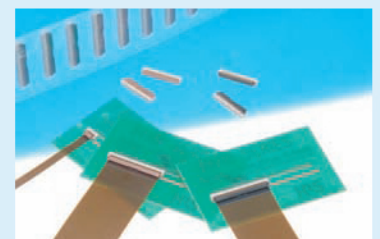
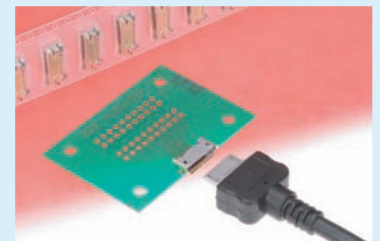
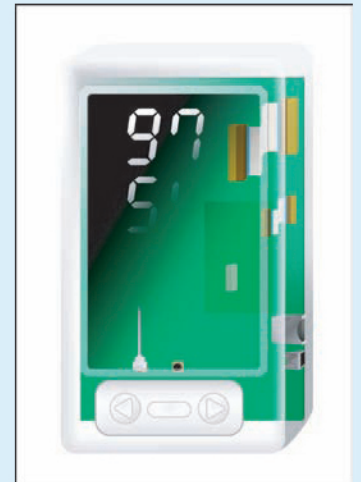
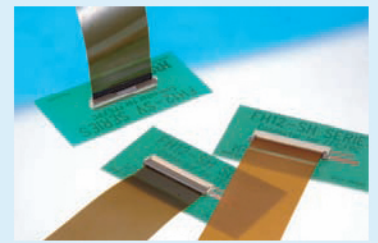


# Hirose Interconnects for Medical Electronics

*"Creative Links to World Electronics"*

**HRS** Hirose  
Electric  
(USA), Inc



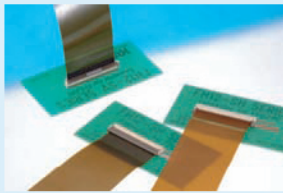
# A World Leader in Interconnect Technology

Hirose offers many interconnect solutions to the electronic medical device field. Many of these solutions come from Hirose's years of successful design work in consumer electronics and other market segments. Proving themselves in very demanding applications needing precision, high quality and high reliability connectors. The heart of our success comes from Hirose's R&D, Engineering, and Sales divisions. These divisions work closely with the customers while keeping aware of developing connector trends in the various industries. This teamwork allows Hirose to excel in connector innovation with more compact sizes, narrower pitches and higher performing connectors.

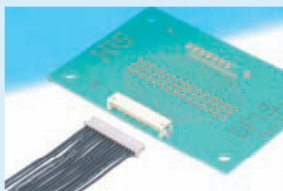


Hirose's involvement with medical electronics started in 1976. Since then, we have helped to develop numerous products such as pulse-oximeters, pain relief/therapy devices and diagnostic devices. Hirose connectors are used in clinical and patient controlled devices.

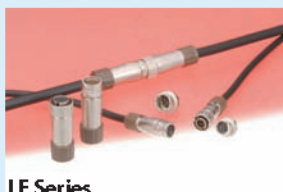
Most devices for patient or home use need to be rugged, reliable and compact. Our years of design work as a world leader with compact, handheld devices have created many connectors that can stand up to these rigors.



FH12 Series



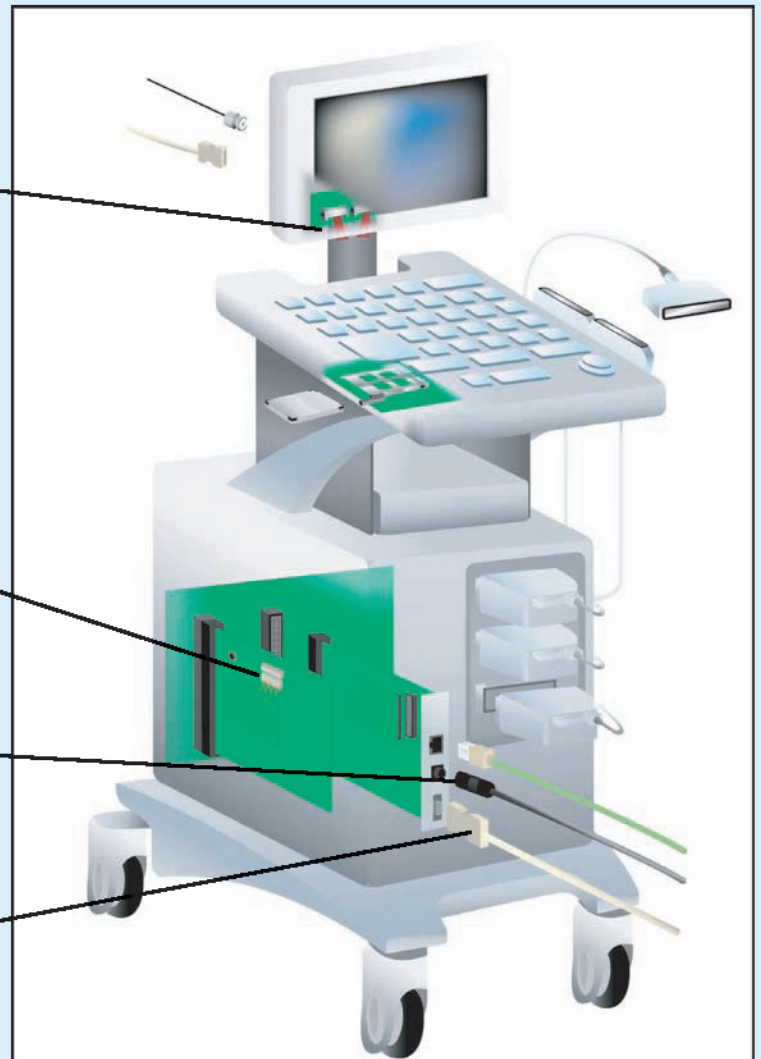
DF13 Series

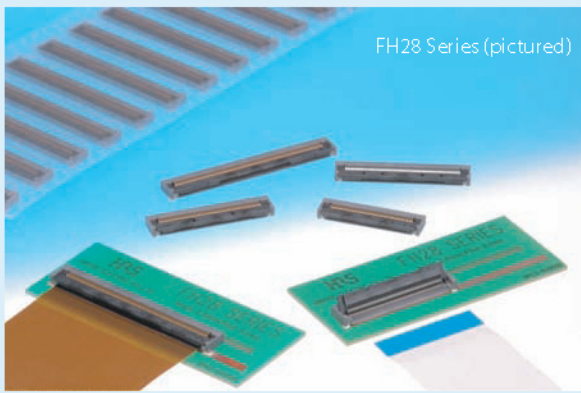


LF Series



LX Series



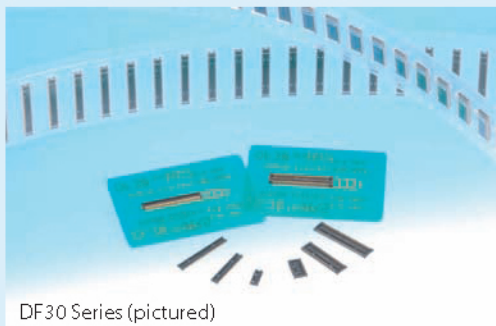


## Flex Circuit Connectors

- For connections requiring Flat Flexible Cable (FFC) or Flexible Printed Circuit (FPC).
- Contact pitch: 1mm to 0.2mm.
- Many different contact counts available. **RoHS compliant**
- High FPC/FFC retention force.
- Applications: Connecting LCD's to printed circuit boards and board-to-board connections.

## Circular Connectors

- Waterproof/non-waterproof and metal/plastic construction.
- Many different contact counts. **RoHS compliant**
- Coupling styles: Push-pull, threaded and "short-turn" bayonet types.
- Applications: Small hand held devices, cameras, test and measurement, survey and geological equipment.

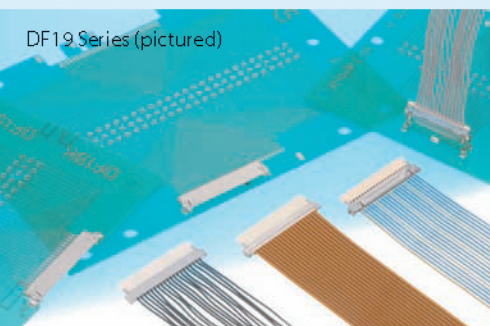
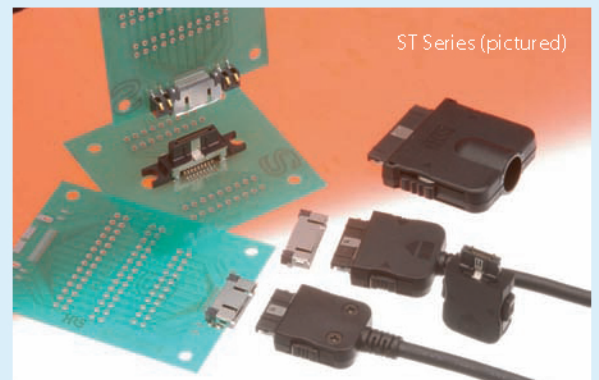


## Board-to-Board Connectors

- For connecting parallel and right angle printed circuit boards.
- Contact pitch: 0.5mm to 5mm.
- Many different contact counts and stack heights. **RoHS compliant**
- Applications: Connecting LCD's to printed circuit boards and board-to-board connections.

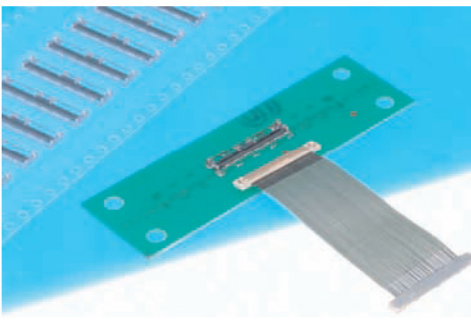
## Input/Output Connectors

- Low profile and high reliability. **RoHS compliant**
- Solder, SMT, and IDC termination.
- Many different styles including MiniUSB and MicroUSB.
- Applications include transmitting power and/or data signals between devices.



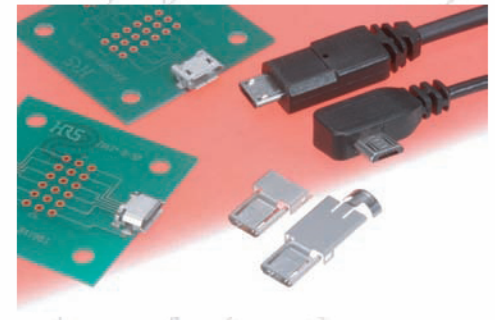
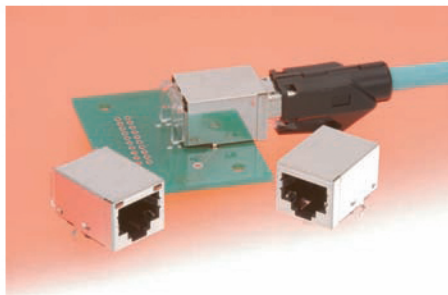
## Board-to-Wire Connectors

- For designs needing line connections between printed circuit boards using discrete, ribbon or micro-coax lines.
- Contact pitches from 1mm to 7.92mm.
- Many different contact counts in straight, right angle and thru-panel mounting styles. **RoHS compliant**
- Solder, SMT and IDC termination styles.
- Applications: Portable devices, medical machines or any need to connect with discrete wires.



**Hirose Electric is a leading, global interconnect manufacturer specializing in a wide range of solutions for advanced technologies.**

**We have connectors for: automotive, fiber optic, circular, power, mobile/cellular telephones, board-to-board, wire-to-board, microwave, telecomm, flex circuit (FPC/FFC), memory card connectors, ribbon cable, mini/micro USB, HDMI and other connectors.**



**Hirose is a ISO 9001 company**