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[www.batteryholders.com](http://www.batteryholders.com)  
[www.memoryprotectiondevices.com](http://www.memoryprotectiondevices.com)  
We specialize in custom parts!  
[sales@memoryprotectiondevices.com](mailto:sales@memoryprotectiondevices.com)

## Company Profile: Memory Protection Devices, Inc. (MPD)

**Website:** [www.memoryprotectiondevices.com](http://www.memoryprotectiondevices.com)

**Headquarters:** Farmingdale, NY, USA

**Founded:** 1980

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## Company Overview

Memory Protection Devices, Inc. (MPD) is a leading designer, manufacturer, and custom solutions provider of electronic components that protect and power countless applications worldwide. Founded in 1980, MPD has grown into a globally recognized supplier of high-performance battery holders, fuse holders, battery contacts, DC power connectors, IR sensor beams, and automotive power accessories. MPD serves engineers, OEMs, and procurement teams with standard and custom solutions across consumer, industrial, medical, and automotive markets.

MPD is not only a component manufacturer but also a **custom engineering partner**, offering design and manufacturing services tailored to unique customer applications. From modifications of existing components to fully custom designs, MPD collaborates with clients to create specialized solutions that meet exact technical, regulatory, and logistical requirements.

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## Company History

- **1980s:** Founded to support memory backup applications, MPD began developing lithium battery holders and accessories tailored to volatile memory systems.
  - **1990s:** Expanded to provide coin cell holders, fuse solutions, and DC jacks, offering patented designs with improved performance and ease of use.
  - **2000s:** Entered global markets with a strong network of distributors and a growing base of OEM partners.
  - **2010s:** Innovated across categories, added waterproof and automotive-rated components, and developed IR sensor beams for industrial sensing applications.
  - **2020s:** Added additional space to our Hong Kong warehouse to help customers avoid U.S. tariffs and accelerate lead times. Introduced custom manufacturing services for customers requiring non-standard form factors, materials, or specifications.
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## Core Product Categories

- **Battery Holders:** Surface mount, through-hole, coin cell, A/AA/AAA/AAAA/C/D/N/23A/A23, other options available.
  - **Battery Contacts & Clips:** Leaf Contacts, Spring, flat, and precision metal contacts for coin cells and cylindrical batteries.
  - **Fuse Holders:** In-line, panel mount, and PCB mount for cylindrical and blade fuses.
  - **DC Power Connectors:** 12V plugs, sockets, jacks, and panel mount connectors.
  - **IR Sensor Beams:** Compact photo interrupters for motion detection, elevators, and safety systems.(Unique patented features)
  - **Automotive Power Accessories:** In-line fuse holders, battery cables, lighter plugs, and sockets.
  - **Custom Components:** Tailored solutions for unique project needs in power, connectivity, or protection.
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## Custom Manufacturing Capabilities

MPD is a **custom manufacturer** capable of supporting specialized projects from concept to production. Customization options include:

- Custom designs.
- Modified contact configurations
- Unique mounting styles or footprints
- Specific voltage, current, or environmental tolerances
- Private labeling and custom packaging

MPD works directly with design engineers to understand functional needs and provide practical, cost-effective solutions.

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## Competitive Advantages

### 1. Engineering Innovation

MPD offers patented designs with features that improve installation speed, contact security, and durability.

## 2. Custom Solutions Provider

Unlike catalog-only suppliers, MPD supports full-cycle development of custom solutions tailored to unique application needs.

## 3. Tariff Mitigation & Global Shipping

Warehouses in both New York and Hong Kong enable flexible shipping and cost reduction strategies, particularly under current tariff regimes.

## 4. Design Support & Sampling

Engineers receive **FREE samples**, access to CAD files, datasheets, and real-time design support.

## 5. Product Compatibility & Value

MPD parts are often drop-in replacements for competitive products—with added value, superior quality, or lower cost.

## 6. Reputation for Reliability

Decades of on-time delivery, quality control, and exceptional customer service have built long-term trust with customers worldwide.

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### Pros of Working with MPD

- **Proven history** of quality and reliability since 1980
- **Full catalog** of essential power and protection components
- **Custom manufacturing** capabilities for niche or specialized needs
- **Fast turnaround** on samples and support requests
- **Logistics flexibility** to reduce tariffs and lead times
- **Technical documentation** and engineering collaboration

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### Considerations

- Lead times may be longer for highly customized components
  - MPD focuses on specific product categories—does not offer full-line passive or semiconductor components
  - Custom tooling may require MOQ or NRE (non-recurring engineering) charges depending on complexity
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## **Conclusion**

Memory Protection Devices, Inc. is more than a catalog component supplier—it is a trusted partner for standard and custom solutions in battery, fuse, and power connectivity. With a strong history of innovation, commitment to customer service, and global logistics flexibility, MPD empowers companies to design smarter, build faster, and succeed in competitive markets. Whether sourcing a standard fuse holder or developing a custom battery clip, MPD delivers reliability and value from concept to production.