


FEATURES


Designed to interface with a Sorion standard test rack


Comms and I/O configurations of the carrier card available

Each carrier card supports up to 4 interchangeable modules

BENEFITS

 Flexible configuration using the daughter modules

 System health monitoring

 Continuously expanding module portfolio

APPLICATIONS

End of line test system

Test rack platform for special capabilities (capacitance and current monitoring)

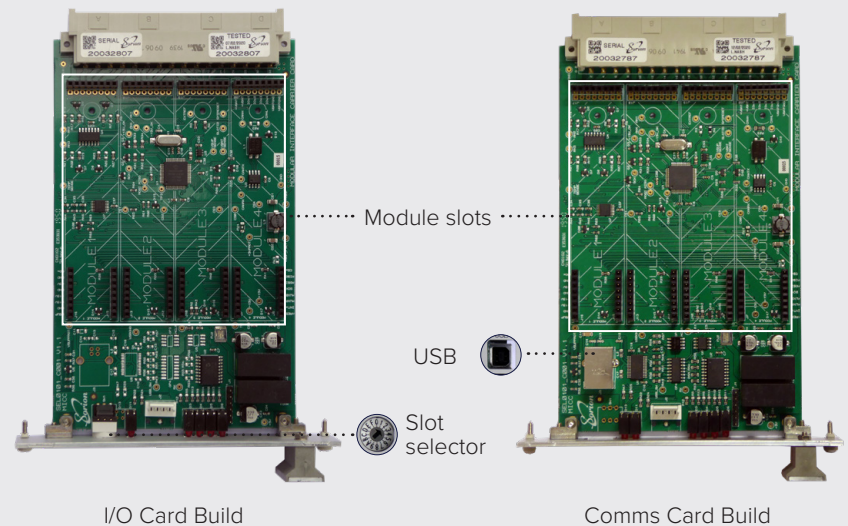
Testing of A²B assemblies and components

The Modular Interface Carrier (MIC) is a modular carrier platform designed to provide support for a configurable mix of specialised modules, allowing for a greater flexibility than a single purpose card.

The carrier card is available in two configurations: Comms card and I/O card.

The platform supports up to four interchangeable modules, with each having access to four back panel I/O points.

The carrier card also provides system health monitoring by checking supply and battery voltage and monitoring the temperature within the Sorion test rack.



Both I/O and Comms configurations of the carrier card provide 4 identical daughter module slots that can be used. This results in greater flexibility of configuration to suit individual application requirements.

I/O CARD

The I/O card version provides support for communication with I/O modules through the backplane of a Sorion electrical test rack, using the I/O sub-system of Sextans.

COMMS CARD

Comms cards provide support for both Comms and I/O modules, with all communication being made via the USB interface.

The Comms carrier card can be used within or external to a Sorion electrical test rack.

MODULES

PROTOTYPING MODULE

The prototype module allows for ad-hoc circuits to be developed and integrated into the MIC system.

This enables rapid development for bespoke requirements either for low volume use or as a development platform prior to as a development platform prior to the production of a dedicated module.

LOW CURRENT MEASUREMENT

The low current measurement module provides four independent channels of switched current measurement. Each channel is identical and designed with a High Side Driver (HSD) as well as a high and low current measurement ranges.

ANALOGUE CAPACITANCE MEASUREMENT

The analogue capacitance measurement module provides four independent channels of capacitance measurement. Each channel is identical and designed to measure capacitance between its output and UUT (Unit Under Test) system ground.

The module is designed to be used with both the I/O and Comms versions of the MIC carrier card.

A²B (AUTOMOTIVE AUDIO BUS) MASTER MODULE

The Automotive Audio Bus (A²B) digital audio bus technology delivers high fidelity audio for automobiles while significantly reducing the weight of existing cable harnesses (by upwards of 75% in key applications).

The Sorion A²B module was developed to communicate with the Automotive Audio Bus and to enable end-of-line testing of A²B assemblies and components. This module is designed to be used with the Comms version of the MIC carrier card.

ABOUT SORION

Founded in 1990 and with equipment installed and operated by major OEMs and Tier 1 suppliers around the globe, Sorion Electronics has an established reputation for innovation, quality and reliability.

Your Partner for:

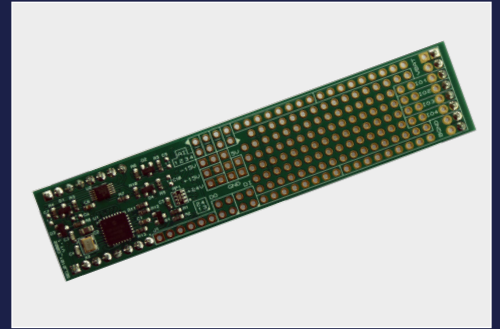
- Guided Assembly Process Control
- End of Line Test Systems
- Autonomous Mobile Robot Systems
- Ruggedised Electrical Connectors & Harnesses
- Quality and Traceability Reporting
- Electronic Product Design and Development



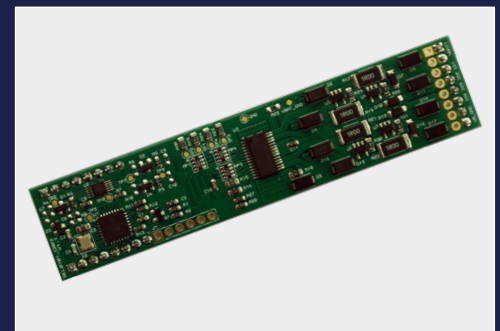
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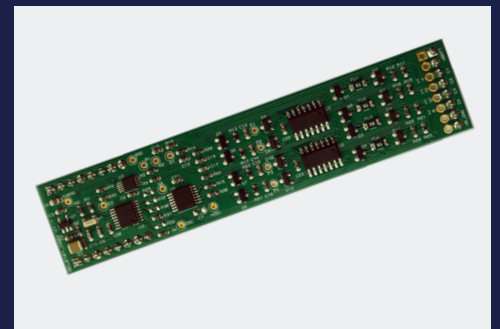
CURRENTLY AVAILABLE MIC MODULES



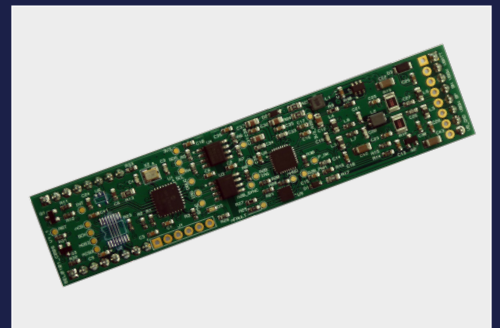
Prototyping Module



Low Current Measurement



Analogue Capacitance Measurement



A²B Module

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