

CAN Bus Analyzer FD Tool

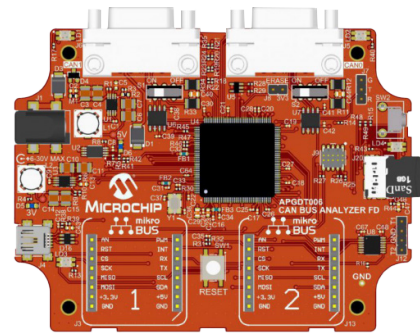
APGDT006

6/1/2026

For the most up-to-date information, visit [mouser.com](https://www.mouser.com) or the manufacturer's website.

DESCRIPTION

Microchip Technology APGDT006 CAN Bus Analyzer FD Tool is designed to serve as a simple-to-use, cost-effective CAN Bus monitor for developing and debugging high-speed CAN networks. This tool features a 6V to 30V external input power supply range, two CAN DB9 connectors, and CAN Bus termination resistors (switched). The CBA-FD tool complies with ISO 11898-2 (high-speed CAN with transmission rates up to 1Mbit/s), ISO 11898-2: 2016, and SAE J2962-2. This tool incorporates standard functionalities essential for an industry tool, including trace, transmit, trace filter, log file capability, and the ability to group CAN message transmissions. The CBA-FD tool includes an on-board micro SD card interface for future functionality and a mini USB interface to a PC. Typical applications include automotive, marine, industrial, and medical devices.



FEATURES

- CAN DB9 connector (x2)
- CAN Bus termination resistors (switched)
- CAN Bus monitor and debug
- On-board Micro SD card interface for future functionality
- Mini USB interface to PC
- 6V to 30V external power supply input

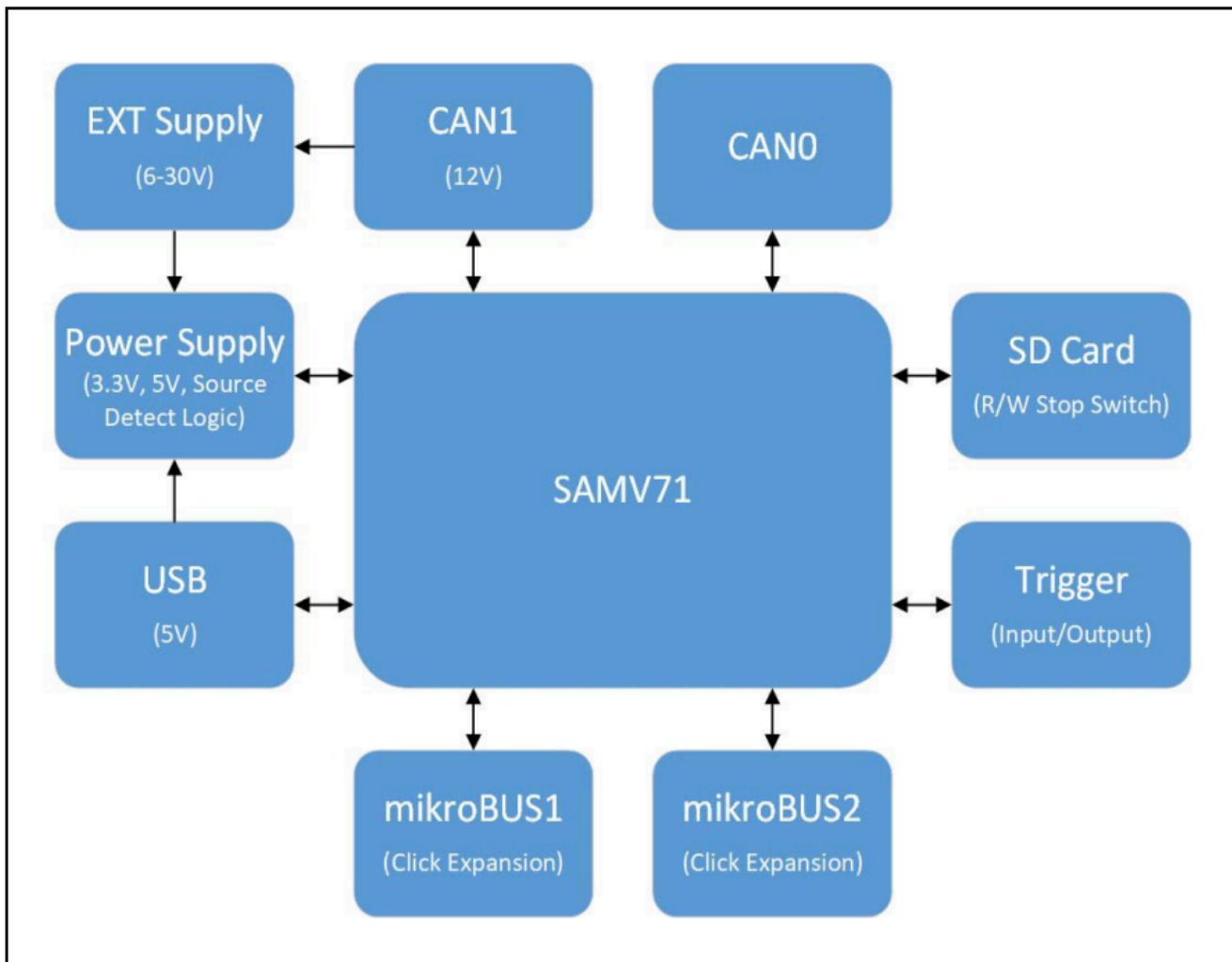
APPLICATIONS

- Automotive
- Marine
- Industrial
- Medical

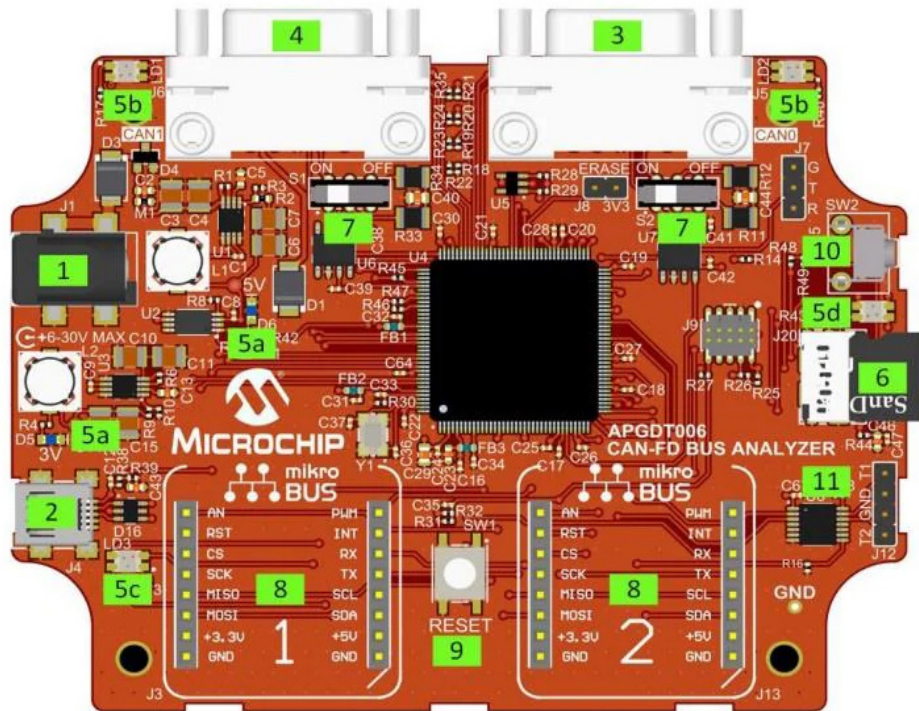
KIT CONTENTS

- mikroBUS add-on headers for future peripheral expansion
- External trigger for future functionality
- APGDT006 CAN bus analyzer FD tool
- USB-A to USB-mini cable

SYSTEM BLOCK DIAGRAM



CAN BUS ANALYZER FD OVERVIEW



- | | |
|---|---------------------------------------|
| 1. 6V-30V External Power Supply Connector | 6. SD Card Slot |
| 2. Mini-USB Connector | 7. CAN0/CAN1 Bus Termination Switches |
| 3. CAN0 DB9 Connector | 8. mikroBUS™ Click Interface (x2) |
| 4. CAN1 DB9 Connector | 9. MCU RESET Switch |
| 5. Indicator LEDs | 10. SD Card Stop Switch |
| 5a. 3.3V and 5V power | 11. Trigger Input/Output Header |
| 5b. CAN0 and CAN1 status | |
| 5c. USB status | |
| 5d. SD Card status | |

MOUSER PART NUMBER

[View Part](#)

To learn more, visit <https://www.mouser.com/new/microchip/microchip-apgdt006-can-bus-analyzer-fd-tool/>