

Autosport Rally Micro (ASR)

An evolution of the successful ASL connector, the ASR has been created with direct input from the World Rally Championship. With a wider coupling ring with more knurling, this new plug enables mechanics to get better grip to connect and disconnect, whilst wearing gloves in severe environments (snow, ice and mud).

FEATURES

- Ultra Compact design
- Cable accommodation – 22, 24, 26 & 28 AWG
- Positive locking coupling mechanism
- Conductive black zinc finish
- Interfacial and wire sealing
- Scoop-proof interface with shell to shell grounding
- Boot termination feature
- In-line and two hole mounting styles
- Environmentally sealed to IP67
- Gold-plated crimp contacts
- 6 Keyway orientations
- Fully intermateable with Micro HE
- PCB option as standard – 2 contact length variants; standard and short; contact sales office for specifications

BENEFITS

- Minimum space envelope
- Enhanced coupling ring provides better grip in poor conditions
- 7.8mm shorter than Micro HE (mated pair)
- No need for backshells for boot termination
- High quality plating enhances durability and appearance of connector
- Visual indication of keyway orientation of connector
- Uses standard crimp tooling
- Suitable for blind mating



GENERAL SPECIFICATION

Standard Connector

Supplied complete with crimp contacts and insertion/extraction tool

Materials

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

Contacts: Copper alloy
Gold plated

Insulators: Thermoplastic

Interface/Wire seals: Fluorinated silicone

Wire Sealing

Connector rear sealing grommet is designed to seal on a wire having an overall insulation diameter within the following range:

Min (mm) – 0.60

Max (mm) – 1.37

Dielectric Withstand Voltage

1000 Volts ac rms

Mechanical

Current rating: 3 amps

Conductor diameter: 0.790mm (0.031in) max

Temperature range: –55°C to +170°C*

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

VIBRATION

Tested to exceed: Dynamic test - random on random 60g RMS in 3 axis.

Endurance test - random 57g RMS in 2 axis for 8 hours each axis.

Sinusoidal resonance to over 75g.

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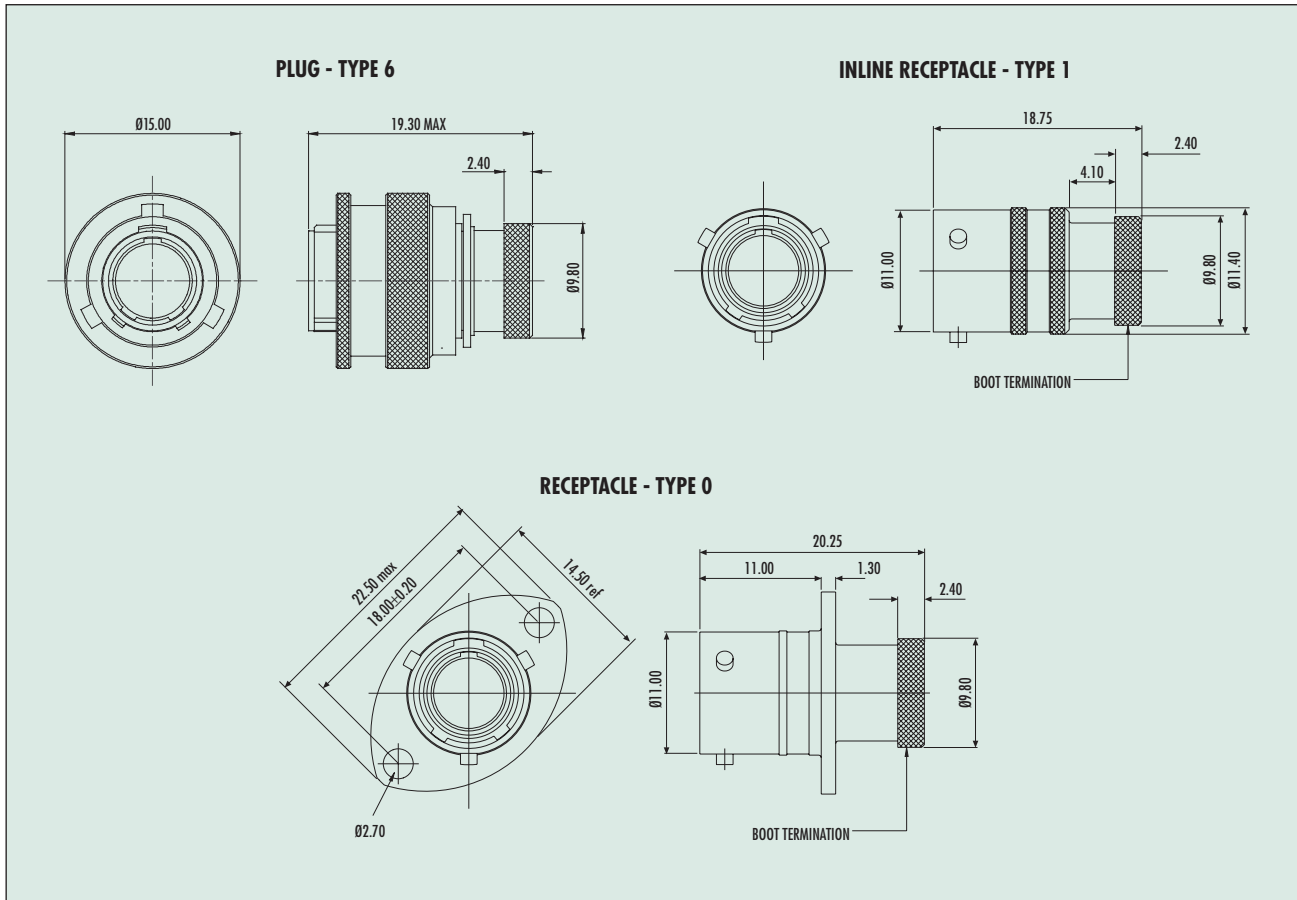
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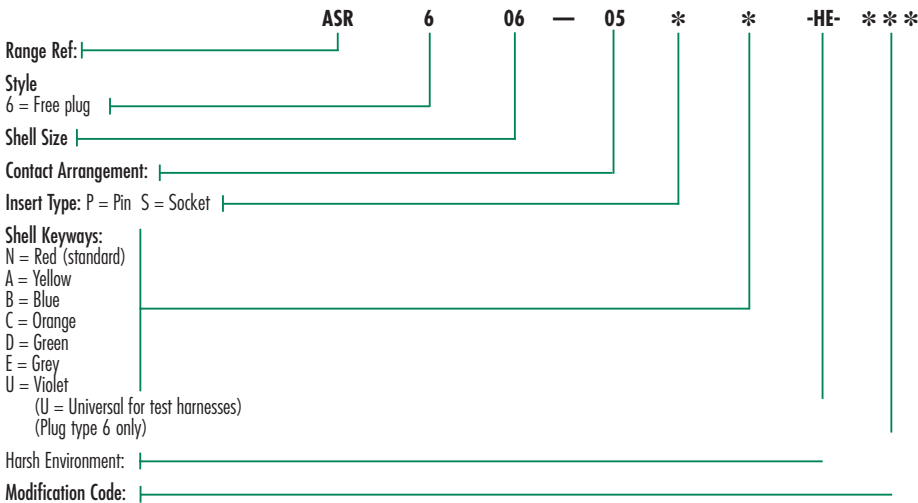
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AS RALLY MICRO: CONTACTS, TOOLING

CONTACT SIZE	PART NUMBERS							
	SOCKET	PIN	FILLER PLUG	INS/EXT TOOL	UN-COUPLING TOOL	CRIMP TOOL	PIN POSITIONER	SKT POSITIONER
23	604935	604927-31	600300-22	M81969/14-01	ASL6HE-UCT	M22520/2-01	604972	604973



ORDERING INFORMATION



ASR = Enhanced plug only
 Receptacle is per ASL (Type 1&2)