



Z8917500ZCO

Z89175/176 VOICE PROCESSING EVALUATION KIT

FEATURES

■ Supported Devices:

Packages	Emulation
----------	-----------

100-Pin QFP	Z89175
-------------	--------

100-Pin QFP	Z89176
-------------	--------

■ Fully Digital Answering Machine Capability

■ Caller ID Support

■ Date and Time Stamping

■ High-Quality Voice

■ Z89175 Evaluation Kit Software

■ DTMF Detection/Generation

GENERAL DESCRIPTION

Zilog's Z89175 Voice Processing Evaluation Kit (Z8917500ZCO) demonstrates the fully digital answering machine capabilities of the Z89175 and Z89176 voice processing devices, including LPC speech generation, voice compression/expansion, and DTMF encoding/decoding.

The Z89175/176 Evaluation Board features:

■ On-chip CODEC that provides demonstration for the Memo and Incoming Message functions.

■ Caller ID On-Hook function with LCD display.

■ One Samsung KM29N040, 512 x 8-bit FLASH memory with expandability for a second KM29N040.

The Z89175 Evaluation Kit can be used to develop and debug Z8[®] application code with the Z89175 Toolbox Software (included in this kit) and the C65 ICEBOX™ Emulator (Z89C6501ZEM, not included in this kit). No DSP code writing is necessary. The Z89175 Voice Processing Evaluation Kit provides a complete suite of software aids: application code, DSP code, and toolbox code to assist in evaluation and development of 175/176-supported applications.

SPECIFICATIONS

Operating Conditions

Operating Temperature: 25°C, ±10°C

Power Requirements

+12 VDC @ 500 mA

Dimensions

Width: 4.25 in. (10.8 cm)

Length: 5.75 in. (14.61 cm)

Height: 4.5 in. (11.43 cm)

KIT CONTENTS

Z89175 Evaluation Board

Circuit Board

On-Board Operation Instructions

4 x 16 Character Liquid Crystal Display (LCD)

Two-Inch Speaker

Support Hardware

12 VDC Power Supply

68-PLCC Adapter

100-QFP Adapter

Z8 I/O Expander

Telephone Cord

Evaluation Kit Software Diskette

Application Code

DSP Code

Toolbox Code

Documentation

Z89175 Evaluation Kit User's Manual

(Includes Kit Schematic and Bill of Material)

SOFTWARE DEVELOPMENT REQUIREMENTS (OPTIONAL)

Host Computer

IBM PC (or 100-percent compatible) 386-based machine running Microsoft Windows 3.1. For increased performance, the following is recommended: 486- or Pentium-based machine, 66 MHz (or faster), 8 MB of RAM (or more), SVGA video adapter, color monitor, and printer.

Note: Exact host computer requirements are dependent on which particular support tools are used.

Support Tools

Z89175 Evaluation Kit Software

Z8 Assembler

C65 ICEBOX Emulator (Z89C6501ZEM)

© 1996 by Zilog, Inc. All rights reserved. No part of this document may be copied or reproduced in any form or by any means without the prior written consent of Zilog, Inc. The information in this document is subject to change without notice. Devices sold by Zilog, Inc. are covered by warranty and patent indemnification provisions appearing in Zilog, Inc. Terms and Conditions of Sale only. Zilog, Inc. makes no warranty, express, statutory, implied or by description, regarding the information set forth herein or regarding the freedom of the described devices from intellectual property infringement. Zilog, Inc. makes no warranty of merchantability or fitness for any purpose. Zilog, Inc. shall not be responsible for any errors that may appear in this document. Zilog, Inc. makes no commitment to update or keep current the information contained in this document.

Zilog's products are not authorized for use as critical components in life support devices or systems unless a specific written agreement pertaining to such intended use is executed between the customer and Zilog prior to use. Life support devices or systems are those which are intended for surgical implantation into the body, or which sustains life whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.

**Zilog, Inc., 210 East Hacienda Ave.
Campbell, CA 95008-6600
Telephone (408) 370-8000
FAX (408) 370-8056
Internet: <http://www.zilog.com>**