

MPD

MEMORY PROTECTION DEVICES

Certified Global Manufacturer of Electronic Components

COMPANY PROFILE

Engineered Components. Custom Solutions. Proven Reliability.

For more than four decades, Memory Protection Devices, Inc. has helped engineers power, protect, connect and test products with dependable standard components and specialized custom designs.

SINCE 1980

Over 40 years of electronic component experience

ISO 9001:2015

Quality-driven systems and global manufacturing support

GLOBAL REACH

Serving OEMs, engineers and distributors worldwide

CUSTOM SPECIALIST

From product modifications to clean-sheet designs

POWER • PROTECTION • INTERCONNECT • SAFETY • TEST

www.memoryprotectiondevices.com

MEMORY PROTECTION DEVICES, INC. | FARMINGDALE, NEW YORK, USA

COMPANY OVERVIEW

A trusted global source for standard and custom electronic components

Founded in 1980, Memory Protection Devices, Inc. (MPD) is a global designer and manufacturer of electronic components used to power, protect, connect and test products across demanding commercial and industrial markets. The company began by supporting memory-backup applications and has grown into a diversified supplier serving engineers, OEMs, contract manufacturers, distributors and procurement teams worldwide.

MPD combines a broad catalog of proven products with one of its strongest differentiators: the ability to modify, engineer and manufacture custom components for applications that cannot be solved with an off-the-shelf part. This practical engineering approach helps customers improve fit, performance, assembly efficiency, durability and long-term product reliability.

QUALITY

ISO 9001:2015 certified; products supported by rigorous quality controls.

COMPLIANCE

RoHS and REACH-compliant solutions for global electronic designs.

DESIGN SUPPORT

Free samples, CAD resources, datasheets and responsive engineering collaboration.

COMPLETE PRODUCT PORTFOLIO

Current MPD product lines and representative configurations

Battery Holders Coin-cell and cylindrical-cell holders; single- and multi-cell designs; 18650 and protected-cell formats; surface-mount, through-hole, wire-lead, panel, covered and strapped configurations; battery insulators and accessories.	Coin Cell Holders & Retainers Top-load, side-load, vertical, low-profile, Snap-Dragon and Glider-style solutions for a wide range of coin-cell sizes.
Battery Contacts, Clips & Snaps Spring, leaf, flat and precision metal contacts; cylindrical and coin-cell clips; 9V snaps and battery interconnect components.	Fuse Clips, Holders & Blocks PCB, panel-mount, in-line and waterproof styles for cylindrical and blade fuses, including multi-position fuse blocks.
DC Power Jacks & Plugs Board-mount, panel-mount and cable-mounted power connectors for equipment, adapters, charging and power-distribution applications.	12V Automotive & Marine Components Cigarette-lighter plugs and sockets, DIN/merit connectors, panel sockets, USB power outlets, battery cables and in-line power accessories.
Cable Assemblies Power and interconnect cable assemblies with application-specific wire lengths, terminations, connectors and protective features.	IR Safety Sensor Beams Through-beam infrared sensing systems for elevators, automatic doors, gates, loading areas, conveyors and industrial safety zones.
Contact / Test Probes (Pogo Pins) High-durability spring-loaded probes for in-circuit testing, functional PCB testing, automated test equipment, burn-in and semiconductor test.	Custom Engineered Components Modified standard parts and fully custom components for unique power, battery, fuse, interconnect, sensing, packaging or assembly requirements.

CUSTOM PARTS: AN MPD SPECIALTY

Engineering flexibility from concept through production

Many products are constrained by space, environment, assembly method, electrical requirements or supply-chain realities. MPD works directly with customer engineering and sourcing teams to create practical solutions when a standard catalog component is not the right fit. Projects may begin with a modification to an existing MPD design or with a completely new component developed around the customer's application.

CUSTOMIZATION OPTIONS

- Custom sizes, cell arrangements and form factors
- Modified mounting styles, footprints and terminal configurations
- Application-specific contact designs and metal components
- Specialized materials and plating, including nickel or gold options
- Cable lengths, wire gauges, connectors and harness configurations
- Electrical, mechanical and environmental performance requirements
- Private labeling, custom packaging and automated-assembly packaging

FROM IDEA TO PRODUCTION

- Application review and requirements definition
- Concept development and design recommendations
- Prototype and sample evaluation
- Tooling, qualification and production planning
- Manufacturing, quality assurance and logistics support
- Ongoing engineering collaboration as the customer's product evolves

CUSTOM SOLUTIONS CAN INCLUDE A RE-ENGINEERED EXISTING PART OR A COMPLETELY NEW DESIGN BUILT AROUND THE CUSTOMER'S TECHNICAL, REGULATORY AND LOGISTICAL NEEDS.

WHERE MPD PRODUCTS ARE USED

Representative marketplace applications

Medical & Healthcare Portable monitors, diagnostic instruments, patient sensors, medication devices and other equipment requiring secure, hygienic and dependable power connections.	IoT, Smart Access & Security RFID and toll tags, smart locks, asset trackers, Bluetooth devices, bank-security tokens, smart meters and connected building products.
Automotive, RV & Marine Dash cameras, LED work lights, coolers, mobile tools, wiring harnesses, battery accessories, boats, trucks and recreational vehicles.	Industrial Controls & Safety HVAC equipment, control cabinets, conveyors, elevators, escalators, automatic doors, gates, machine guarding and warehouse automation.
Consumer & Portable Electronics Remote controls, key fobs, toys, handheld instruments, home appliances, test equipment and personal electronic devices.	Energy & Battery Systems 18650 battery packs, protected-cell designs, power tools, backup-power modules and portable energy products.
Electronics Manufacturing In-circuit test, functional PCB test, automated test fixtures, burn-in systems, production-line quality control and semiconductor testing.	Computing & Communications Memory backup, servers, networking equipment and electronic systems that require reliable retention of settings or real-time data.

INNOVATION, QUALITY & CUSTOMER VALUE

New products and stronger solutions, year after year

MPD continually expands and improves its product portfolio in response to changing technologies, new battery formats, higher reliability expectations and customer-specific design challenges. New products and enhancements are introduced each year to help customers reduce assembly time, improve retention and durability, increase safety and support emerging applications.

High-Durability Test Probes

MPD's contact probes are engineered for more than one million cycles, helping high-throughput test operations reduce downtime and maintenance.

Advanced Battery Solutions

Recent development includes new surface-mount AA holders with covers or retainers, protected-cell 18650 solutions, contacts and compact coin-cell designs.

IR Safety Sensor Technology

Expanded safety-beam solutions support long-range obstruction detection for elevators, doors, gates, automation and custom OEM equipment.

Continuous Custom Development

Customer-driven projects regularly lead to new contact geometries, mounting methods, materials, cables, connectors, packaging and fully custom components.

WHY CUSTOMERS CHOOSE MPD

A responsive partner for both catalog products and engineered solutions

- **Proven Experience:** More than four decades of specialization in essential electromechanical components.
- **Engineering Innovation:** Patented and application-focused designs created to improve fit, installation and reliability.
- **Custom Capability:** Support for modifications, unique form factors and fully custom products.
- **Quality & Compliance:** ISO 9001:2015 systems with RoHS and REACH-compliant product options.
- **Design Resources:** Free samples, CAD files, datasheets and technical collaboration for qualified projects.
- **Global Availability:** International manufacturing, distribution and logistics resources serving customers worldwide.
- **Broad Market Knowledge:** Experience across medical, industrial, automotive, consumer, IoT and electronics manufacturing.
- **Long-Term Partnership:** Responsive support from initial design selection through production and future product revisions.

Whether the requirement is a proven standard part or a component that has never existed before, MPD brings practical engineering, reliable manufacturing and responsive support to every project.



MEMORY PROTECTION DEVICES, INC.

200 Broadhollow Road, Suite 4, Farmingdale, NY 11735 USA
+1 631-249-0001 | info@memoryprotectiondevices.com
www.memoryprotectiondevices.com

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