



O.C.H. Micro Circular Connectors

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

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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.





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

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

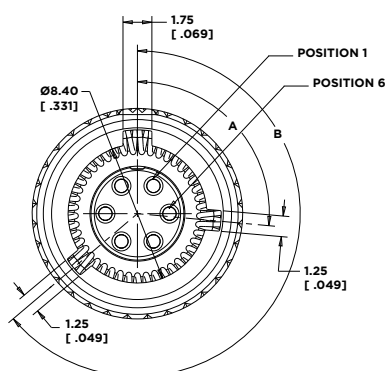
DOCUMENTATION

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

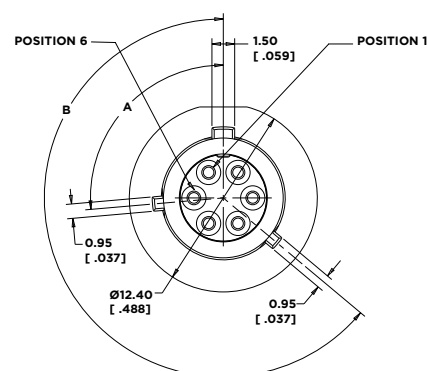
Nett Warrior Keying Guide

A°	B°	Keying
95	230	C*
150	210	A
75	210	B
140	275	D
75	275	E
95	210	F
165	195	MA
140	220	MB
115	245	MC
105	205	MD
155	255	ME

*Tooled



Receptacle Key



Plug Key

TE Components . . . TE Technology . . . TE Know-how . . .

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O.C.H. Cable Applied Plug/Receptacle

TE Part No.	Part Type	Contact Type	No. of Positions	Keying	National Stocking Number
2226910-1	Connector Plug - Cable Applied	Pin (crimp)	6	C	5935-016595575
1-2226910-3	Connector Plug - Cable Applied	Pin (crimp)	6	MA	N/A
2-2226910-3	Connector Plug - Cable Applied	Pin (crimp)	7	C	N/A
3-2226910-4	Connector Plug - Cable Applied	Pin (crimp)	7	MA	N/A
2226920-1	Connector Receptacle - Cable Applied	Socket (crimp)	6	C	5935-01654090
1-2226920-3	Connector Receptacle - Cable Applied	Socket (crimp)	6	MA	N/A
2-2226920-3	Connector Receptacle - Cable Applied	Socket (crimp)	7	C	N/A
3-2226920-5	Connector Receptacle - Cable Applied	Socket (crimp)	7	MA	N/A

O.C.H. Cable Applied Contacts

TE Part No.	Part Type	Contact Type
2226913-1	Crimp Contact - Signal	Pin (crimp)
2226913-2	Crimp Contact - Power	Pin (crimp)
2226923-1	Crimp Contact	Socket (crimp)

* Contacts are supplied w/connector - packaged separately



2226920-1



2226910-1



O.C.H. Anti-Rotation Plug/Receptacle

TE Part No.	Part Type	Contact Type	No. of Positions	Keying
2337319-1	Connector Plug	Pin (solder cup)	6	C
2339799-1	Connector Receptacle	Socket (solder cup)	6	C



2337319



2339799

O.C.H. Receptacle PCB Termination

TE Part No.	Part Type	Contact Type	No. of Positions	Keying
2828420-1	Connector Receptacle - Battery	Socket (PCB solder tail)	6	C
2828420-2	Connector Receptacle - Battery	Socket (PCB solder tail)	7	C



2828420-1



2828420-2



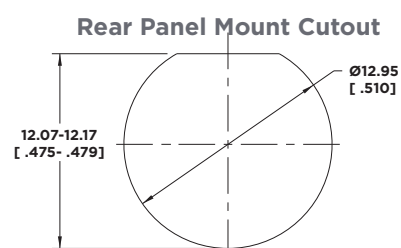
O.C.H. Rear Panel Mount Plug/Receptacle Cable Applied

TE Part No.	Part Type	Contact Type	No. of Positions	Keying
2329309-1	Rear Panel Mount Plug	Pin (crimp)	6	C
1-2329309-3	Rear Panel Mount Plug	Pin (crimp)	6	MA
2-2329309-3	Rear Panel Mount Plug	Pin (crimp)	7	C
3-2329309-5	Rear Panel Mount Plug	Pin (crimp)	7	MA
2313387-1	Rear Panel Mount Receptacle	Socket (crimp)	6	C
1-2313387-3	Rear Panel Mount Receptacle	Socket (crimp)	6	MA
2-2313387-3	Rear Panel Mount Receptacle	Socket (crimp)	7	C
3-2313387-5	Rear Panel Mount Receptacle	Socket (crimp)	7	MA
2828340-1	Rear Panel Mount Receptacle (Wired Assembly)	Socket (crimp)	6	C

O.C.H. Panel Mount Crimp Contacts

TE Part No.	Part Type	Contact Type
2226923-1	Crimp Socket Contact	Socket
2226913-1	Crimp Pin Contact (Signal)	Pin
2226913-2	Crimp Pin Contact (Ground)	Pin

* Contacts are supplied w/connector - packaged separately



**Recommended
Panel Cutout
Scale 6:1**



2329309



2313387



2828340-1

O.C.H. Rear Panel Mount Plug/Receptacle PCB Termination (PCB Solder Tail)

TE Part No.	Part Type	Contact Type	No. of Positions	Keying
2313426-1	Rear Panel Mount Plug	Pin (PCB solder tail)	6	C
1-2313426-4	Rear Panel Mount Plug	Pin (PCB solder tail)	6	MA
2-2313426-3	Rear Panel Mount Plug	Pin (PCB solder tail)	7	C
3-2313426-5	Rear Panel Mount Plug	Pin (PCB solder tail)	7	MA
2329308-1	Rear Panel Mount Receptacle	Socket (PCB solder tail)	6	C
2329308-7	Rear Panel Mount Receptacle	Socket (PCB solder tail)	6	MA
1-2329308-2	Rear Panel Mount Receptacle	Socket (PCB solder tail)	7	C
1-2329308-8	Rear Panel Mount Receptacle	Socket (PCB solder tail)	7	MA



2313426



2329308



LET'S CONNECT

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Technical Support

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Consult TE for the latest dimensions and design specifications.

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