



a HEICO Company

NWA Series

**BREAKAWAY
COMPACT & LIGHT SHELL
POWER & DATA USB 2.0
STANAG 4695 | GOSSRA**

Designed for Soldier Equipment,
Fully Compliant with
Military Standards



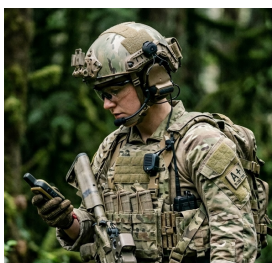
RECEPTACLE



PLUG



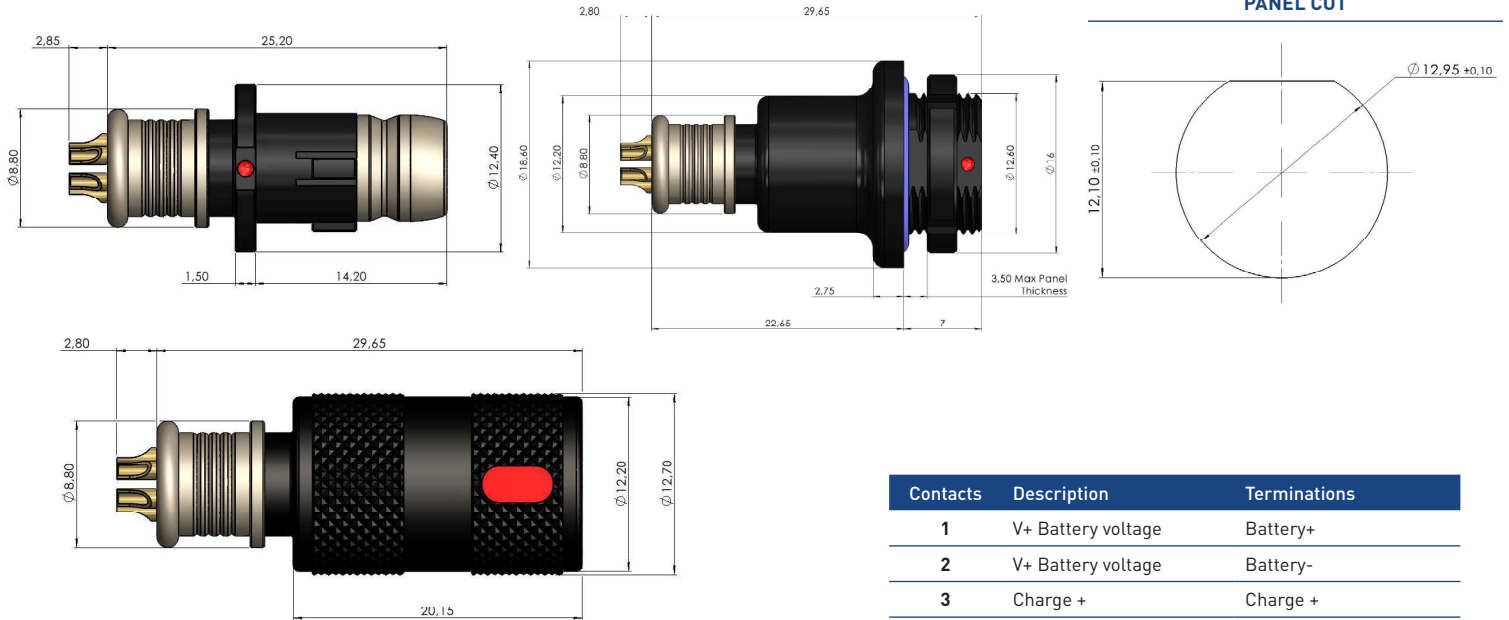
EXTENSION



CONNECT WITH CONFIDENCE

www.bernier.tm.fr

MAIN DIMENSIONS



CONTACT CONFIGURATIONS



Contacts	Description	Terminations
1	V+ Battery voltage	Battery+
2	V+ Battery voltage	Battery-
3	Charge +	Charge +
4	SMBus data	Data
5	SMBus clock	Clock
6	SMBus ID (10K) Thermistor to Ground	S8 ID
7 (if present)	No connection or V+ battery voltage	Blank / NC / Batt+[*2]

TECHNICAL CHARACTERISTICS

MECHANICAL AND CLIMATIC CHARACTERISTICS

Locking Breakaway
Operating temperature -40°C to +75°C
Nbr of mating-unmating cycles Up to 2 000 cycles
Sealing IP68 (1m/1h), connected and disconnected, depth/duration
Corrosion resistance (Salt spray) Aluminium : 96 hours (on test 500h)
Breakaway force 55N +/- 15N

ELECTRICAL CHARACTERISTICS

Nbr. of contacts	6	7
Gauge - AWG	22	26
Types of contacts		
Solder cup - Crimp terminals		
Operating voltage		
< 50 VAC		
Current rating per contact max		
5A		
Voltage drop		
< 85mV for an applied load of 3A at 16 VDC		
Insulating resistance		
> 100 MΩ under 500VDC		
EMI RFI Protection		
Yes		
50V/m across a span of 2-10000MHz		

MATERIALS

Connector shell Aluminum
Connector shell plating Black Zinc Nickel
Insert Thermoplastic
Contacts Copper alloy plated with gold over nickel
Shielding ring Stainless steel
Seals Fluorosilicone

