

# AS Micro Ultra<sup>Lite</sup> HE

Following the outstanding success of the Micro Ultra<sup>Lite</sup> HE connector, Deutsch Ltd have introduced a new evolution of Motorsport Micro connectors - the AS Micro Ultra<sup>Lite</sup> HE. The shortest, lightest, AS connector, this new connector offers a solution where space is at it's most restrictive.

## FEATURES

- Ultra Compact Design (Size 3 shell)
- 3 Size #22 contacts
- Positive Locking Coupling Mechanism
- Conductive Black Zinc Finish
- Interfacial Wire Sealing
- High Conductivity Crimp Type Solid Contacts
- Boot Termination Feature
- Ultra Light Weight (3.9g)
- Gold-Plated crimp contacts
- 6 Keyway orientations
- Scoop proof interface
- PCB option

## BENEFITS

- Minimum Space Envelope
- 30% Lighter than ASL (mated pair)
- 17% smaller dimension on coupling ring than ASL
- No need for Backshells for Boot Termination
- Visual indication of Keyway Orientation of Connector
- Suitable for Blind Mating
- Integral Environmental Wire Seal
- Suitable for sensor applications



## GENERAL SPECIFICATION

### Materials:

Shell/Coupling ring : High Strength Aluminium alloy  
Black Zinc Finish

Contacts: Copper alloy  
Gold plated

Insulators: Thermoplastic

Interface /Wire seals: Fluorinated Silicone

### Dielectric Withstanding Voltage:

Current leakage less than 2 milliamps at 1500 VAC.

### Temperature:

Operating at temperatures from -55°C to +170°C\*.

### Durability:

No electrical or mechanical defects after 500 cycles of engagement or disengagement.

### Contact Current Rating:

Contact Size	Max. Current
#22	5 amps

### Water Immersion:

IP67 rating - 1 metre for 30 mins minimum

### Wire Sealing:

Connector rear sealing grommets are designed to seal on wires having overall insulation diameters within the following range:

**Min. (mm): 0.76**

**Max. (mm): 1.37**

\* The upper limit is the maximum internal hot-spot temperature resulting from the combination of the ambient temperature and heating due to current.

Contact Deutsch for more detail of specific products to meet your sealed electrical connection requirements.

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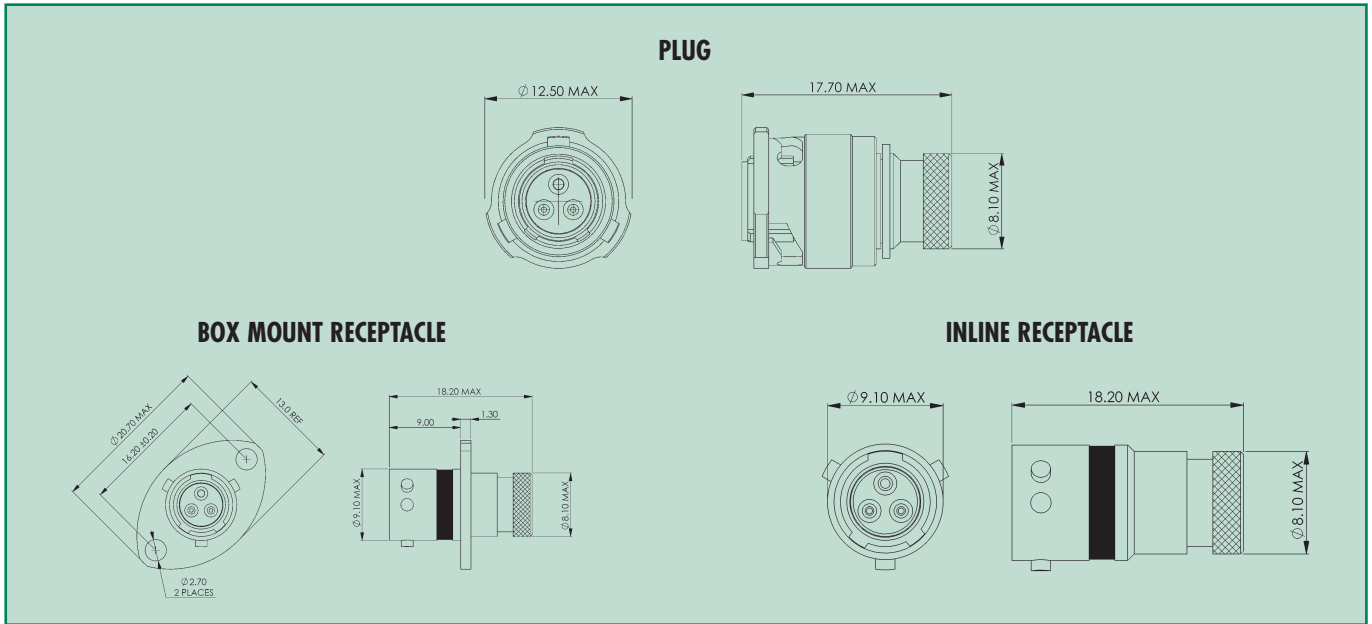
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**TECHNICAL INFORMATION**



Contact Size	Socket Part No	Pin Part No	Crimp Tool	Socket Positioner
22	604984	604946-31	M22520/2-01	605464
PCB Pin	PCB Socket	Pro-Cap for Receptacle	Pro-Cap for Plug	Pin Positioner
605679-31	605681	605684	605687	605463

**BOOT INFORMATION**

	Straight	90 degree
Raychem	204W221-25-G03	224W221-25-G03
Hellermann	1037-4-G	1108-4-G

**ORDERING INFORMATION**

