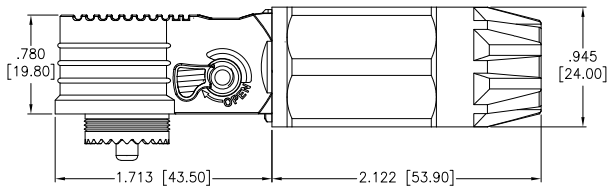
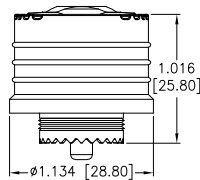
*Please contact info@adam-tech.com for additional key options.

Product Parameters

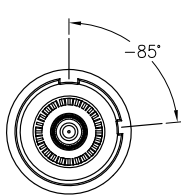
No.	Name	Parameters
1	Rated Current	200A MAX for 1/0 AWG and 50mm² 250A MAX for 2/0 AWG and 70mm²
2	Rated Voltage	1500V DC
3	Withstand Voltage	6800V DC
4	Contact Resistance	≤5.0mΩ MAX
5	Environment Temperature	-40°~+125°
6	Waterproofing Grade	IP67 (mating state)
7	Salt Spray Test	48H
8	Mating Life	≥500times
9	Fire Rating	UL 94-V0

Click [here](#) to view datasheet.

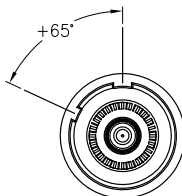
ESM-2XXA02-XXX Energy Storage Connector Male - Right Angle



Key Options



AA



AD

*Please contact info@adam-tech.com for additional key options.

Product Number

ESM - 2XX A02 - XX X
A B C D E

A: Series
B: Current Rating
C: Version
D: Key Options (see bottom of page)
E: Housing Color

200	200 amps
250	250 amps

O	Orange
B	Black

Suitable Wire Gauge

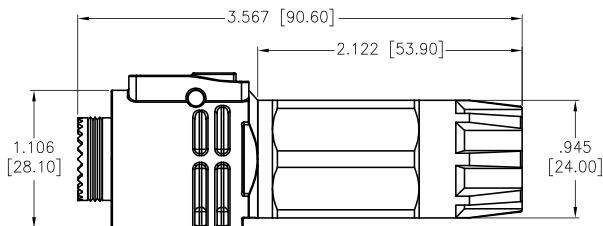
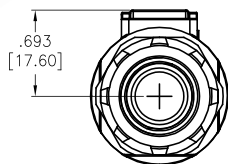
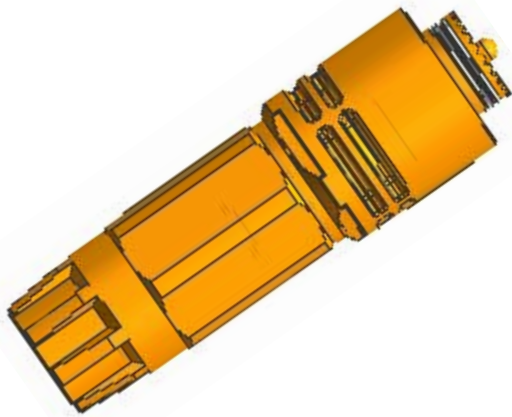
Specification		Universal Model
AWG American Wire Gauge	Wire Standard: 1/0 AWG	200A
	Strand Outer Diameter: $\phi 10.3$ Max	
	O.D. (Outside Diameter): $\phi 14.2$ Max	
International Wire Gauge	Wire Standard: 50mm ²	250A
	Strand Outer Diameter: $\phi 10.2$ Max	
	O.D. (Outside Diameter): $\phi 13.5$ Max	
AWG American Wire Gauge	Wire Standard: 2/0 AWG	250A
	Strand Outer Diameter: $\phi 11.6$ Max	
	O.D. (Outside Diameter): $\phi 15.1$ Max	
International Wire Gauge	Wire Standard: 70mm ²	250A
	Strand Outer Diameter: $\phi 12.2$ Max	
	O.D. (Outside Diameter): $\phi 15.5$ Max	

Product Parameters

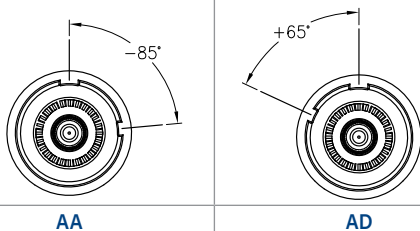
No.	Name	Parameters
1	Rated Current	200A MAX for 1/0 AWG and 50mm ² 250A MAX for 2/0 AWG and 70mm ²
2	Rated Voltage	1500V DC
3	Withstand Voltage	6800V DC
4	Contact Resistance	$\leq 5.0\text{m}\Omega$ MAX
5	Environment Temperature	-40°~+125°
6	Waterproofing Grade	IP67 (mating state)
7	Salt Spray Test	48H
8	Mating Life	≥ 500 times
9	Fire Rating	UL 94-V0

Click [here](#) to view datasheet.

ESM-2XXA01-XXX Energy Storage Connector Male - Vertical



Key Options



*Please contact info@adam-tech.com for additional key options.

Product Number

ESM - $\frac{2XX}{A}$ $\frac{A01}{C}$ - $\frac{XX}{D}$ $\frac{X}{E}$

A: Series
B: Current Rating
C: Version
D: Key Options (see bottom of page)
E: Housing Color

200	200 amps
250	250 amps

O	Orange
B	Black

Suitable Wire Gauge

Specification		Universal Model
AWG American Wire Gauge	Wire Standard: 1/0 AWG	200A
	Strand Outer Diameter: ø10.3 Max	
	O.D. (Outside Diameter): ø14.2 Max	
International Wire Gauge	Wire Standard: 50mm²	250A
	Strand Outer Diameter: ø10.2 Max	
	O.D. (Outside Diameter): ø13.5 Max	
AWG American Wire Gauge	Wire Standard: 2/0 AWG	250A
	Strand Outer Diameter: ø11.6 Max	
	O.D. (Outside Diameter): ø15.1 Max	
International Wire Gauge	Wire Standard: 70mm²	250A
	Strand Outer Diameter: ø12.2 Max	
	O.D. (Outside Diameter): ø15.5 Max	

Product Parameters

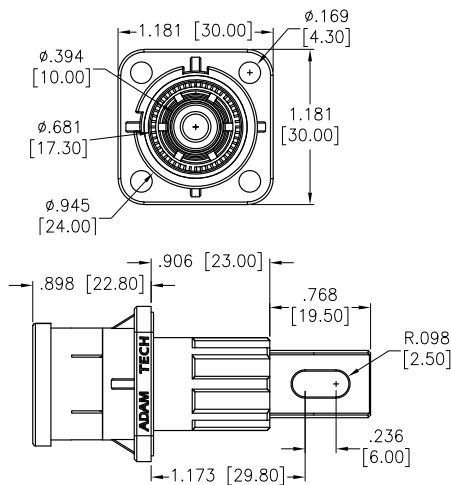
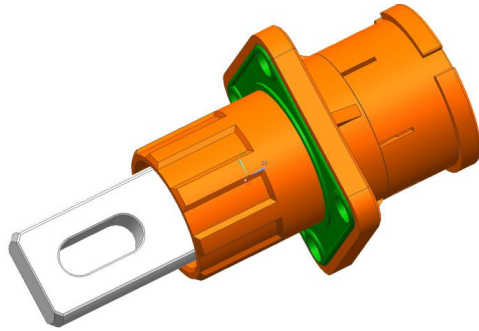
No.	Name	Parameters
1	Rated Current	200A MAX for 1/0 AWG and 50mm²
		250A MAX for 2/0 AWG and 70mm²
2	Rated Voltage	1500V DC
3	Withstand Voltage	6800V DC
4	Contact Resistance	≤0.5mΩ MAX
5	Environment Temperature	-40°~+125°
6	Waterproofing Grade	IP67 (mating state)
7	Salt Spray Test	72H
8	Mating Life	≥500times
9	Fire Rating	UL 94-V0

Click [here](#) to view datasheet.

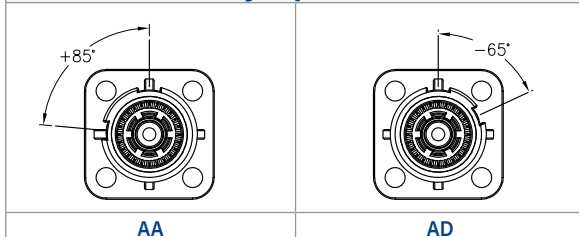
ESF-3XXA02-XXXXXX

Energy Storage Connector

Female



Key Options



*Please contact info@adam-tech.com for additional key options.

Product Number

ESF - 3XX A02 - XX X XXX
A B C D E F

A: Series
B: Current Rating
C: Version
D: Key Options (see bottom of page)
E: Housing Color
F: Terminal Type

300	300 amps
350	350 amps

O	Orange
B	Black

Terminal Type Chart

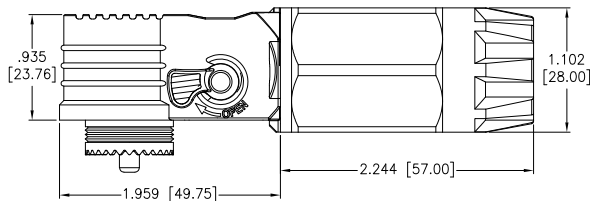
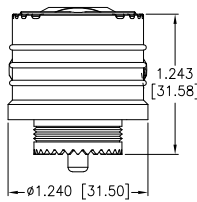
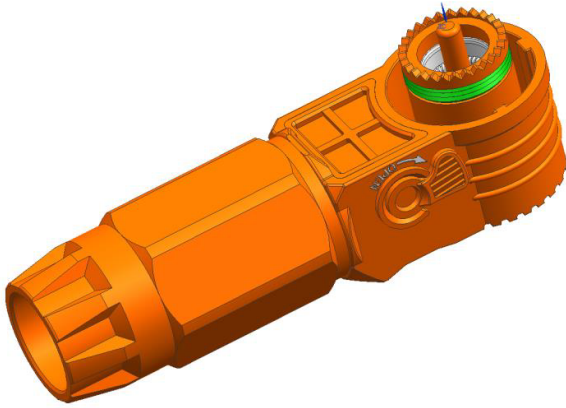
Code	Terminal	Specification	Universal Model
010	Threaded Hole	M6x1.0 Thread	300A or 350A
020	Busbar (Threaded Hole)	M8x1.25 Thread	
030	Screw Post	M6x1.0 Thread	
040	Busbar (Through Hole)	ø6.0 Hole	350A
051	Crimp Adam Tech PN: (ESF-350A02-XX051)	AWG American Wire Gauge Wire Standard: 4/0 AWG Strand Outer Diameter: ø14.7 Max O.D. (Outside Diameter): ø18.5 Max	
052	Crimp Adam Tech PN: (ESF-300A02-XX052)	International Wire Gauge Wire Standard: 95mm ² Strand Outer Diameter: ø14.2 Max O.D. (Outside Diameter): ø17.6 Max	

Product Parameters

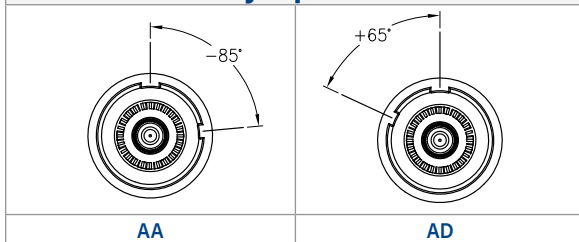
No.	Name	Parameters
1	Rated Current	300A MAX for 95mm ² 350A MAX for 4/0 AWG
2	Rated Voltage	1500V DC
3	Withstand Voltage	6800V DC
4	Contact Resistance	≤5.0mΩ MAX
5	Environment Temperature	-40°~+125°
6	Waterproofing Grade	IP67 (mating state)
7	Salt Spray Test	48H
8	Mating Life	≥500times
9	Fire Rating	UL 94-V0

Click [here](#) to view datasheet.

ESM-3XXA02-XXX Energy Storage Connector Male - Right Angle



Key Options



*Please contact info@adam-tech.com for additional key options.

Product Number

ESM - 3XX A02 - XX X
A B C D E

A: Series
B: Current Rating
C: Version
D: Key Options
E: Housing Color

300	300 amps
350	350 amps

O	Orange
B	Black

Suitable Wire Gauge

Specification		Universal Model
AWG American Wire Gauge	Wire Standard: 4/0 AWG	350A
	Strand Outer Diameter: ø14.7 Max	
	O.D. (Outside Diameter): ø18.5 Max	
International Wire Gauge	Wire Standard: 95mm ²	300A
	Strand Outer Diameter: ø14.2 Max	
	O.D. (Outside Diameter): ø17.6 Max	

Product Parameters

No.	Name	Parameters
1	Rated Current	300A MAX for 95mm ² 350A MAX for 4/0 AWG
2	Rated Voltage	1500V DC
3	Withstand Voltage	6800V DC
4	Contact Resistance	≤5.0mΩ MAX
5	Environment Temperature	-40°~+125°
6	Waterproofing Grade	IP67 (mating state)
7	Salt Spray Test	48H
8	Mating Life	≥500times
9	Fire Rating	UL 94-V0

Click [here](#) to view datasheet.

Power Line Filters

Adam Tech's EMI/RFI Power Line Filters are designed to block the incoming and outgoing interference of high-frequency signals. This allows devices to run without interruption. This broad product line offers a voltage rating of 115/250VAC, and current ratings ranging from 1A to 20A. A variety of options are available, including outline, mounting, termination, and switches.

FEATURES AND BENEFITS:

- Line filter type
- Flanged panel or chassis mount
- 115/250VAC voltage rating
- Current ratings ranging from 1 to 20 Amps
- Fused option
- Switch option
- Various termination options including quick connect, wire leads, terminal block, and screw
- Ideal for switching power supplies
- Prevents electromagnetic interference signals from reaching the input power line or the equipment
- UL Recognized

APPLICATIONS:

- Prevent interference and protect systems
- Clean power supply to enhance performance
- Traction, auxiliary power, and signaling/communication systems
- Motor controllers, inverters and converters
- Improve machine performance

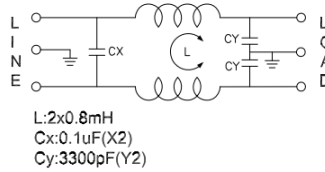


The products displayed in this section of the brochure represent the various types of Power Line Filters Adam Tech has to offer. Each part is available in other variations, such as with different current ratings and fuse options. Additional **medical grade** filters are also available. Please contact us with any inquiries.

PLF-11A1-6A-Q

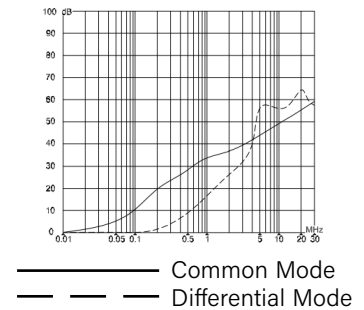


IEC Inlet Socket
QD Terminals, Flange Mount
115/250VAC, 6A



[VIEW FULL DATASHEET](#)

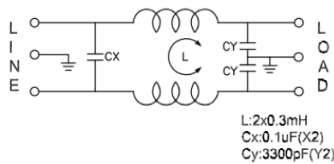
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PLF-11A1-10A-Q

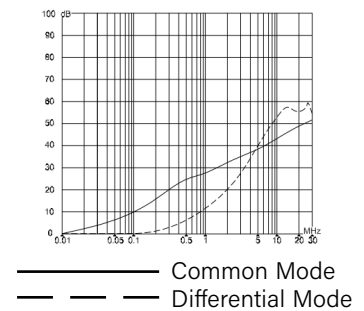


IEC Inlet Socket
QD Terminals, Flange Mount
115/250VAC, 10A



[VIEW FULL DATASHEET](#)

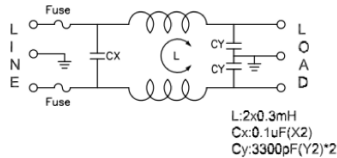
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PLF-11B2-6A-Q-R5

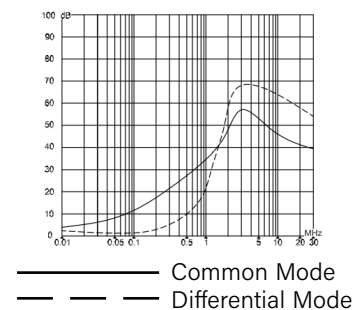


Medical Grade
Fused IEC Inlet Socket
QD Terminals, Flange Mount
115/250VAC, 6A



[VIEW FULL DATASHEET](#)

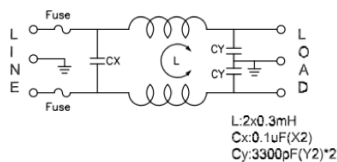
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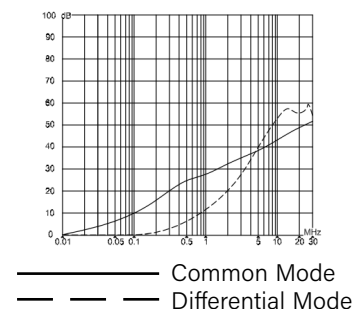


Fused IEC Inlet Socket
QD Terminals, Flange Mount
115/250VAC, 10A



[VIEW FULL DATASHEET](#)

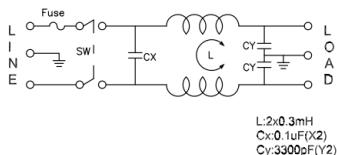
INSERTION LOSS



PLF-11C1-10A-Q

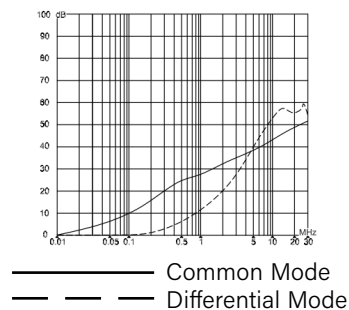


Power Entry Module
Fuse and Switch
Horizontal Flange Mount
115/250VAC, 10A



[VIEW FULL DATASHEET](#)

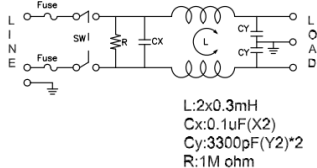
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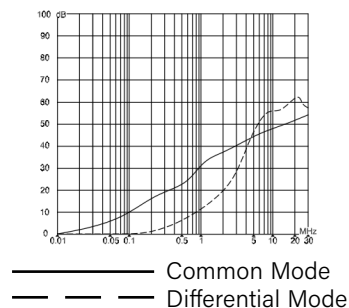


Power Entry Module
Fuse and Switch
Vertical Flange Mount
115/250VAC, 10A



[VIEW FULL DATASHEET](#)

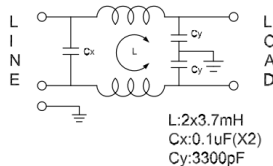
INSERTION LOSS



PLF-11E1-1A-W

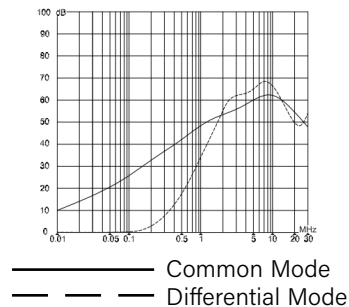


Medium Performance
Wire Leads w/ Ring Terminal
Chassis Mount
115/250VAC, 1A

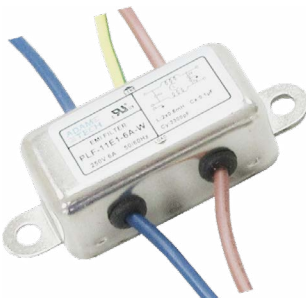


[VIEW FULL DATASHEET](#)

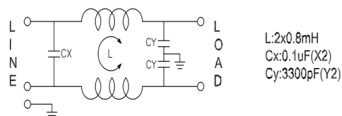
INSERTION LOSS



PLF-11E1-6A-W

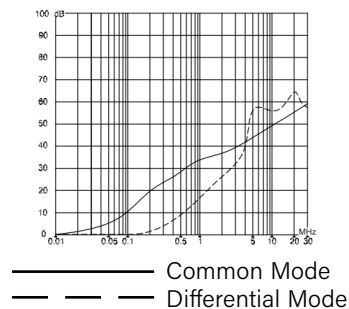


Medium Performance
Wire Leads, Chassis Mount
115/250VAC, 6A

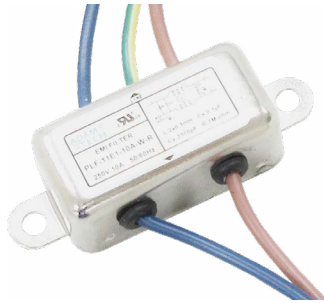


[VIEW FULL DATASHEET](#)

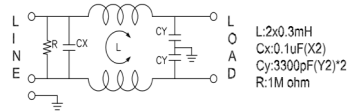
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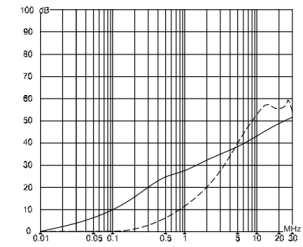


Medium Performance
Wire Leads, Chassis Mount
115/250VAC, 10A



[VIEW FULL DATASHEET](#)

INSERTION LOSS

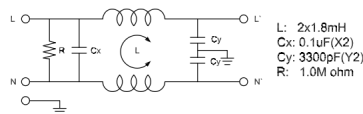


— Common Mode
- - - Differential Mode

PLF-11E3-6A-Q-R

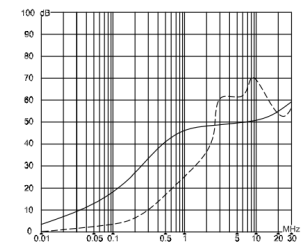


Medium Performance
QD Terminals, Chassis Mount
115/250VAC, 6A



[VIEW FULL DATASHEET](#)

INSERTION LOSS

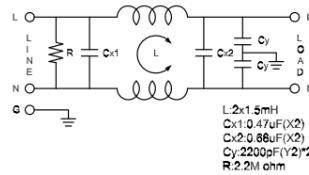


— Common Mode
- - - Differential Mode

PLF-12D2-3A-Q-R

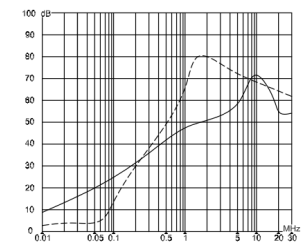


Medium Performance
QD Terminals, Chassis Mount
115/250VAC, 3A



[VIEW FULL DATASHEET](#)

INSERTION LOSS

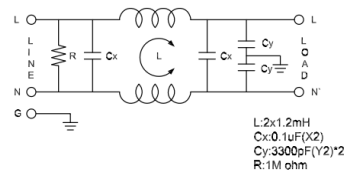


— Common Mode
- - - Differential Mode

PLF-12D2-10A-Q-R

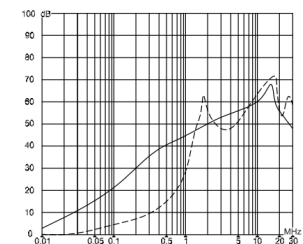


Medium Performance
QD Terminals, Chassis Mount
115/250VAC, 10A



[VIEW FULL DATASHEET](#)

INSERTION LOSS

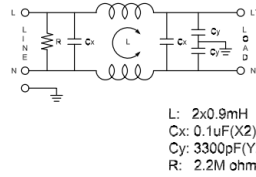


— Common Mode
- - - Differential Mode

PLF-12D4-20A-Q-R

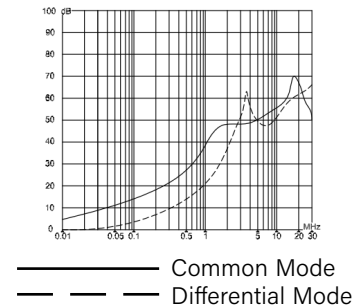


Medium Performance
QD Terminals, Chassis Mount
115/250VAC, 20A



[VIEW FULL DATASHEET](#)

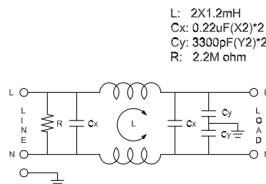
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PLF-12E4-10A-Q-R

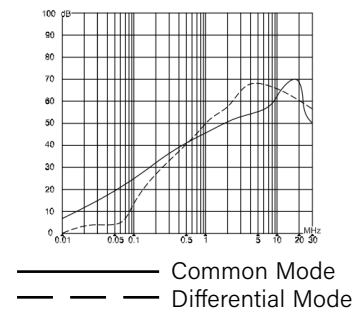


Medium Performance
QD Terminals, Chassis Mount
115/250VAC, 10A



[VIEW FULL DATASHEET](#)

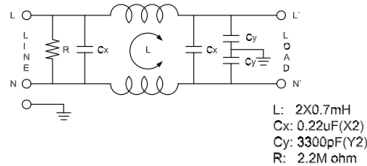
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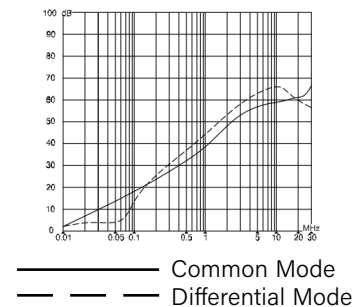


Medium Performance
Screw Terminals, Chassis Mount
115/250VAC, 20A



[VIEW FULL DATASHEET](#)

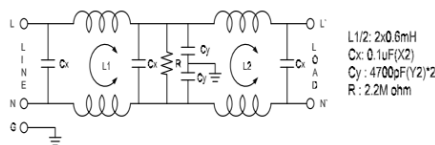
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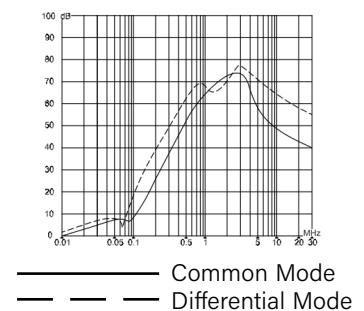


High Performance, Dual Stage
QD Terminals, Chassis Mount
115/250VAC, 10A



[VIEW FULL DATASHEET](#)

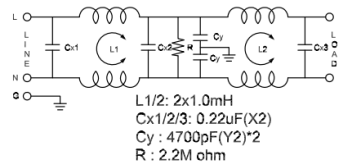
INSERTION LOSS



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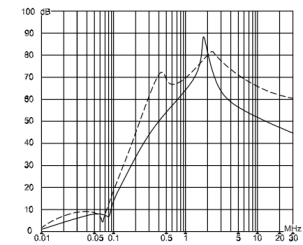


High Performance, Dual Stage
Terminal Block, Chassis Mount
115/250VAC, 20A



[VIEW FULL DATASHEET](#)

INSERTION LOSS

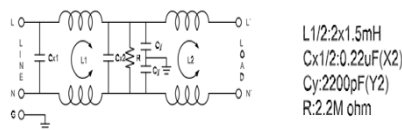


— Common Mode
- - - Differential Mode

PLF-22D1-6A-W

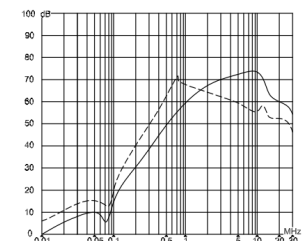


High Performance, Dual Stage
Wire Leads, Chassis Mount
115/250VAC, 6A



[VIEW FULL DATASHEET](#)

INSERTION LOSS

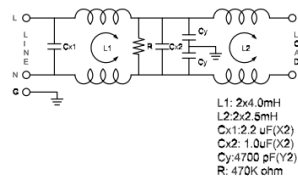


— Common Mode
- - - Differential Mode

PLF-22D6-20A-Q

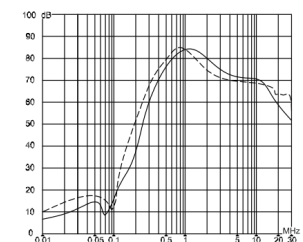


High Performance, Dual Stage
QD Terminals, Chassis Mount
115/250VAC, 20A



[VIEW FULL DATASHEET](#)

INSERTION LOSS

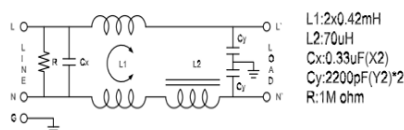


— Common Mode
- - - Differential Mode

PLF-27D1-3A-W

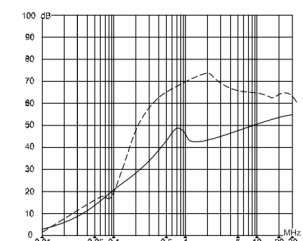


High Performance, Dual Stage
Wire Leads, Chassis Mount
115/250VAC, 3A



[VIEW FULL DATASHEET](#)

INSERTION LOSS



— Common Mode
- - - Differential Mode

Switches: Rocker ▪ Toggle ▪ Pushbutton ▪ Keylock

Adam Tech's board switch range offers a variety of options, including termination style, circuit, function, and actuator types. Specialty switches are available, such as ruggedized and sealed waterproof. The Adam Tech Switch line provides the versatility necessary to be integrated into a wide range of market applications.



FEATURES AND BENEFITS:

- Sealed waterproof and other specialty switches
- Circuits: SPST, SPDT, DPST, DPDT, and 3PDT
- Multiple function options
- Solder type, PCB and quick connect terminations
- Variety of actuator types
- LED lighted actuators w/ color options
- UL Recognized File no. WOYR2.E520713

ROCKER SWITCHES SPECIFICATIONS:

Material:

Housing: PA66
Actuator: PA66
Contacts: Copper Alloy
Terminals: Brass

Plating:

Contacts: Silver or Gold
Terminals: Silver over Copper underplate

Electrical:

Operating Voltage Range: 20 to 250 V AC
Current Rating Range: 0.4 to 20 Amps
Contact Resistance Range: 10 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage: 1500V AC for 1 Minute

TEMPERATURE RATING:

Operating Temperature Range: -30°C ~ +85°C

TOGGLE SWITCHES SPECIFICATIONS:

Material:

Housing: PA66 or Bakelite
Toggle Handle: Brass
Contacts: Copper Alloy
Terminals: Brass

Plating:

Toggle Handle: Chrome
Contacts: Silver or Gold
Terminals: Tin, Silver or Gold

Electrical:

Operating Voltage Range: 125 to 250 V AC
Current Rating Range: 1.5 to 12 Amps
Contact Resistance Range: 10 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 1000 to 1500V AC for 1 Minute

TEMPERATURE RATING:

Operating Temperature Range: -30°C ~ +85°C

PUSHBUTTON SWITCHES SPECIFICATIONS:

Material:

Body: ABS, PA66, PC, or PBT
Button: Stainless steel, ABS, PC, or POM
Contacts: Copper Alloy
Terminals: Brass

Plating:

Contacts: Tin, Silver or Gold
Terminals: Tin, Silver or Gold

Electrical:

Operating Voltage Range: 32 to 250 V AC
Current Rating Range: 0.4 to 16 Amps
Contact Resistance Range: 10 to 50 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 1000 to 2000V AC for 1 Minute

TEMPERATURE RATING:

Operating Temperature Range: -30°C ~ +85°C

KEYLOCK SWITCHES SPECIFICATIONS:

Material:

Housing: Steel
Terminals: Brass

Plating:

Housing: Polished chrome
Terminals: Tin or Silver

Electrical:

Operating Voltage Range: 125 to 250 V AC
Current Rating Range: 0.5 to 4 Amps
Contact Resistance Range: 20 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 500 to 1500V AC for 1 Minute

TEMPERATURE RATING:

Operating Temperature Range: -25°C ~ +85°C

Rocker Switches

Adam Tech's Rocker Switch offering is composed of miniature, sub-miniature, and medium sized rocker switches. Specialized sealed rockers are available, with IP67 waterproof ratings. These rocker switch types are offered with various termination options, circuits, functions, and actuators. Standard and LED lighted actuators are available in multiple colors, shapes, and actuator markings.



FEATURES AND BENEFITS:

- Variety of Rocker Switch types
- Sealed waterproof IP67 versions
- Solder type, PCB and quick connect terminations
- Circuits: SPST, SPDT, DPST, and DPDT
- Functions: ON-ON, ON-OFF, OFF-(ON), ON-OFF-ON, and (ON)-OFF-ON
- Rocker shapes: round and rectangular (curved and standard V)
- Standard and custom actuator markings
- LED lighted actuators w/ color options

APPLICATIONS:

- Lighting and auxiliary lighting controls
- Onboard and operator control panels
- Power distribution and accessory control
- Instrumentation and display power
- Climate and environmental control systems
- Industrial and mobile equipment operation
- Safety and system enable/disable functions

ROCKER SWITCH PART NUMBER CONFIGURATION

SW	-	R	-	1	-	A	-	S	-	LR	1	-	1
ITEM		TYPE		CONTACT FORM		SWITCH FUNCTION		TERMINAL OPTION		ACTUATOR COLOR		ACTUATOR MARKING	VERSION / STYLE
SW = Switch		R = Rocker R1 = Medium Rocker R2 = Miniature Rocker R3 = Subminiature Rocker		1 = SPST 2 = SPDT 3 = DPST 4 = DPDT 5 = 3PST 6 = 3PDT		A = ON-OFF B = ON-ON C = OFF-(ON) D = ON-(ON) E = ON-OFF-ON F = ON-OFF-(ON) G = (ON)-OFF-(ON) H = (ON)-OFF-ON J = (ON)-OFF K = (ON)-ON		A = Solder B = PCB Vertical C = PCB R/A D = Screw Lug E = QC .250" [6.35mm] F = QC .187" [4.80mm]		Blank = Standard Black SB = Small Black W = White R = Red G = Green Y = Yellow B = Blue O = Orange LW = Lighted White LR = Lighted Red LG = Lighted Green LY = Lighted Yellow LB = Lighted Blue LO = Lighted Orange		1 = 2 = 3 = 4 = 5 = 6 =	See Datasheets

SW-R1-1A-E-1-0

Medium Rocker



[View Datasheet](#)

SW-R1-3A-E-LG13-2A

Medium Rocker



[View Datasheet](#)

SW-R1-3A-E-LR13-0

Medium Rocker



[View Datasheet](#)

SW-R1-3C-E-1-2

Medium Rocker



[View Datasheet](#)

SW-R2-1A-F-LR13-5

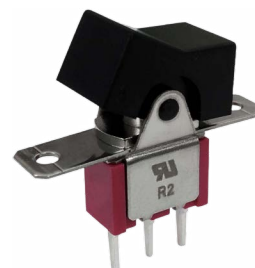
Miniature Rocker



[View Datasheet](#)

SW-R2-2B-B-5-10

Miniature Rocker



[View Datasheet](#)

SW-R2-3A-F-LR13-4

Miniature Rocker



[View Datasheet](#)

SW-R2-4B-S-1-1

Miniature Rocker



[View Datasheet](#)

SW-R3-1A-A-1-0

Subminiature Rocker



[View Datasheet](#)

SW-R3-1A-A-1-2

Subminiature Rocker



[View Datasheet](#)

SW-R3-2B-B-5-13

Subminiature Rocker



[View Datasheet](#)

SW-R3-2B-C-SB5-G-14

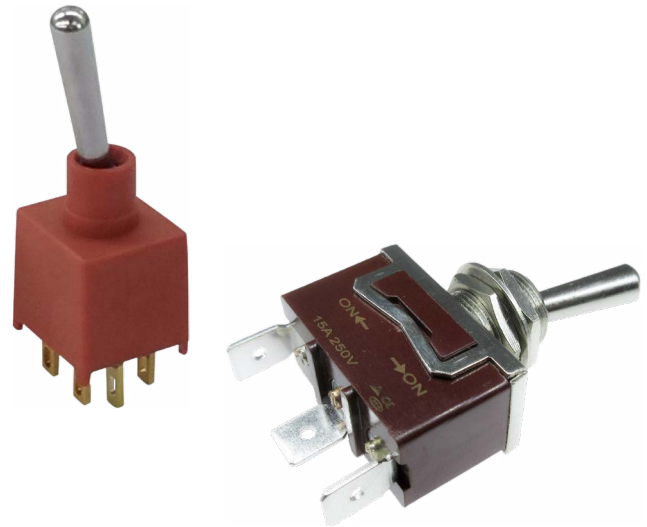
Subminiature Rocker



[View Datasheet](#)

Toggle Switches

Adam Tech Toggle Switches are medium, sub-miniature, and miniature switches that are manually actuated by a mechanical lever. They are available in low current, power, and sealed (waterproof) IP67/IP68 versions. Commonly used as light duty control switches, these toggle switches are ideal for switching both high and low currents. This product line boasts a variety of termination styles, circuits, functions, and actuator lengths, making it ideal for a broad range of applications.



FEATURES AND BENEFITS:

- Variety of Toggle Switch sizes and orientations
- Sealed IP67 waterproof
- Sealed power IP68 waterproof
- Termination styles: solder type, PCB type, screw lug, PCB terminal, and quick connect terminal
- Circuits: SPST, SPDT, DPST, DPDT, and 3PDT
- Functions: ON-ON, ON-OFF, OFF-(ON), and ON-OFF-ON
- Various actuator length options

APPLICATIONS:

- Ignition and engine start/stop functions
- Lighting and signaling controls
- Manual override and system selection
- Power control for accessories and equipment
- Hydraulic and mechanical system activation
- Vehicle and equipment operation controls
- Safety and emergency functions

TOGGLE SWITCH PART NUMBER CONFIGURATION

SW	-	T1	-	1	-	A	-	S	-	A	-	(S)	-	1
ITEM		TYPE		CONTACT FORM		SWITCH FUNCTION		TERMINAL OPTION		HANDLE OPTION		CONTACT MATERIAL		VERSION / STYLE
SW = Switch		T = Toggle T1 = Medium Toggle T2 = Miniature Toggle T3 = Subminiature Toggle T4 = Power Toggle		1 = SPST 2 = SPDT 3 = DPST 4 = DPDT 5 = 3PST 6 = 3PDT 7 = SP3T		A = ON-OFF B = ON-ON C = OFF-(ON) D = ON-(ON) E = ON-OFF-ON F = ON-OFF-(ON) G = (ON)-OFF-(ON) H = (ON)-OFF-ON		A = Solder B = PCB Vertical C = PCB R/A D = Screw Lug E = QC .250" [6.35mm] F = QC .187" [4.80mm]		A2 = 11.0mm B2 = 21.0mm C2 = 6.9mm D2 = 12.5mm E2 & G2 = 15.0mm F2 = 12.0mm L2 = 17.0mm FL2 = 21.0mm A3 = 9.4mm C3 = 5.4mm D3 = 8.9mm Blank = 17.5mm C1 = 14.0mm D1 = 18.0mm E1 = 28.0mm L1 = 50.0mm TA1 = 16.2mm T1 = 12.6mm T2 = 7.6mm T3 = 10.7mm		S = Silver G = Gold		See Datasheets

SW-T1-1A-B-K1

Medium Toggle



[View Datasheet](#)

SW-T1-3A-D-K2

Medium Toggle



[View Datasheet](#)

SW-T1-4B-B-K2A

Medium Toggle



[View Datasheet](#)

SW-T1-6B-D-C1-K3

Medium Toggle



[View Datasheet](#)

SW-T2-3A-A-A2-M2

Miniature Toggle



[View Datasheet](#)

SW-T2-4B-A-T1-S-03

Miniature Toggle



[View Datasheet](#)

SW-T2-4B-B-A2-MA2

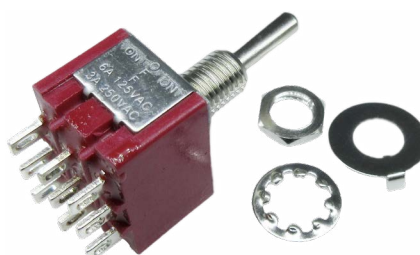
Miniature Toggle



[View Datasheet](#)

SW-T2-6E-A-A2-M3

Miniature Toggle



[View Datasheet](#)

SW-T3-2B-A-A3-S1

Subminiature Toggle



[View Datasheet](#)

SW-T3-4B-A-T3-S-05

Subminiature Toggle



[View Datasheet](#)

SW-T4-1A-E-TA1-01

Power Toggle



[View Datasheet](#)

SW-T4-2B-E-TA1-01

Power Toggle



[View Datasheet](#)

Pushbutton Switches

Pushbutton switches are tactile switches commonly used in industrial control panels to operate circuits within a device. Adam Tech offers a vast line of Pushbutton Switches including both metal and plastic shell types. They are available in standard, miniature, and subminiature sizes. Operationally they include snap-acting, alternate acting, low profile, and illuminated pushbutton switches. Specialty pushbuttons including anti-vandal, industrial, high current, high performance, and sealed IP67/IP68 waterproof switches are also available. All pushbutton switches are offered in various termination styles, circuits, functions, and actuator types.



FEATURES AND BENEFITS:

- Variety of Pushbutton Switch types
- IP68 and IP67 sealed waterproof
- IP68 high performance
- High current
- Anti-vandal
- Termination styles: solder type, PCB type, screw lug, and surface mount
- Circuits: SPST, SPDT, and DPDT
- Functions: ON-ON, ON-OFF,

- OFF-ON, Momentary, Latching, ON-Momentary, OFF-Momentary, NO-NC Momentary, 1NO-1NC (Momentary or Latching), ON-OFF Latching, OFF-ON Momentary, and ON-ON Latching
- Actuator types: round button, round plunger, and square button
- LED lighted actuators w/ color options

APPLICATIONS:

- Start/stop and momentary control functions
- Operator and dashboard controls
- Industrial and mobile control panels
- Automation and system activation
- Safety interlocks and emergency stops
- Accessory and auxiliary equipment control
- User interface inputs for equipment operation

PUSHBUTTON SWITCH PART NUMBER CONFIGURATION

SW-	PB	- 1 A S -	A	-	RX	- Y - B1 -	Q	-	1	- 1
ITEM	TYPE		TERMINAL OPTION		LED TYPE		CONTACT MATERIAL		LED VOLTAGE (ANTI-VANDAL)	
SW = Switch	PB1 = Plastic Pushbutton PB2 = Plastic Waterproof PB3 = Foot Switch PB4 = Game Switch PB5 = Industrial Switch PB6 = Door Switch PB7 = Ant-Vandal Switch PB8 = Snap Acting Switch PB9 = Subminiature PB10 = High Performance Sealed PB11 = IP67 Front Panel Protection Illuminated		A = Solder B = PCB Vertical C = PCB R/A D = Screw Lug E = QC .250" [6.35mm] F = QC .187" [4.80mm]		R = Ring Illuminated L = Laser Power Logo LR = Laser Power Logo + Ring LS = Lens Illuminated C = Custom Laser Symbol F = Full Illuminated LED COLOR Blank = Standard Black SB = Small Black W = White R = Red G = Green Y = Yellow B = Blue O = Orange S = Silver RG = Red/Green RY = Red/Yellow RB = Red/Blue RW = Red/White GB = Green/Blue RGB = Red/Green/Blue RGY = Red/Green/Yellow RGW = Red/Green/White RBW = Red/Blue/White		Q = Silver P = Silver (Tin Plated Terminals) R = Gold K = Gold (Tin Plate Terminals) G = Silver (Gold Plated Terminals)	1 = 3V 2 = 6V 3 = 12V 4 = 24V 5 = 48V 6 = 110V 7 = 220V		
		CONTACT FORM 1 = SPST 2 = SPDT 3 = DPST 4 = DPDT 5 = 3PST 6 = 3PDT 7 = SP3T	SWITCH FUNCTION A = OFF-ON B = OFF-MOM C = ON-MOM D = ON-OFF E = 1NO-1NC F = 1NC G = 2NO-2NC H = 2NC J = ON-ON K = ON-(ON)	FUNCTION S = Momentary Z = Latching		SHAPE Y = Round F = Square J = Rectangle R = Emergency M = Mushroom X = Rotary Type K = Key Type H = Hexagonal	BUSHING See datasheets	VERSION / STYLE See datasheets		

SW-PB1-1DZ-A-P1-A

Plastic Pushbutton



[View Datasheet](#)

SW-PB2-2EZ-A-L1

IP67 Sealed Metal Pushbutton



[View Datasheet](#)

SW-PB5-AA2BR112V-IP40-8

IP40 Industrial Pushbutton



[View Datasheet](#)

SW-PB7-01PB4EBRBM

Anti-Vandal Pushbutton



[View Datasheet](#)

SW-PB7-03LB22CFRR12V

LED Ring, Flat Anti-Vandal Pushbutton



[View Datasheet](#)

SW-PB7-06LB22FFPG12V

High Current Anti-Vandal Pushbutton



[View Datasheet](#)

SW-PB7-07LB42CRRB12V

LED Ring, Raised Anti-Vandal Pushbutton



[View Datasheet](#)

SW-PB8-AA00B11GE-2

Snap Acting Pushbutton



[View Datasheet](#)

SW-PB8-BE222QE-1

Snap Acting Pushbutton



[View Datasheet](#)

SW-PB9-BB00BQE-5

Subminiature Pushbutton



[View Datasheet](#)

SW-PB10-AAA1QE-4

IP68 Sealed Pushbutton



[View Datasheet](#)

SW-PB11-1CSG-10

IP67 Front Panel Protection Illuminated Pushbutton



[View Datasheet](#)

Keylock Switches

Keylock switches are rotary switches that utilize a lock and key for additional security. Adam Tech's Keylock Switch offering is composed of a variety of panel mount, solder terminal switches. These switches are available in various panel cutout dimensions, circuits, and functions. Key pull options include single position and multiple positions.

FEATURES AND BENEFITS:

- Panel mount, solder terminal keylock switches
- Panel cutout dimensions: 19mm, 16mm, 15mm, 14.5mm, and 12mm
- Circuits: SP, DP, and SPDT
- Functions: ON-ON, ON-OFF, and OFF-ON-ON
- Single key pull and multiple key pull options

APPLICATIONS:

- Ignition and engine enable/disable functions
- Authorized operator control and access restriction
- Safety lockouts for critical systems
- Equipment power enable and mode selection
- Security control for vehicles and mobile equipment
- Industrial and control panel applications
- Agriculture and heavy equipment operation



KEYLOCK SWITCH PART NUMBER CONFIGURATION

SW - K - 3			
ITEM	TYPE	VERSION	
SW = Switch	K = Keylock	1-7 = ON-OFF 5A = OFF-(ON) 7A = OFF-ON-ON 8 = ON-ON 9 = 3P ON-ON 9A = 6P ON-ON 10 = 2P ON-OFF 11-12 = DPST 4P ON-OFF 11A-12A = SPDT 4P ON-ON 13 = SP ON-ON 13A = DP ON-ON 13B = SP ON-ON-ON 13C = DP ON-ON-ON 14 = SP ON-(ON) 14A = DP ON-(ON) 14B = SP ON-ON-(ON) 14C = DP ON-ON-(ON) 14D = SP or DP (ON)-ON-(ON) 15 = SP ON-OFF	

SW-R-K1-A

11.3mm, Flat Top, ON-OFF, Flat Key



[View Datasheet](#)

SW-R-K4-A

12mm, Flat Top, ON-OFF, Flat Key



[View Datasheet](#)

SW-R-K5-A

11.5mm, Raised Top, ON-OFF, Tubular Key



[View Datasheet](#)

SW-R-K7A-A

16mm, Flat Top, ON-OFF, Dome Flat Key



[View Datasheet](#)

SW-R-K8-A

16mm, Raised Top, ON-ON, Flat Key



[View Datasheet](#)

SW-R-K9-A

16mm, Raised Top, ON-ON, Flat Key



[View Datasheet](#)

SW-R-K10-A

19mm, Raised Top, ON-OFF, Flat Key



[View Datasheet](#)

SW-R-K11B-A

19mm, Raised Top, ON-ON, Flat Key



[View Datasheet](#)

SW-R-K13A-A

19mm, Dome Top, ON-ON, Flat Key



[View Datasheet](#)

Modular & Magnetic Jacks

Adam Tech's MTJ Series is a complete line of PCB Modular Jacks, which are UL and CSA approved and meet all required FCC rules and regulations. This product line is composed of Single, Dual, and Quad Port configurations available in a multitude of sizes (4P2C through 10P10C), with options for stacked, integrated magnetics, metal shielding, panel grounds, and LED's. Hybrid combinations with USB are also available.

Adam Tech's integrated magnetics (transformers) are designed to support 10/100, 100, 1G, 2.5G, 10G, 25G, and 40G Base-T applications such as hubs, routers, ADSL modems, and ATM transmission equipment. The integrated magnetics allows the design engineer to save PC board real-estate and lower the total part count per system. This series meets all applicable specifications for CAT 5, 5e, 6, 6a, and 8, supporting speeds of up to 40GBs in performance. They are built to meet Category 5e, 6, or 6a performance according to TIA/EIA 568-C-2. These jacks support all Gigabyte and Ethernet Protocols.

Versions include PoE (Power over Ethernet), metal shielding for EMI protection with ground peg location options, ground fingers, and LED's for link/activity indication and network speed verification. Adam Tech's magnetics configurations and schematics are highly customizable and interchangeable due to our in-house winding design and production. In general, Adam Tech's Modular Jacks series is highly customizable with high flexibility in tooling new designs or making modifications for a specific style to accommodate applicational requirements.

FEATURES AND BENEFITS:

- Sizes ranging from 4P2C to 10P10C
- Single, Ganged, and Stacked jacks
- Integrated magnetics options
- Metal shielding options
- Variety of LED color options
- Panel ground available
- Hybrid MTJ/USB jacks
- Through hole and surface mount
- Speeds up to 40GBs

APPLICATIONS:

- Data transmission
- Advanced Driver Assistance Systems (ADAS)
- Infotainment and telematics
- Onboard Diagnostics (OBD)
- Passenger controls
- Display systems

To view our full offering,
please [click here](#).

Contact us at
info@adam-tech.com
for custom solutions.



Wire-to-Board Power Connectors

Adam Tech's Wire-to-Board Power Connector Series is a complete interconnect system engineered for reliable power delivery between cable assemblies and printed circuit boards. Spanning pitches from 0.098" (2.50 mm) to 0.250" (6.35 mm), the family includes PCB headers, durable housings, and matching crimp terminals available in single, dual, and triple row configurations. Each mated set pairs a wire-mounted housing loaded with crimp contacts to a PCB-mounted header that locks firmly in place, ensuring a secure connection even in demanding electrical or mechanical environments. The components are molded from Nylon 6/6 with UL94V-2 or UL94V-0 flammability ratings and incorporate polarization features, vibration-resistant latching mechanisms, and alignment pegs on the headers for fast, accurate, and dependable assembly.

FEATURES AND BENEFITS:

- Comprehensive system: PCB headers, wire housings, and crimp terminals designed to work together
- Wide pitch selection ranging from 0.098" (2.50 mm) to 0.250" (6.35 mm)
- Multiple single-row and dual-row circuit counts to fit varied power requirements
- Secure mating via wire-mounted housings populated with crimp terminals engaging with PCB headers
- Nylon 6/6 insulators available in UL94V-2 or UL94V-0 flame ratings for enhanced safety
- Integrated polarization features that prevent improper mating orientation
- Robust latch mechanisms engineered to withstand heavy vibration and mechanical stress
- PCB headers equipped with molded alignment pegs for stable board mounting and simplified assembly
- Crimp terminals offered in multiple plating options (e.g., tin or selective plating) to support optimized conductivity and durability
- Compatibility with a range of wire gauges suitable for mid- to high-current applications

APPLICATIONS:

- Engine, motor, and auxiliary power distribution
- Safety and braking systems
- ADAS and sensor interfaces
- Infotainment and user-interface modules
- Interior and exterior vehicle lighting
- Power supplies and converters
- Communications and signal equipment
- Sensors and actuators
- Hydraulic and pneumatic controls
- Robotics and automation systems
- Precision agriculture equipment
- Distributed control networks



To view our full offering,
please click [here](#).

D-Sub Connectors

Adam Tech delivers a comprehensive portfolio of D-Sub Connectors engineered to support a wide range of signal, power, and mixed-technology requirements. The series includes both plugs and sockets in 9, 15, 25, 26, and 37 positions, offered across multiple shell sizes and mounting configurations. Customers can choose from an array of termination styles and flange options, as well as specialized versions for coaxial and high-current needs. The lineup also features stacked and high-density formats for space-constrained designs. To round out the offering, Adam Tech provides a full accessory suite including jackscrews, backshells, hoods, strain reliefs, contacts, and housings.

FEATURES AND BENEFITS:

- Wide selection of position counts: 9, 15, 25, 26, and 37
- Plugs and sockets available across multiple shell sizes
- Variety of mounting options including panel mount, board mount, and right-angle configurations
- Multiple termination styles such as solder cup, solder pin, crimp, and PCB termination
- Flange, hardware, and shell-finishing variations to match mechanical requirements
- Options for coaxial, high-current, and mixed-signal D-Sub configurations
- High-density and stacked versions for compact system layouts
- Accessory ecosystem including backshells, strain reliefs, contacts, jackscrews, and housings

APPLICATIONS:

- Train Control and Monitoring Systems (TCMS)
- Sensors and actuators
- Data and signal transmission
- Industrial control modules
- DGPS precision systems for precision spraying and fertilizer applications
- ISOBUS tractor networks
- Machinery control systems
- Equipment monitoring
- Machine-to-machine interfaces



To view our full offering,
 please click [here](#).

M12/M8 Connectors

Adam Tech's M12 and M8 connector systems deliver rugged, high-reliability connectivity engineered for environments where durability, ingress protection, and consistent signal integrity are critical. Offered in both board-mount and cable-mount formats, including field-assembly options and overmolded assemblies, these compact circular connectors support A, B, C, D, and X coding for a wide range of data, power, and sensor interfaces. With waterproof ratings from IP67 to IP69, this series provides dependable performance across harsh industrial, automotive, and outdoor applications.

FEATURES AND BENEFITS:

- Waterproof performance rated from IP67 to IP69 for demanding environments
- Multiple coding options (A, B, C, D, X) supporting data, power, and sensor interfaces
- Offered in panel-mount, board-mount, field-assembly, and overmolded cable assemblies
- Available in male and female formats with straight, right-angle, PCB, solder-cup, and IDC versions
- Compact M8 and M12 sizes enable high-density, space-constrained industrial designs
- Durable construction suitable for vibration-prone and outdoor installations
- Broad portfolio including connectors, housings, caps, and crimp/field-assembly terminations

APPLICATIONS:

- Sensors and actuators
- Engine management and diagnostics
- Safety and monitoring systems
- Infotainment and lighting
- Industrial Ethernet and communications
- Remote diagnostics and control
- Rail control and monitoring
- Agricultural sensing (soil, climate, nutrients)
- Farm equipment and machinery
- Smart greenhouse automation
- Robotics and automated systems



To view our full offering,
please click [here](#).

Euro Blocks

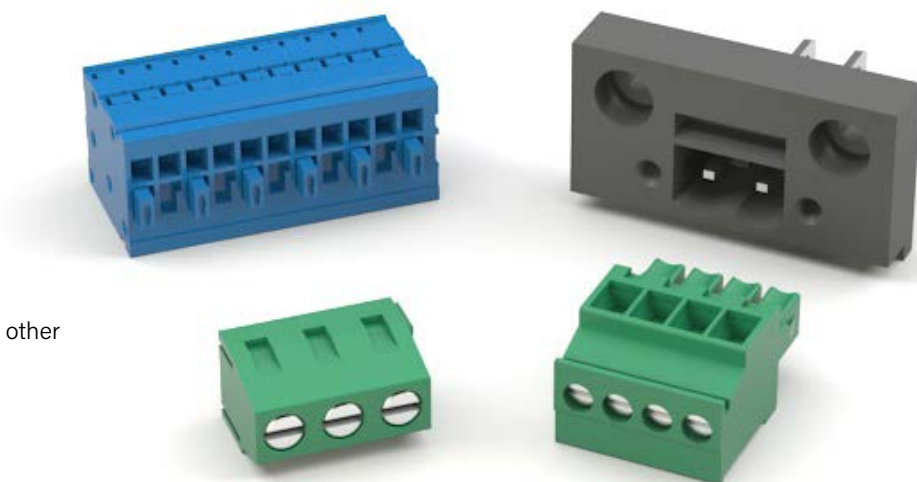
Adam Tech's EB Series Euro Blocks deliver a versatile and dependable solution for PCB-level wire termination across a wide range of industrial and control-system designs. The series spans multiple sizes and profiles with pitch options from 3.50 mm to 15.00 mm, and is offered in top-entry, side-entry, and angled-entry formats to accommodate a variety of layout requirements. The lineup also includes two-piece pluggable versions and lever-actuated styles for faster installation and field service. Each block incorporates a refined wire-guard design and is manufactured with tight mechanical precision to ensure smooth operation, secure retention, and long-term reliability.

FEATURES AND BENEFITS:

- Pitch options from 3.50 mm to 15.00 mm for flexible PCB layouts
- Top-entry, side-entry, and side-angle wire insertion orientations
- Available in one-piece or two-piece pluggable configurations
- Lever-actuated variants for tool-free termination and easier field maintenance
- Rugged wire-guard architecture for secure clamping and enhanced safety
- Precision-machined components for consistent torque and reliable mating cycles
- Wide range of circuit counts, profile heights, and mounting styles
- Options for closed, open, or rising-clamp mechanisms

APPLICATIONS:

- Control systems and panels
- Signaling
- HVAC
- Lighting and door controls
- Power distribution
- Sensors and actuators
- Robotics
- Farm equipment (tractors, harvesters, and other heavy machinery)



To view our full offering,
please click [here](#).

DIN 41612 Connectors

Adam Tech's DIN 41612 Series provides a highly adaptable two-piece connector system designed for robust PCB-to-PCB, backplane, daughtercard, and peripheral interface applications. The lineup spans an extensive range of body sizes, row configurations, and contact counts, offered in both straight and right-angle orientations. Options include selective contact loading across A, B, C, and D rows, make-first/break-last contacts, multiple contact lead-length choices, and a variety of plating finishes. Available in 0.100" (2.54 mm) and 0.200" (5.08 mm) centerline spacing, the series includes short-body and long-body versions with solder-tail, high-temperature insulators, IDC options, and board-lock variants, all built to deliver reliable performance in demanding industrial and embedded systems.

FEATURES AND BENEFITS:

- Broad portfolio of male and female connectors in straight or right-angle PCB-mount orientations
- Wide selection of body styles: short-body and long-body versions supporting 2-, 3-, or 4-row configurations
- Multiple contact counts available, including 16, 20, 32, 48, 64, 96, 128, 160, 200, and 240 positions
- Options for row-specific loading (A, B, C, D rows) to tailor pin population to system requirements
- Contact spacing of 0.100" (2.54 mm) or 0.200" (5.08 mm), suitable for a wide variety of board designs
- Available features include:
 - Selective contact loading
 - Make-first/break-last sequencing contacts
 - High-temperature insulators for elevated-heat or lead-free solder environments
 - Board-lock versions for enhanced mechanical stability
 - IDC termination options for high-volume cable assembly
 - Robust solder-tail designs with common 0.157" tail lengths
 - Durable contact plating options to suit electrical and mechanical performance needs
 - Fully compliant with RoHS and REACH requirements

APPLICATIONS:

- Train Control and Monitoring Systems (TCMS)
- Signaling and wayside communication
- Power and data distribution
- Onboard infotainment



To view our full offering,
please click [here](#).

Certifications



ISO 14001



ISO 45001



ISO 9001:2015



ISO 9001:2015 - Vietnam



IATF 16949



ISO 13485



USB-IF



UL (AXUT2.E224052) - Attachment Plugs, Fuseless



UL (AYVZ2.E224050) - Attachment Plugs with Overload Protection



UL (BBTH2.E537617) - Intercell and Intertier Connectors for Use in Electrochemical Battery System Applications



UL (DUXR2.E224049) - Communications, Audio/Video, Data, and Other Signaling-Circuit Accessories



UL (ECBT2.E224053) - Connectors for Use in Data, Signal, Control, and Power Applications



UL (ECBT8.E224053) - Connectors for Use in Data, Signal, Control and Power Applications Certified for Canada



UL (ELBZ.E256360) - Cord Sets and Power Supply Cords



UL (ELBZ7.E256360) - Cord Sets and Power Supply Cords Certified for Canada



UL (FFV12.E527051) - Electric Vehicle Plugs, Receptacles and Couplers - Component



UL (FOKR2.E547032) - Electromagnetic Interference Appliance Filters



UL (FOKY2.E244331) - Electromagnetic Interference Filters



UL (QQGQ2.E538449) - Power Supplies, Information Technology Equipment Including Electrical Business Equipment



UL (QQJQ2.E538449) - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment



UL (RFVW.E542871) - Electrical Quick Connect Terminals



UL (RFVW7.E542871) - Electrical Quick Connect Terminals for Canada



UL (RTRT2.E224051) - Receptacles for Plugs and Attachment Plugs



UL (RTRT8.E224051) - Receptacles for Plugs and Attachment Plugs Certified for Canada



UL (XCFR2.E333935) & (XCFR2.E498731) - Terminal Blocks



UL (XCFR8.E333935) & (XCFR8.E498731) - Terminal Blocks Certified for Canada



UL (ZMVB2.E542483) - Wire Connectors and Soldering Lugs



UL (ZMVB8.E542483) - Wire Connectors and Soldering Lugs Certified for Canada



UL (ZPFV2.E537685) - Wiring Harnesses



WOYR2.E520713 - Switches, Appliance and Special Use



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code to reach our website
inquiry form.

adam-tech.com

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