

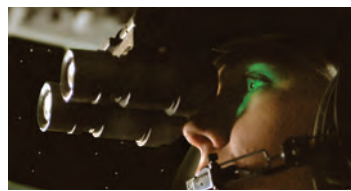


HSC Connectors for Future Soldier Applications

For box mount applications where space is at a premium and a low profile rectangular connector solution is preferred, ITT Cannon's HSC Connector form factor facilitates light, flat, small signal carrying interfaces for popular applications such as:



**HAND-HELD
RADIOS**



**NIGHT VISION
GOGGLES**



GPS



COMPUTERS

HSC Connectors are high reliability interconnects that are designed to minimize weight and maximize space utilization, making them the right connector solution for Future Soldier applications. HSC Connectors are used for on body and in light duty applications where low profile sealed and cleanable interconnects are desired.

Typical width and depth dimensions are as follows:*

- Receptacles: 4.1mm (.160") by 14.6mm (0.575")
- Plugs: 22.7mm (.895") by 19.3mm (.760")

**Length dimensions vary depending on the number of contacts.
Actual configuration and dimensions can vary by application.*

The CANNON Difference:

- Designed to minimize weight, maximize space utilization
- High reliability in extreme conditions and harsh environments
- Facilitate high speed data signal transmission and can be designed to handle power and RF applications
- Lightweight to reduce the individual's package weight and overall vehicle weight reduction

Features:

- Small, compact & lightweight
- Cleanable pogo pad contacts on the receptacle and high reliability pogo contacts on the plug cable assembly
- Mating plug has alignment pins along with a twist coupling knob to securely connect the plug and receptacle, while providing an easy method of disconnecting when needed.
- Available with high corrosion resistant plating and materials to support exposure in adverse environmental conditions
- Typical HSC contact layouts support up to 40 signal contacts in a compact size that is easily integrated and fits easily into the user's hands



HSC Connectors for Future Soldier Applications

HSC Connectors are used on small portable devices that can be exposed to the elements. The HSC Connector's rectangular shape makes it easy to integrate onto flat box surfaces and can be terminated to a PCB directly or by means of a flex circuit mounted to the connector. The height is very shallow so it does not use much interior space within the box, and the flush surface mounting on the outside makes it easy to clean. Contacts are typically high performance pogo pins with cleanable pad surfaces, which provide excellent electrical performance for high speed data and low amperage power. The shell materials are typically aluminum. Plating provides corrosion protection on exposed surfaces.



VISION SYSTEMS:
POWER & DATA

EAR PHONES:
AUDIO

NAVIGATION / GPS: DATA

RADIO / COMMUNICATIONS:
POWER, DATA & AUDIO

WEAPONS:
POWER & DATA

COMPUTERS:
POWER, DATA & AUDIO

BATTERY PACKS:
POWER & DATA

Why ITT

ITT is a focused, multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions.

ITT Interconnect Solutions' Cannon brand is a leading global manufacturer of connector products serving international customers in the aerospace and defense, medical, energy, transportation and industrial end markets. ITT's Interconnect Solutions business manufactures and supplies a variety of connectors and interconnects that make it possible to transfer data, signal and power in an increasingly connected world, including its VEAM and BIW Connector Systems brands.

Connect with your ITT Interconnect Solutions representative today or visit us at www.ittcannon.com

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