Hardware User Guide for ZM-VF01A-T01
(ZM-VF01A Evaluation Board)

1. Overview

The ZM-VF01A-T01 is a ZM-VF01A evaluation board, i.e., a carrier board designed to facilitate rapid prototyping and testing with the ZM-VF01A module in conjunction with the MCP2210 USB-to-SPI converter. The board enables direct connectivity to host systems via USB, supporting both Windows® and Ubuntu® operating environments, as well as ARM-based platforms running Ubuntu Linux.

The carrier board provides mechanical compatibility for mounting the ZM-VF01A module and the MCP2210 board, allowing secure mounting during evaluation and easy removal when not required. Fig. 1 depicts the ZM-VF01A module and MCP2210 board.
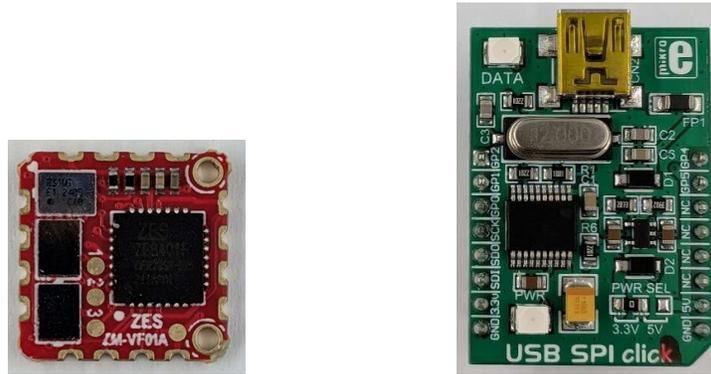

Fig. 1: ZM-VF01A and MCP2210 boards

The overall board dimensions are **57 mm × 33 mm**. A reference image of the ZM-VF01A-T01 is shown in Fig. 2.
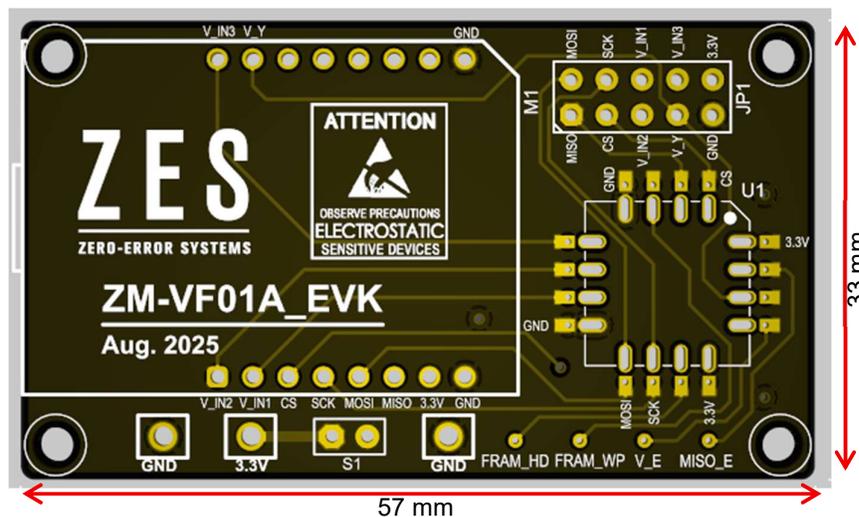

Fig. 2. ZSOM-M01-T01

The ZM-VF01A-T01 board incorporates a configuration jumper (S1) that allows the ZM-VF01A module to be powered with a 3.3 V supply sourced directly from the MCP2210.

The ZM-VF01A module's 10 signal pins, along with power and ground, are accessible through a board-to-board connector and corresponding test pins (JP1), enabling direct evaluation and debugging. Refer to ZM-VF01A datasheet for more details. Additional test points for power and ground are also provided on the ZM-VF01A-T01 board for measurement and validation purposes.
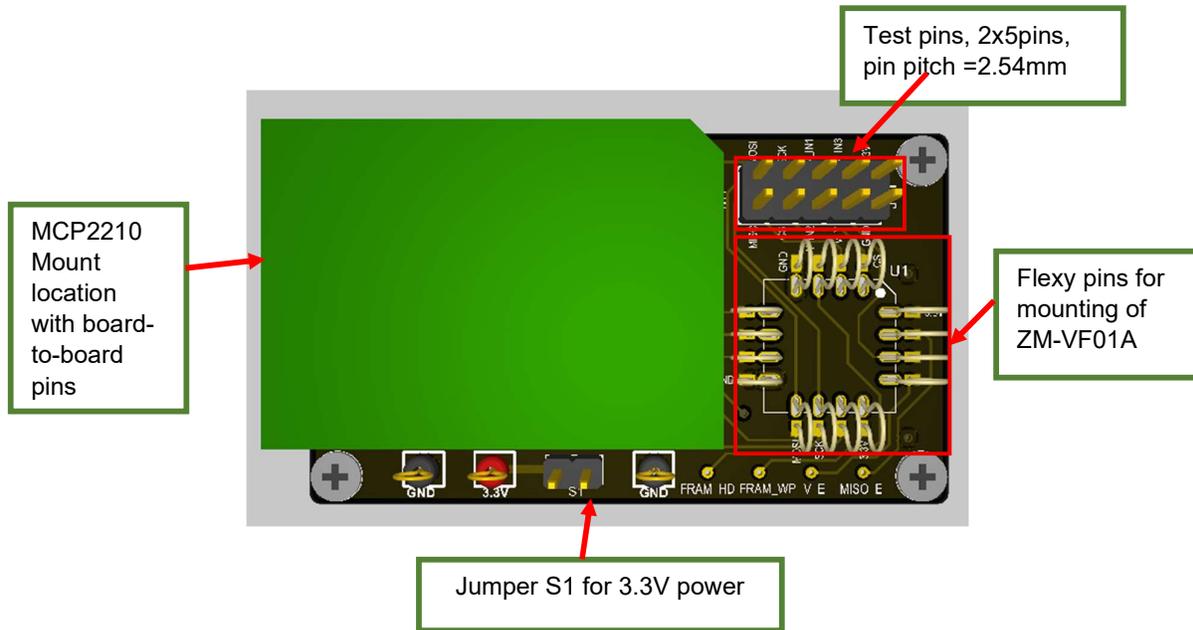
2. Functional Block on ZM-VF01A-T01 Board

Fig 3. Functional block description

2. Revision History

Version	Description	Date
V1.0	First version	Sep-2025

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3. Legal

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