

ImplanTac™ Contacts

Hypertronics ImplanTac socket contacts are made of bio-compatible materials for use in implantable medical devices where reliability, dependability and ease of use are critical. Such applications include pacemakers, implantable cardioverter-defibrillators, neurostimulators, metabolic controls, circulation pumps, bone growth stimulators and pain management devices.

ImplanTac highly reliable implantable contact solutions are based on the low-force, low resistance Hypertac® hyperboloid socket technology. Hypertronics offers both standard and customizable ImplanTac solutions. With ImplanTac contacts, medical device manufacturers with critical applications are guaranteed reliable, high performance interconnect solutions for applications in which malfunction or failure could be life threatening.

ImplanTac bio-compatible contacts provides surgeons the ability to easily mate implanted leads into devices without misalignment, damage to the system, or risk to the patient. Typical implanted devices are encapsulated in a housing then implanted into the body cavity. Electrical leads are connected to the device, and directly to the patient's body, during a surgical procedure. The leads monitor and apply electrical energy based on sensory inputs; therefore the connection between the leads and the device must be of the ultimate reliability.



Many medical industry leaders have turned to Hypertronics to solve the problems they've encountered with other implantable interconnect technologies. With ImplanTac, Hypertronics is able to offer the high reliability of the Hypertac contact system in combination with the specialty materials required for critical implantable applications.



Features and Benefits

- Bio-compatible Hypertac contacts perform flawlessly in harsh environments
- Low-force, low resistance contacts are easy to use and resist damage during mating
- Available in signal or power versions
- Standard and customizable contacts designed for ultra high reliability
- Ideal for such critical applications as:
 - Pacemakers
 - ICDs (implantable cardioverter-defibrillators)
 - Neurostimulators
 - Metabolic Controls
 - Circulation Pumps
 - Bone Growth Stimulators
 - Pain Management Devices