

Mixed Signal Division

## DK86628-1

February 2001  
Version 1.0

FME/MS/QUADAFE/FL\_2/4645

### KeyWave™ II Quad AFE Development Kit

#### FEATURES

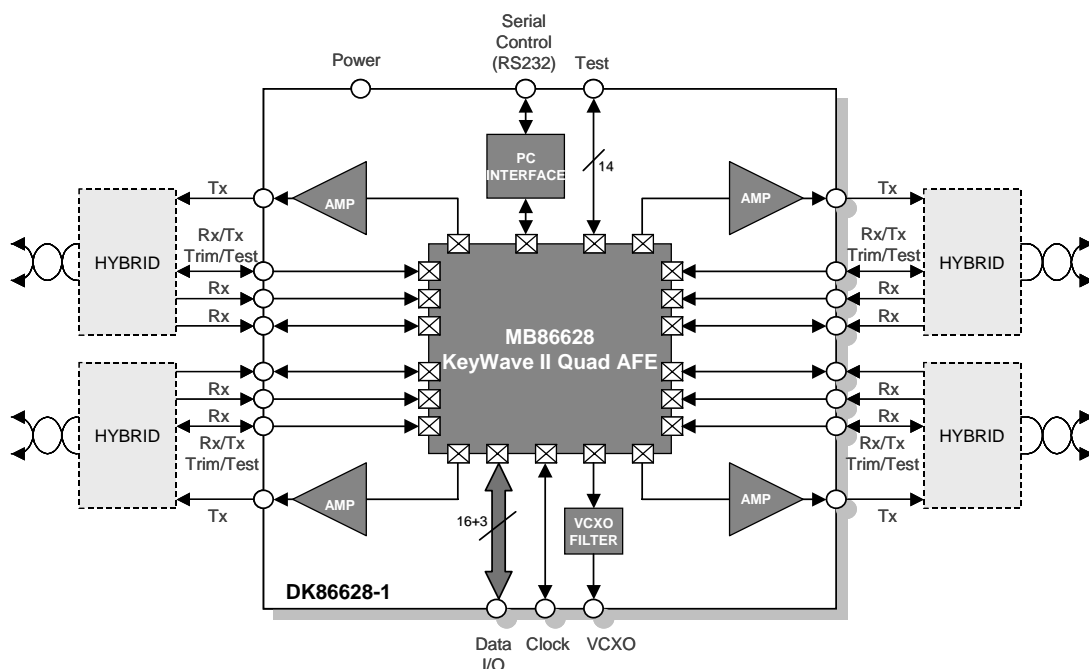
- MB86628 ready mounted on a high performance eight layer PCB
- SMB connectors for all analog signals
- Transformer coupled differential to single-ended conversion for Rx and Tx channels
- Positions for optional plug-on hybrid boards
- 2.54mm pitch headers for digital I/O signals
- Positions for transmit channel amplifiers
- RS-232 interface for KeyWave II Quad AFE programming from a host PC
- Simple control software
- Spare MB86628 for customer development
- Comprehensive user manual

#### DESCRIPTION

Fujitsu's DK86628-1 KeyWave™ II Quad AFE Development Kit provides a simple and effective means of evaluating the MB86628. This enables faster device evaluation without incurring the time and cost penalties of in-house PCB design and manufacture.

The development kit provides a complete evaluation environment for the KeyWave™ II Quad AFE. Connections for all analog and digital I/O signals are provided for integration into a target application, and an RS-232 serial interface is provided to allow the Quad AFE to be programmed from a host PC. Positions for transmit channel instrumentation amplifiers are provided. Positions are also provided to allow the user to plug on a custom hybrid board.

#### K86628-1 EVALUATION BOARD



## DEVELOPMENT KIT

The DK86628-1 Development Kit contains an evaluation board, power supply connector, PC serial cable, user manual, PC software on 3.5" diskette and one spare MB86628 device.

The evaluation board requires one low voltage DC power supply capable of providing 500mA. The KeyWave™ II Quad AFE is configured via the serial port of a host PC, running simple control software under Windows 9x.

The user manual guides the user step-by-step through configuring the board, connecting the test equipment, and evaluating the Quad AFE's performance. Detailed schematics, PCB overlay's and connector pin-outs are all included to assist the user in the operation of the evaluation board.

## ORDERING INFORMATION

Part	Order Number
MB86628 Development Kit	DK86628-1
MB86628 KeyWave II Quad AFE	MB86628PBT
DK86628-1 User Manual	Contact Sales
MB86628 Datasheet	Contact Sales

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