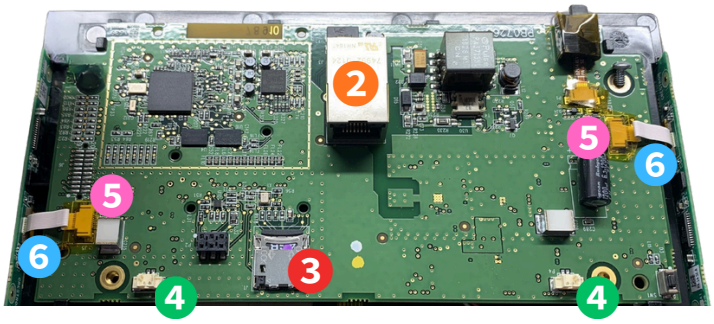
Nurse Call System

Magnetic Cable Assemblies Success Case

Adam Tech successfully developed custom Pogo Pin Magnetic Cable Assemblies to connect Patient Stations to Wired Pillow Speakers in hospital Nurse Call Systems.



1 Spring-Loaded Connectors and Magnetic Cable Assemblies

- High-reliability electrical connection
- Customizable for various mechanical and electrical requirements
- Available in discrete, integrated, and magnetic solutions

2 Modular Jacks

- Available from 4P2C to 10P10C configurations
- Multiple options including single, stacked, shielded, and magnetic designs
- Optional integrated LEDs and hybrid RJ45/USB solutions
- Available in Through-Hole and SMT mounting

3 Memory Connectors & Sockets

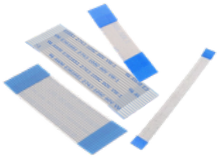
- Complete memory socket range: Compact Flash, PCMCIA, Memory Stick, Secure Digital
- Focus on ease of use, mating accuracy, and card retention
- Precision-engineered, durable contacts and PCB leads

4 Miniature Disconnecting Wire to Board

- Pitch sizes: 0.8 - 2.5mm
- Multiple pitch options for diverse applications
- Straight, Right Angle, and SMT configurations
- Matched headers and housings for reliable connections
- Lightweight, polarized design with high reliability

5 Flexible Printed Circuit

- Zero-wiping contact for reliability
- 0.3, 0.5, 0.8, 1.00, 1.25 pitch (mm)
- Available in single and dual-row configurations
- Through-Hole and SMT options in vertical or horizontal orientations



6 Flat Flex (FFC) Cables

- Available in 0.50mm to 2.00mm pitch options
- Custom lengths, contact counts, and contact layouts
- Same-side, opposite-side, or mixed contact configurations
- Fully customizable to meet application requirements