

November 1999

DK86061-3

Version 3.1

12-Bit 400MSa/s DAC Development Kit

FME/MS/SFDAC1E/FL_2/4260

Features

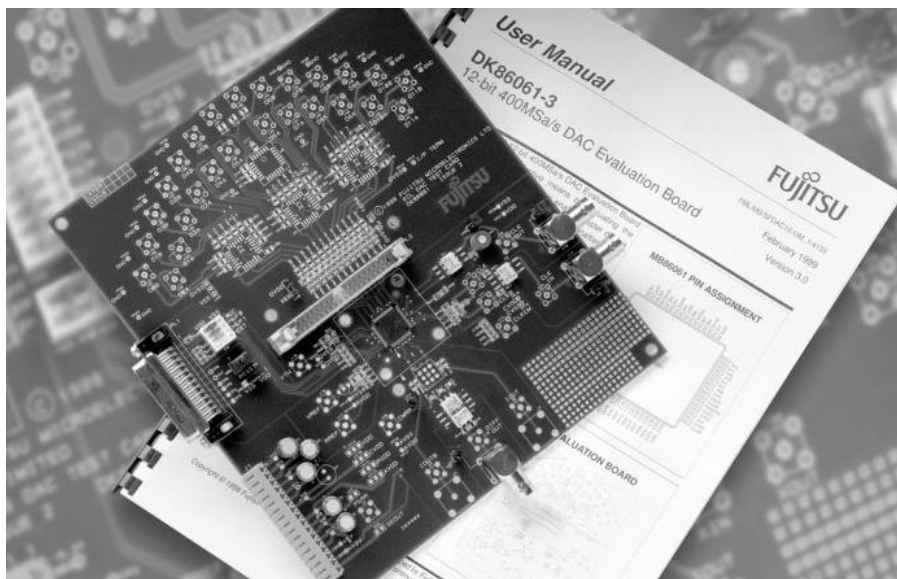
- MB86061 ready mounted on the PCB
- Spare MB86061 for customer development
- 12-bit ECL data input via a 40way IDC header or optional SMA/SMB connectors
- Transformer-coupled differential output via BNC and optional SMA/SMB connectors
- Transformer-coupled RF clock input via BNC and optional SMA/SMB connectors
- Requires DC power supplies of +3.3V and -2V
- Four layer gold plated PCB
- Matrix prototype area included on board
- Remote control via a 25way D type connector
- Comprehensive user manual

Description

Fujitsu's DK86061-3 12-bit 400MSa/s DAC Development Kit provides a simple and effective means of evaluating the MB86061. This enables faster device evaluation without incurring the time and cost penalties of in-house PCB design and manufacture.

The board provides a complete evaluation environment for the DAC. A transformer-coupled differential analog output interface is provided to simplify integration into target applications and development environments. The clock is sourced from a transformer coupled RF source, and 12-bit ECL data is input via a 40way IDC header. Various other connector and output configurations are available for fitment by the user.

DK86061-3 Evaluation Board



DK86061-3 12-Bit 400MSa/s DAC Development Kit

Development Kit

The DK86061-3 Development Kit contains an evaluation board, power supply connector, user manual and one spare sample MB86061 device.

The evaluation board requires two low voltage DC power supplies capable of providing 500mA each, an RF clock source, and a 12-bit ECL digital waveform generator. The board is configured via on-board switches and jumper links, or can be controlled remotely.

The user manual guides the user step-by-step through configuring the board, connecting the test equipment, and evaluating the DAC'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
MB86061 Development Kit	DK86061-3
MB86061 DAC	MB86061PFQ
DK86061-3 User Manual	Contact Sales
MB86061 Datasheet	Contact Sales

Worldwide Headquarters

Japan

Fujitsu Limited

Tel: +81 44 754 3753
Fax: +81 44 754 3329

1015 Kamikodanaka 4-1-1
Nakahara-ku
Kawasaki-shi
Kanagawa-ken 211-88
Japan

<http://www.fujitsu.co.jp/>

Asia

Fujitsu Microelectronics Asia Pte Limited

Tel: +65 281 0770
Fax: +65 281 0220

151 Lorong Chuan
#05-08 New Tech Park
Singapore 556741

<http://www.fmap.com.sg/>

USA

Fujitsu Microelectronics Inc

Tel: +1 408 922 9000
Fax: +1 408 922 9179

3545 North First Street
San Jose CA 95134-1804
USA

Tel: +1 800 866 8608
Fax: +1 408 922 9179

Customer Response Center
Mon-Fri: 7am-5pm (PST)

<http://www.fujitsumicro.com/>

Europe

Fujitsu Microelectronics Europe GmbH

Tel: +49 6103 6900
Fax: +49 6103 690122

Am Siebenstein 6-10
D-63303 Dreieich-Buchsschlag
Germany

<http://www.fujitsu-fme.com/>