



O.C.H. Micro Circular Connectors

Designed . . . Authorized . . . US Army Nett Warrior Soldier Vest Applications

SMALL, LIGHT, TOUGH

- Lightweight aluminum shell and thermoplastic inserts
- Very small footprint
- Ruggedized for battlefield conditions

COMPATIBLE

- Intermateable with Nett Warrior products

HIGH PERFORMANCE

- Push/pull quick disconnect coupling meets breakaway force of 13 ±3 lbf
- Ruggedized small circular connector meets mechanical and environmental performance requirements of MIL-STD-810G

APPLICATIONS

- Soldier Vest Cables
- Batteries
- Antennas
- Communication/Power Hubs
- Radios
- Military Vehicles

O.C.H. Micro Circular Connectors

Authorized for Use in Nett Warrior Soldier Vests and Peripheral Devices

The Nett Warrior program was developed by the US Army to provide ground soldiers with instant situational awareness and communications capability by directly connecting them to the army's tactical network. Like all communications devices, smaller and lighter is the order of the day. Every ounce saved is extra weight taken off the backs of our soldiers.

TE Connectivity (TE) is now an authorized source for Nett Warrior

soldier vest and vest peripheral devices. This now gives the industry another authorized source for Nett Warrior connectors.

Our ruggedized O.C.H. micro circular connectors have passed the rigorous performance requirements set by the US Army, including the mechanical and performance requirements of **MIL-STD-810G**. These circular connectors feature a push-pull coupling and quick disconnect per the US Army's Nett Warrior specification. The connectors can be ordered against National Stocking Numbers 5935-016595575 and 5935-016594090.

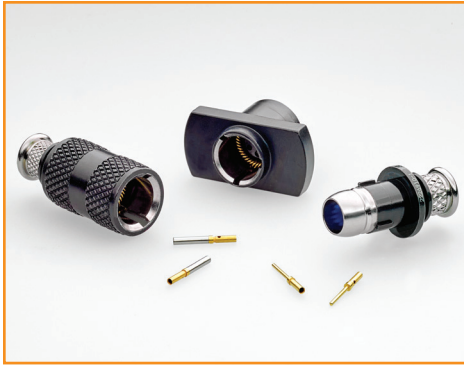
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Specifications

- **Shell:** Aluminum alloy, selectively plated zinc-nickel over electroless nickel overall
- **Inserts:** Thermoplastic
- **Contacts:** Copper alloy, plated gold over nickel

ELECTRICAL

- **Insulation Resistance:** 100 M Ω min. at 500 VDC
- **Contact Current Rating:** 5 A (-18°C to +71°C, crimped to 22 AWG wire)

MECHANICAL

- **Shock:** MIL-STD-810G, Method 516.6, Procedure IV
- **Vibration:** MIL-STD-810G, Method 514.7, Procedure I, Method 514.6, Category 5, Procedure II

DOCUMENTATION

- **Product Specification:** 108-32114 and 108-32114-1
- **Qualification Test Reports:** 501-134052 and 501-134052-1

TE Part No.	Part Type	Contact Type	No. of Positions	National Stocking Number
2226910-1	Connector Plug - Cable Applied	Pin (Crimp)	6	5935-016595575
2226920-1	Connector Receptacle - Cable Applied	Socket (Crimp)	6	5935-016594090
2828420-1	Connector Receptacle - Battery (PC Tail)	Socket (Solder Tail)	6	N/A
2828420-2	Connector Receptacle - Battery (PC Tail)	Socket (Solder Tail)	7	N/A
2226913-1	Crimp Contact - Signal	Pin (Crimp)	N/A	N/A
2226913-2	Crimp Contact - Power	Pin (Crimp)	N/A	N/A
2226923-1	Crimp Contact	Socket	N/A	N/A

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Consult TE for the latest dimensions and design specifications.

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