



ITT

Interconnect Solutions
Cannon, VEAM, BIW

50% Lighter
60% Smaller
100% Sealed



Engineered for life

50% Lighter – 60% Smaller – 100% Sealed

Soldiers are being equipped with advanced technology at an increasing rate resulting in a unified system where they become the primary decision making point for missions.

Countries are investing heavily into soldier modernisation programs to enhance these C4I (Command, Control, Communications, Computer & Intelligence) systems to increase survivability and lethality. The data transmission levels for complex equipment such as a GPS based situational awareness systems has driven the interconnection requirements to higher levels resulting in the need for a new breed of connectors.

Recognizing the Soldier Technology trend towards survivability, functionality, and adaptability with complex modern interfaces, ITT Interconnect Solutions continues our innovation strategy, a legacy extending nearly 100 years, with the fielding of our new mini-circular line, Nemesis.

International Soldier Modernisation Programs include:

USA	MERS
UK	FIST
Germany	IdZ
France	FELIN
Canada	ISSP
Italy	Soldato Futuro
Holland	VOSS
Switzerland	IMESS

When Weight, Size, and Sealing really Matter



Announcing the Nemesis line of mini-circular connectors, ITT Interconnect Solutions proudly releases the most com-

prehensive small circular connector offering in the Soldier Technology industry. Our unique offering provides sealability to either IP67 or IP68, a lightweight and adaptable platform, and unique functionality such as "Super Clean" plugs and "no profile" form factors, ensuring the highest level of capability within demanding harsh environment situations. The unique capability afforded by the Nemesis product range ensures application capability in markets extending beyond defense, including but not limited to Medical, Marine, and Handhelds.

WHY INNOVATIVE CUSTOMERS CHOOSE ITT

- **ITT ICS pogo contact technology** providing industry leading durability and guaranteeing 10,000+ mating cycles
- **Blind mating design** ensuring reliable and quick connections without the need for visual or mechanical keying
- **RoHS compliant black zinc nickel or electroless nickel plating** ensuring our customers are future proofed with the anticipated revision of MIL standards
- **Human factors design considerations** enabling secure gripping in the harshest environments through the use of ribbed overmolding
- **Rugged stainless steel construction** providing reassurance that your interconnect will survive the mission
- **Enhanced strain relief design** eliminating cable overstressing and ensuring the integrity of cable sealing
- **Anti-reflective salt spray resistant plating finish** ensures soldier concealability while providing effective protection in harsh marine environments



Nemesis "Super Clean" provides the ultimate in cleanliness with its unique patented draw back barrel design, allowing the user to retract, clean, and reconnect in seconds.



Our canted spring "breakaway" technology allows for effective and "tuned" interconnect disconnecting while providing a full 360 degrees of EMI shielding.



The Nemesis pogo pad receptacle technology removes the harsh environment "fouling" common to non-pad receptacles. Further, this exciting technology removes the need for receptacle dust-caps.

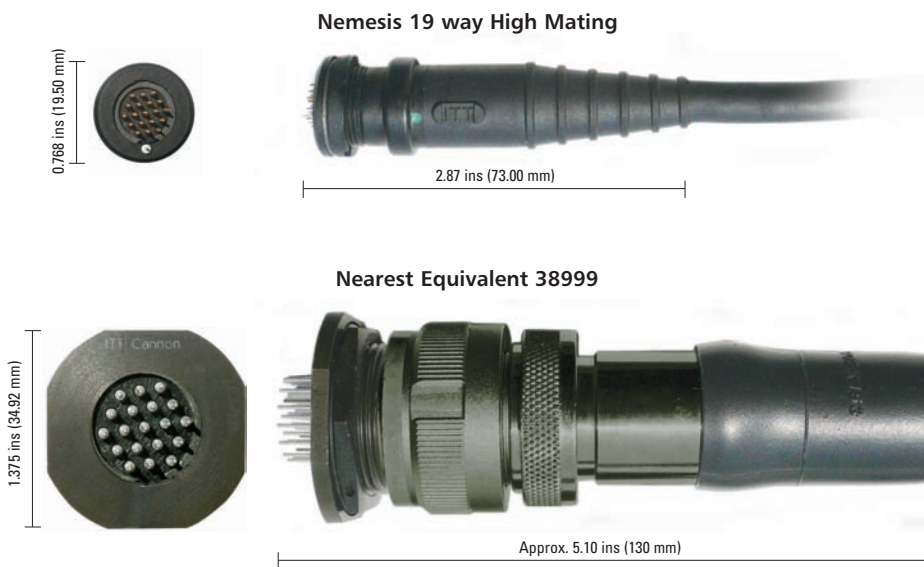


Seamless and superior overmolding techniques ensure sealability and integrity of the connector shell and cable interface, even within the most demanding environments.



Taking interconnect profiles to a minimum level, our industry leading "no profile" "Space Saver" variant enables the lowest possible profile for ruggedized, wearable equipment. Complementing this capability is our novel "Ripaway" decoupling action which allows unique and quick decoupling.

Multiple Performance Configurations & 60% Smaller Than the Equivalent 38999



Premiere Ruggedised Design & Global Execution

The innovative and patented Nemesis range affords customers in the varied industries of Soldier Technology, Medical, Marine, and Handhelds to realize 60% reductions in typical applications while enhancing the sealability, functionality, and design characteristics of their latest products. Partnered with ITT ICS's pioneer-

ing engineering capability and globally deployed manufacturing excellence, we welcome your opportunity to define, execute, and realise the next generation of soldier systems technology and establish the correct supply capability, localised to your unique needs

► For Nemesis specifications please see [www.ittcannon.com/...](http://www.ittcannon.com/)

APPLICATIONS *Interconnect Function*

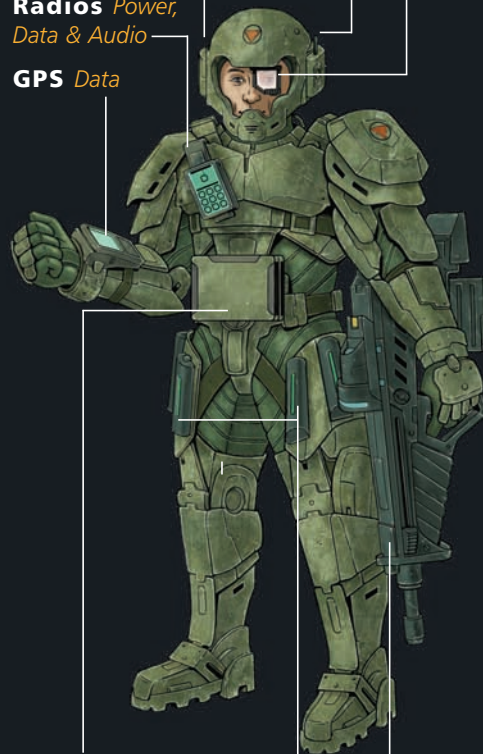
Vision Systems *Power & Data*

Ear Phones *Audio*

Head Sets *Audio*

Radios *Power, Data & Audio*

GPS *Data*



Computers

Power, Data & Audio

Batteries *Power & Data*

Weapons *Power & Data*



THINK ABOUT ITT

Reliability, Innovation, and Engineered Solutions, these terms collectively describe ITT Interconnect Solutions and define a legacy of Interconnect Science spanning nearly a century, reflecting billions of quality products sold, and incorporating the three industry leading brands of Cannon,

VEAM, and BIW. Our Innovation Timeline uniquely defines a historical compendium of interconnect leadership spanning over 90 years and including many industry firsts; Audio Connectors, Aviation Circulators, D-Sub's, Micro's, fiber optic assemblies, Zero Insertion Force Technologies, and other advanced applications of Interconnect Science. When collaborating with a technology leader, choose a participant with documented trust, established through

multi-industry achievements as substantiated through the participation on every free world space mission, the creation of the first Mil / Spec interconnects, participation on the first talking movie, 100% reliability for over 45 years in Rail applications, and numerous additional achievements in major Military, Aerospace, Industrial, Medical, and Power markets. At ITT ICS, we truly are "Engineered for Life™."

Think about ITT.



ITT



Global Design & Manufacturing

Customer Support

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