



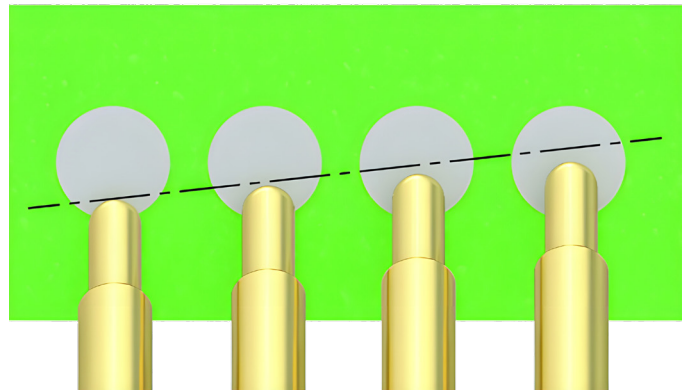
PROPER ALIGNMENT: The Key to Pogo Pin Performance

Spring-Loaded Pogo Pins are Essential Connectors in High-Performance Electronics, Known for Their Compact Design and Durability.

One of their most critical engineering advantages is their ability to maintain electrical contact even when misalignment occurs. This feature, especially vital in the medical, industrial, and communications sectors, ensures consistent functionality under demanding conditions. Mill-Max manufactures pogo pins with precise tolerances and offers custom capabilities to ensure long-term performance and reliable connections.

Why Alignment Matters

Unlike traditional pin and socket systems, pogo pins compensate for offset and misalignment, offering more forgiving and fault tolerant connections. This makes them ideal for blind mating and frequent cycling. Proper alignment preserves signal integrity and minimizes degradation, which is crucial in environments where downtime and failure are not an option.



Mill-Max Engineering in Action

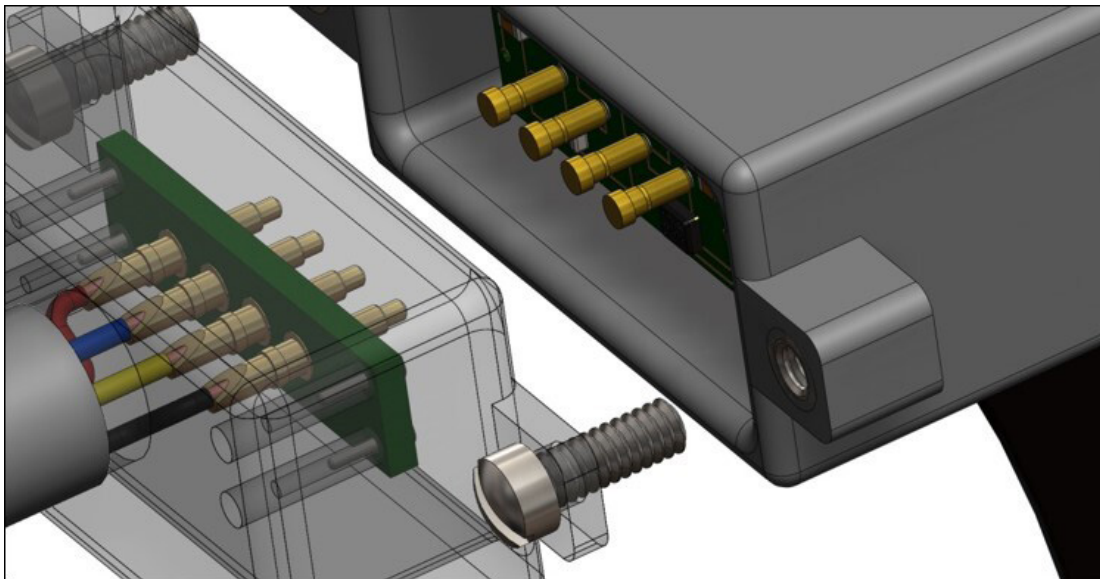
Mill-Max leverages advanced machining, custom design flexibility, and rigorous testing to create spring-loaded pins with unmatched precision. Features on our precision machined components, such as up to 3 millimeters of plunger stroke, support blind mating, reduce wear, and extend lifecycle performance up to 1 million cycles when compressed to mid-stroke. Whether in smartphones or satellite systems, Mill-Max pins deliver repeatable, stable connections that withstand time and stress.

Compact. Resilient. Reliable.

Engineered for space constrained applications, these compact components support high density layouts without compromising on strength or contact quality. Gold plated finishes enhance corrosion resistance and conductivity, making them ideal for high reliability applications in the aerospace, medical, defense, and numerous other industries.

Mill-Max: Setting the Standard

When alignment, durability, and compact design matter, Mill-Max spring-loaded pogo pins stand apart. Trust your next design to our proven solutions, available in standard or custom configurations, backed by expert engineering and U.S.-based manufacturing.



With over 45 years of experience in meeting the industry's most rigorous requirements for quality, economy, and rapid turnaround, Mill-Max is your source for precision-machined interconnect solutions.

Contact our Engineers today
Email: techsupport@mill-max.com
Call: (516) 922-6000

www.mill-max.com

Read the Full Engineering Notebook

MILL-MAX MFG. CORP.
190 PINE HOLLOW ROAD • OYSTER BAY, NY 11771
PHONE: (516) 922-6000