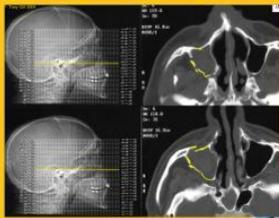
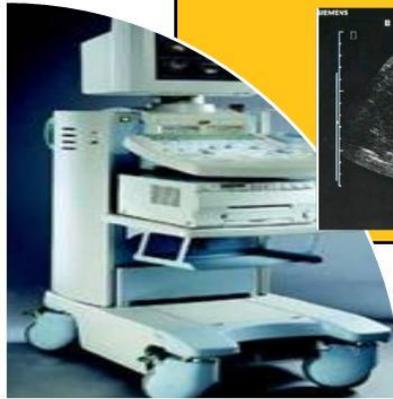


Typical Applications for HCD SuperButton® Connectors

• CT/MRI/Imaging



• Ultrasound



• Patient Monitoring



• Surgical/Robotics



*Customers Utilizing HCD's Proprietary SuperButton® Technology
For High Reliability or Rugged Applications*

Today's medical devices require increasing levels of functionality and flexibility. HCD brings its superior product performance and outstanding technical support to meet your needs in your next ultrasound, imaging, or analyzer application. HCD's experience in developing innovative high speed solutions makes us the technology of choice in today's medical equipment requiring higher bandwidth. Signal integrity excellence and high speed simulation provide the support you need to make your medical design a success.

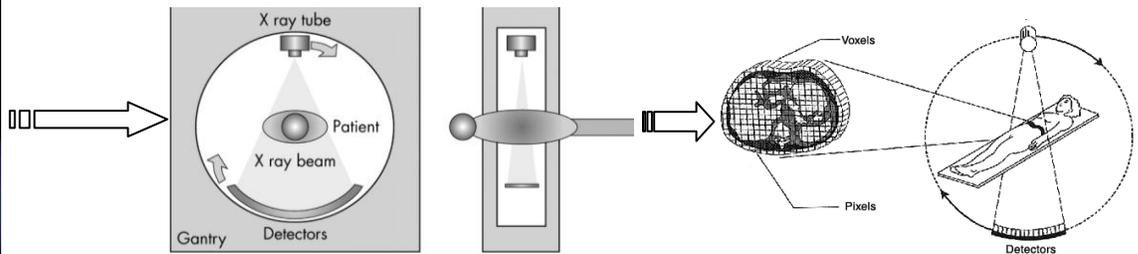
CT / MRI / Imaging

Today's medical imaging devices are being designed to provide more accuracy and speed than ever before. The latest trend in attaining this goal is by incorporating multiple technologies in one system (i.e. MRI and PET). HCD offers the latest technology to support the leading edge of imaging technology such as our SuperButton® high density board to board connector system. The SuperButton® connector provides the features needed for MRI, CT, and other imaging applications to get closer to real time diagnosis.

CT devices typically require:

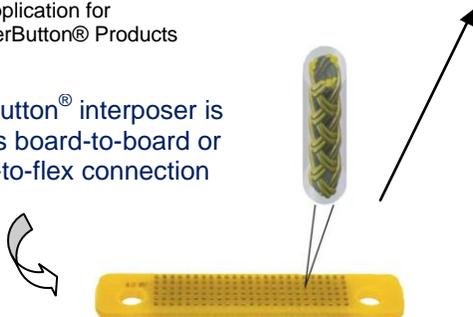
- Board-to-board connectivity
- A high number of solderless connections
- Excellent signal integrity
- Up to 100s of interposers which are field replaceable

HCD's solderless SuperButton® connector technology is an ideal solution for space-constrained medical devices. HCD products provide superior electrical performance, high reliability, are field replaceable, and can be easily configured to any footprint providing enhanced flexibility at a very competitive price.



Typical Application for HCD SuperButton® Products

SuperButton® interposer is used as board-to-board or board-to-flex connection



Features	Benefits
High Density (with pitches down to 0.5mm)	Saves space on test boards and works in large arrays
Low Force (starting at 10g/pin)	Minimizes stress on mating boards
Low profile (~0.8mm) and vertical signal path	Leads to low self Inductance and reduced cross talk
Floating Contacts	Leads to self leveling mechanism and accounts for coplanarity of the raw cards
High Frequency (up to 26GHz)	To meet increasing bandwidth demands in mezzanine applications