

CAN/I2C Activity Board Pro Part Number: TP360210



The CAN/I2C Activity Board Pro is the ideal tool for the embedded systems developer working with CAN and I2C protocols. This board provides known-good target devices to help developers get up and running quickly.

Target devices featured on this activity board can operate as CAN nodes or I2C slaves. The CAN/I2C Activity Board Pro is compatible with the Komodo CAN Duo interface and the Aardvark I2C/SPI Host Adapter.

Features

- Test and debug with known working CAN and I2C slave devices.
- Interface directly with the Komodo CAN Duo Interface or the Aardvark I2C/SPI Host Adapter.

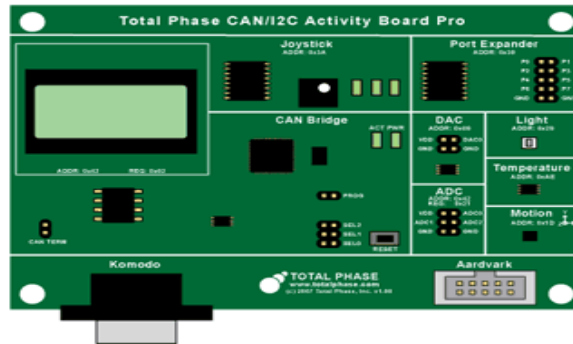


Figure 1: CAN/I2C Activity Board Pro

Targets

- **Digital-to-Analog Converter (DAC)**
DAC081C085 Single Channel 8-bit Digital-to-Analog Converter (NXP Semiconductors)
- **Motion Sensor**
LIS33DE 3-axis Linear Accelerometer (ST Microelectronics)
- **Light Sensor**
APDS-9300 Ambient Light Photo Sensor (Avago Technologies)
- **Port Expander #1**
PCA9554AD 8-pin Port Expander with pins configured as inputs or outputs (NXP Semiconductors)
- **Joystick, LEDs, and Port Expander #2**
TPA511GLFS 2-axis Joystick with five output pins (C&K Components)
PCA9554AD Port Expander communicates the status over CAN and I2C (NXP Semiconductors)
- **Analog-to-Digital Converter (ADC)**
AT90CAN32 8-bit ADC on the AT90CAN32 MCU (Atmel)
- **LCD Display**
NHD-0208AZ-RN-YBW 2x8 character LCD Display Module (Newhaven Display International)
- **Temperature Sensor**
DS75 Digital Thermometer and Thermostat (-55°C to +125°C) (Maxim Integrated Products)

Example Code

Example code for the CAN/I2C Activity Board Pro will be available in C, C#, Python, .NET, VB.NET, and VB6 as part of the Komodo Software API and Shared Library package in the Downloads section of this website. README.txt files are included in the package to explain each of the examples.

DISTRIBUTOR



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