

# Fast Facts

## ABCIRP, Modular Bayonet Lock Connectors Series



Circular, reverse bayonet lock connector range for signal and power, derived from MIL-DTL-5015 and VG95234. The range includes 8 shell sizes (18 to 40), 9 contact arrangements (7 to 60 ways) with contact sizes 16, 12 and 8 AWG.

Compatible with other 5015 reverse bayonet lock types.

### APPLICATIONS

#### Rolling Stock

- Design, development and supply of interconnection solutions direct to major OEM partners

#### Equipment

- Comprehensive product portfolio for all electrical interfaces on all rail vehicles

#### Infrastructure and signalling

- Trackside and signalling cables and connectors

#### Services

- Innovative product solutions for upgrades and vehicle overhaul programmes, supporting the vehicle life cycle

### OUR ADVANTAGES

- Shortest connector of it's type, space saving benefits
- 2000 minimum mating and unmating cycles, rugged and reliable under vibration and harsh environments
- Sealed webs in the grommets eliminate the need for filler plugs, also speeds up assembly - no need for dummy contacts
- No additional backshell adaptor needed for 90° backshell
- Multiple colour coded orientations

### MARKET SEGMENTS

- Traction and industrial
- Military and defence

### FEATURES

- Easy coupling low friction roller pins on plug, reduce wear and eases connector mating (8Nm maximum coupling torque in support of RATP)
- Stainless steel wear pins in receptacle shell for positive, repeatable location
- 360° RFI grounding washer
- Hard plastic insulator
- Approved NFF16-101 Halogen free materials
- Conform to EN45545 HL3 R22/R23
- Robust beryllium copper clip retained contacts
- Modular design
- Mated connector seals to IP67, includes innovative environment sealing of grommet entry
- RoHS Compliant

For our full product portfolio, in-house and local design support / distribution partners, visit:

[www.ttelectronics.com/connectors](http://www.ttelectronics.com/connectors)