

The Bar Series Data Carrier System

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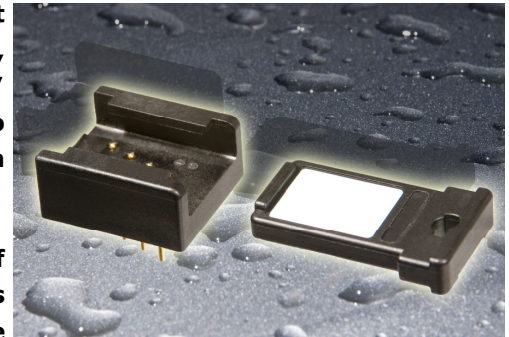
Nexus GB now provide the Datakey Electronics Bar Series of rugged, portable memory tokens and mating receptacles. The Bar series receptacle features an on surface mounting system, which allows you to add a portable data carrier to your product without giving up large amounts of panel space or interior volume. The series features an IP-67 immersion rating and is designed to meet the requirements of the most demanding military and industrial applications.

Externally mounted to avoid using interior volume or panel space

- The unique on-surface mounting style minimises the amount of interior space required, as only the receptacle's pins extend inside the OEM device.
- The Bar Receptacle has a small footprint of only 5.3 cm². The receptacle is secured using two screws and an adhesive gasket, which also contributes to the Bar's IP-67 rating and provides a tamper-evident installation.

Rugged portable memory for the harshest of environments

- The Bar can be used in harsh environment applications, such as: machine access control, calibration & parameter uploads, feature enable/disable, and data transfer. It is also designed to minimise electromagnetic emissions, important in military applications.
- The Bar meets United States Department of Defence MIL-STD-810F specifications as it is constructed of rugged material that protects the embedded memory. This makes it resistant to environmental influences such as shock, vibration, immersion, salt-fog, blowing dust, blowing sand, freezing rain and more.
- An operating temperature range of -40°C to +85°C (-40°C to +100°C storage) and ESD (Electro Static Discharge) protection to greater than 15kV.



Sleek design for ease of use and longevity

- The Bar provides an intuitive slide-in/slide-out operation and an open design for easy in-field cleaning. The Bar series physical features ensure that the token can only be inserted in the proper orientation, allowing for "by-feel" operation in the dark.
- The receptacle features a retention pin that provides tactile feedback when the token is fully inserted, and also helps keep the Token firmly in place during operation.
- The Bar Series uses solid over moulded construction, making it extremely rugged.
- The token uses industry standard serial EEPROM with SPI, I2C and Microwire serial interface options and memory sizes ranging from 1Kbit to 256Kbit.
- The Bar token features a writeable label and is small enough to be carried in a pocket or placed on a keychain or lanyard.
- Unlike consumer memory solutions, the Bar series tokens have a high mating cycle-life (25,000-cycles for the receptacle and 15,000 cycles for the token), are sold only to OEMs, and have long-term product availability.