

Product Name :

i2C ADC / DAC Module for Embedded System Trainers Teaching Labs

Product Code :

EMB-TR-21



Description :

I2C ADC/DAC Module - i2C ADC / DAC Module I2C protocol based ADC/DAC module enables students and practicing engineers to gain practical experience of applications of Microcontroller. The object is to understand how two wire serial interface device is used for interfacing with Microcontroller to communicate with external applications. Analog inputs are converted into digital through Microcontrollers and vice versa. ADC/DAC module, has input and output terminals for connection of external real world applications.

PC based programming

Expansion connectors for plug in with Microcontroller unit and prototyping area

Every pin is marked in order to make work easier

Input/Output & test points provided on board

ADC

I2 C compatible serial interface, 400 kHz I C fast mode

Single-ended analog input channel

On-chip sample and hold

On-chip conversion clock

Single supply operation

DAC

Simple I2C Serial interface

Single supply operation

Low Power : 350mA operation, 0.5mA shutdown

Exhaustive Learning Material

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