

APPLICATION NOTE

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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