

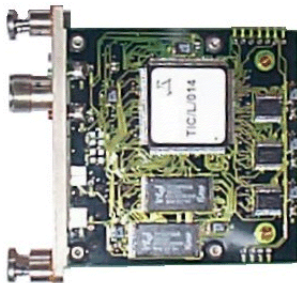


ACRA KAM-500

C O N T R O L

FBM/001

Single EF-2000 FCS bus monitor module



FEATURES

- Parses traffic and tags for up to 1024 data words
- LED indication for traffic and errors
- Supports continuous preamble

APPLICATIONS

- FCS bus monitoring

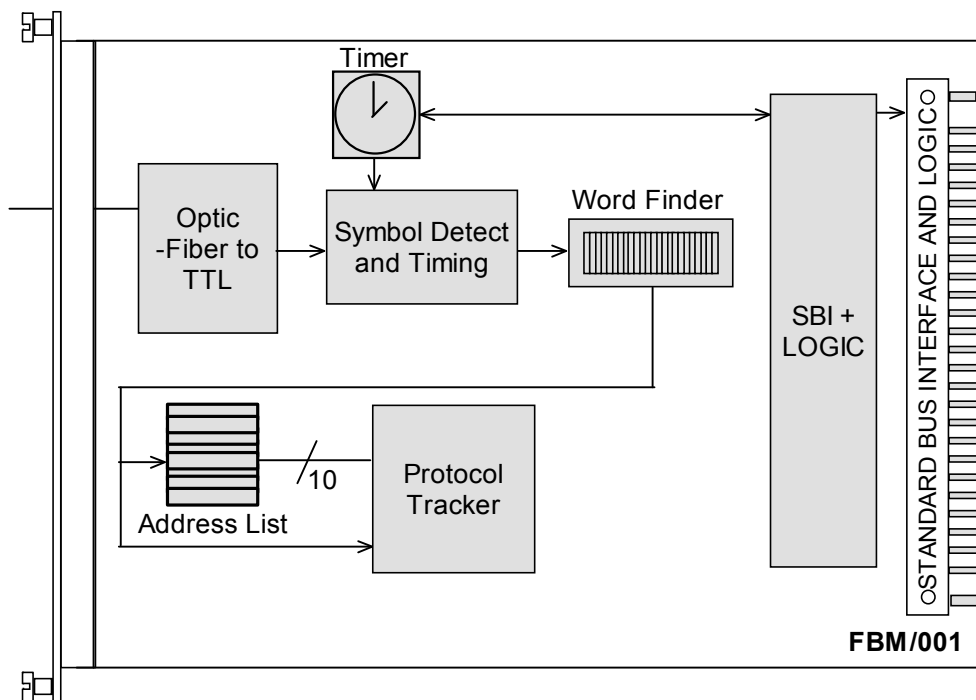
DESCRIPTION

The FBM/001 monitors data on an FCS bus and stores data. This module uses a single receiver of the type used in the dual-redundant STANAG-3910 monitor SBM/001. In particular it assumes the physical layer of the FCS is identical to a single non-redundant STANAG 3910.

The transport/protocol layer of the FCS is identical to STANAG-3910 (PR/SD/FC/PA/DA/WC/INFO/CRC/ED) except that all but the INFO and CRC is fixed. The INFO has 15 address/data pairs.

Each message is stored in a temporary buffer (32 x 16 bits wide) until the complete message is received. If the message is received correctly, the message count (MES_CNT) is updated and the DATA, MES_CNT, LOW and MICRO time tags, can be written, for up to 8192 parameters, determined by the address. Up to 8192 data words can be parsed.

To facilitate continuous preamble the receivers are reset after the end-delimiter for 2 μ s.



FBM/001/B

Selection guide and ordering information

Selection Paths

Airborne Data Acquisition → KAM-500 → Modules → Bus → EFABus

Ordering Information

Part Number	Mating Connector	Description
KAM/FBM/001/B	Not Supplied	Single EF-2000 FCS bus monitor

The FBM/001 uses two user-slots.

Revision History

Revision	Differences	Status
FBM/001/B	Support for continuous pre-amble added	Recommended for new programs
FBM/001	First release	Not recommended for new programs

Related Products

Module	Details
KSMv2	This module is supported by the KSMv2 suite of software tools

Related Documentation

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