

# APPLICATION NOTE

[www.ittcannon.com](http://www.ittcannon.com)**Nemesis SC for Future Solider and Medical Apps.****December 2009**

## The Challenge

To design a connector suitable for future soldier and medical applications where the user can operate in all conditions. The connector needs to not only be sealed but also cleanable.



**Barrel in Normal Position**



**Barrel in cleaning position**



**Jam Nut Receptacle**

## Product Features

- Uses pogo contacts rated at 3 Amps
- Durability is 10,000+ mating cycles
- Cleaning cycles is 2,500 cycles
- Rugged Stainless Steel housing
- 7, 14, and 19 pin layouts
- 5 locking positions
- Color identification of coding
- RoHS compliant anti-reflective plating
- Resistant to salt spray for over 500 hours
- Excellent EMC properties

## Benefit to Customer

- Blind Mating
- Snap-on Breakaway coupling
- Lightweight
- Sealed to IP67

## Applications and Markets

- Industrial and Marine

### The ITT Solution ...

The ITT Cannon Nemesis Super Clean connector incorporates a patented pull back barrel system which means the plug can be easily cleaned and allow the user to be up and running again in a few seconds.

***For application assistance, please contact:***

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