

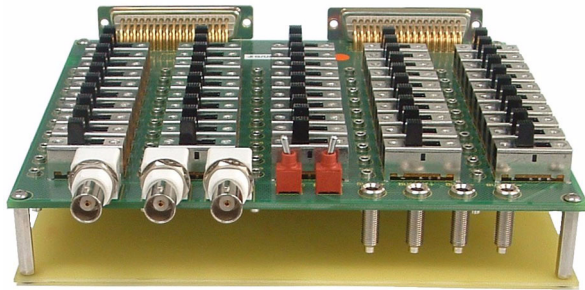


ACRA KAM-500

CONTROL

JIG/UNI/001

Universal test jig for KAM-500 modules



DESCRIPTION

The JIG/UNI/001 is a universal test jig for KAM-500 modules. It is designed so that each of the 50 functional pins, plus ground are exposed. There is a three-way switch which can connect each of the 50 functional pins to an isolated 2mm banana connection, the plus side of the test signal bus or the minus side of the bus.

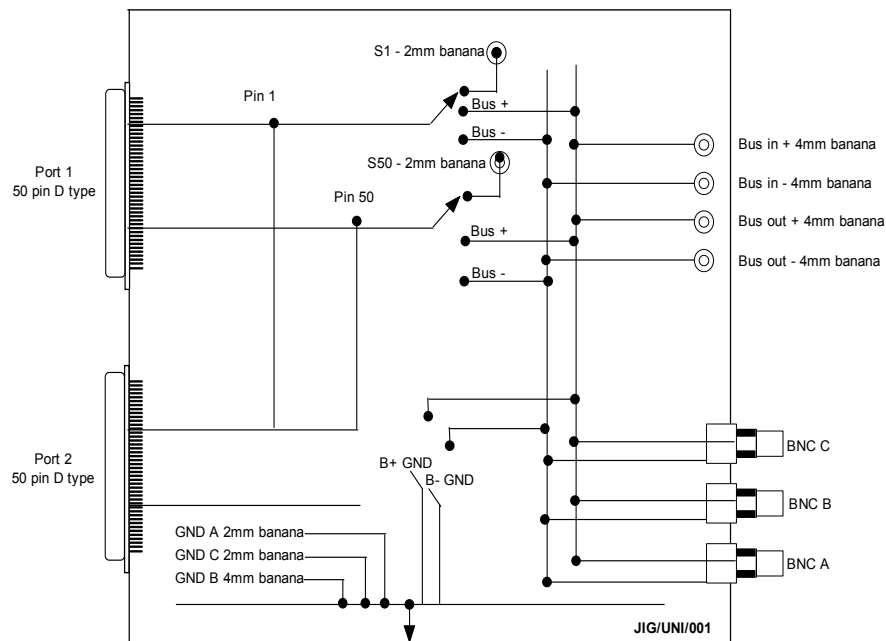
The test jig can be used as a break-out box for insertion into existing wiring looms.

FEATURES

- Universal jig supports all KAM 500 modules that have 52-way double density or 51-way micro-miniature connectors
- External two-wire test signal bus connection by 3 x BNC or 4 x 4mm banana connectors
- The 50 functional module pins each have three-way switch to: isolated 2mm banana connector, test signal bus and or test signal bus minus
- Switches negate the need for external jumper wires for connection to test signals or outputs
- Monitoring of test signal bus possible due to multiple access points
- PCB designed to minimize RF pickup

APPLICATIONS

- Break-out box for insertion into existing wiring looms



Ports 1 and 2 of the JIG/UNI/001

Selection guide and ordering information

Selection Paths

Airborne Data Acquisition → KAM-500 → Accessories

Ordering Information

Part Number	Description
JIG/UNI/001/C	Universal test jig for KAM-500 modules

Revision History

Revision	Differences	Status
JIG/UNI/001/C	First release	Recommended for new programs

Related Products

Module	Details
ACC/CON/031/B	52-way male double density to 50-way D Type (plus 2 x 2mm banana for KAM-500 GND and chassis)
ACC/CON/019	51-way male to 50-way D Type (plus 1 x 2mm banana for KAM-500 GND)

Related Documentation

Document	Details
DOC/MAN/018	KSM-500 Databook
DOC/HBK/002	Environmental Qualification Handbook
DOC/DBK/001	KAM-500 Databook

Specifications

Maximum current per pin:	100mA
Switch life:	5000 operations

Getting the most from the JIG/UNI/001

The test signal bus can be used as an input or an output. If the negative side of the signal test bus is used as a ground, this may be connected to JIG/UNI/001 ground via a switch on the JIG/UNI/001.

To ground all pins, switch the signal bus+ to ground, switch the signal bus- to ground and switch each of the 50 pins to bus+ or bus-. Care should be taken not to connect excitations to outputs when switching.

One ACC/CON/031/B mating cable assembly is supplied with the JIG/UNI/001.