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NEW PRODUCT LAUNCH: High-Durability Contact Probes from Memory Protection Devices Inc.

Introducing MPD's New Line of High-Performance Contact Probes — Built to Last Over 1 Million Cycles!

Memory Protection Devices Inc. (MPD), a global leader in high-reliability electronic components, is proud to announce the launch of its latest innovation: **Contact Probes** engineered for PCB testing and automated test equipment (ATE) applications.

Product Overview

Contact probes—also known as spring-loaded pins or pogo pins, are vital tools used in the quality control process for printed circuit boards (PCBs). These precision-engineered components are designed to temporarily establish an electrical connection between a test system and PCB test points without soldering or permanent attachment.

Intended Use

MPD's contact probes are ideal for:

- **ICT (In-Circuit Testing)**
- **Functional Testing of Assembled PCBs**
- **Test Fixtures for Mass Production Lines**
- **Burn-In Testing**
- **Semiconductor Testing Applications**

They ensure reliable electrical contact with minimal signal loss, even after extensive repetitive use.

How They Work in PCB Testing

During the testing phase, these spring-loaded probes are mounted into a test fixture. The fixture is then aligned with the PCB, pressing the probes against specific test pads or vias. As the spring compresses, the probe creates a secure and consistent contact, allowing test signals to pass through and verify circuit functionality, continuity, and signal integrity.

Superior Construction Materials

What sets MPD's contact probes apart is the **exceptional durability and precision engineering**:

- **Plunger:** Hardened Tool Steel with Gold Plating – ensuring corrosion resistance and optimal conductivity.
- **Spring:** Piano Wire with Gold Plating – for consistent mechanical performance and low signal resistance.
- **Barrel:** Phosphorous Bronze with Gold Plating – providing superior strength and wear resistance.

This tri-material combination results in contact probes that **outlast the competition** with **over 1 million tested strokes**, far surpassing the industry standard of just 100,000.

Why Choose MPD Contact Probes?

-  **Tested for 1,000,000+ cycles** – 10x the industry standard
 -  **Reliable contact and low resistance**
 -  **Gold plating on all components for long-lasting corrosion resistance**
 -  **Ideal for high-throughput, high-precision testing environments**
 -  **Globally available and fully RoHS compliant**
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Boost Your Testing Accuracy and Longevity

By switching to MPD's long-life contact probes, engineers and manufacturers reduce downtime, lower maintenance costs, and increase testing efficiency. Whether you're running large-scale production or developing new PCBs, these probes deliver the durability and performance needed for modern electronics manufacturing.

 **Contact your MPD representative today or visit www.memoryprotectiondevices.com** to learn more and request free samples!

Memory Protection Devices Inc.

Precision Made. Performance Proven.

