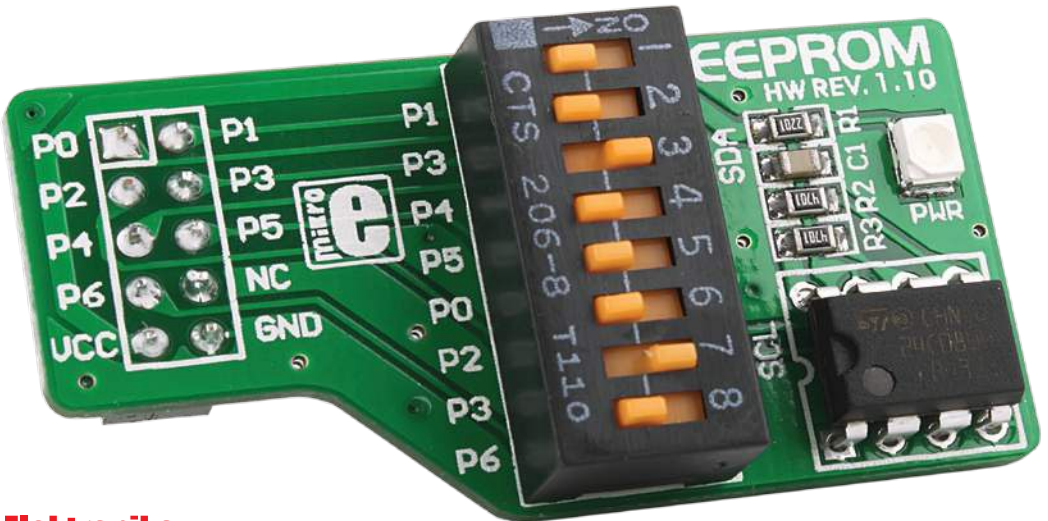
user's guide to

EEPROM

Expand development system capabilities by adding 8K EEPROM memory accessory board



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General Manager

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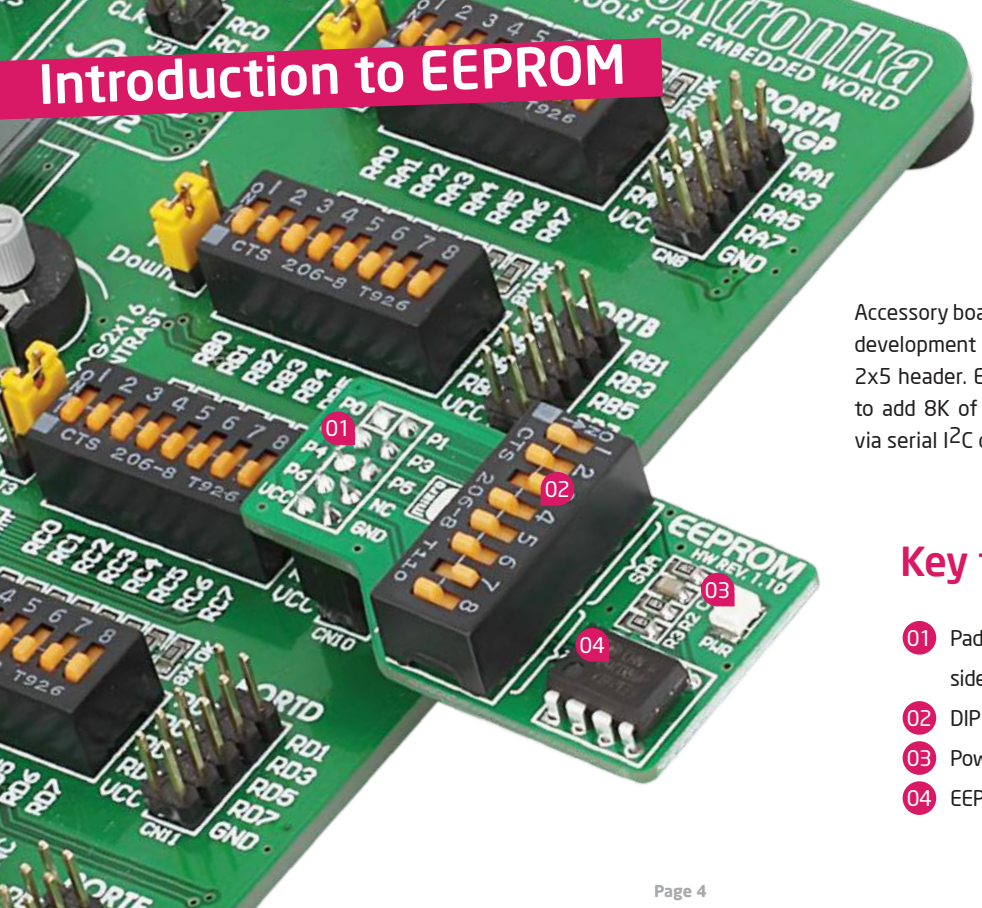
Introduction to EEPROM



Accessory board is designed for usage with various development systems and other MCU device with 2x5 header. EEPROM accessory board is designed to add 8K of EEPROM memory to microcontroller via serial I^2C communication.

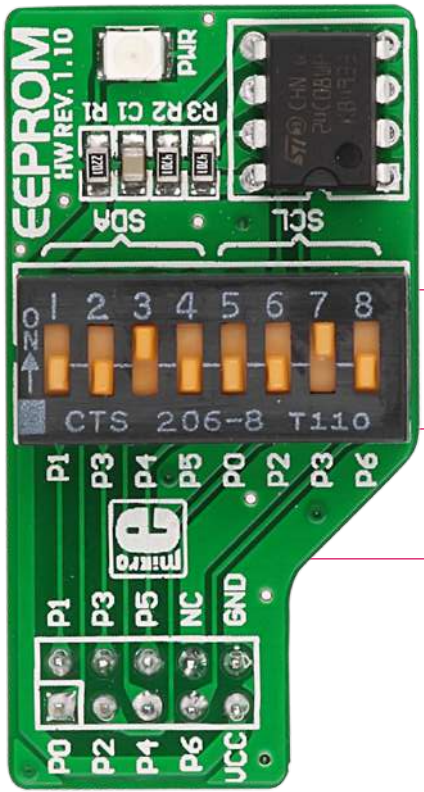
Key features

01 Pads with female 2x5 header on back side of the board.

02 DIP switch for pin selection.

03 Power indication LED

04 EEPROM chip 24C08



System Specification

power supply

3.3V or 5V DC depends on MCU power supply

power consumption

min 0.6uA (standby mode)

max 3mA (write mode at 100kHz)

board dimensions

45.34 x 23.88 mm (1.78 x 0.94")

weight

~9g (0.02 lbs)

1. Connecting with development system

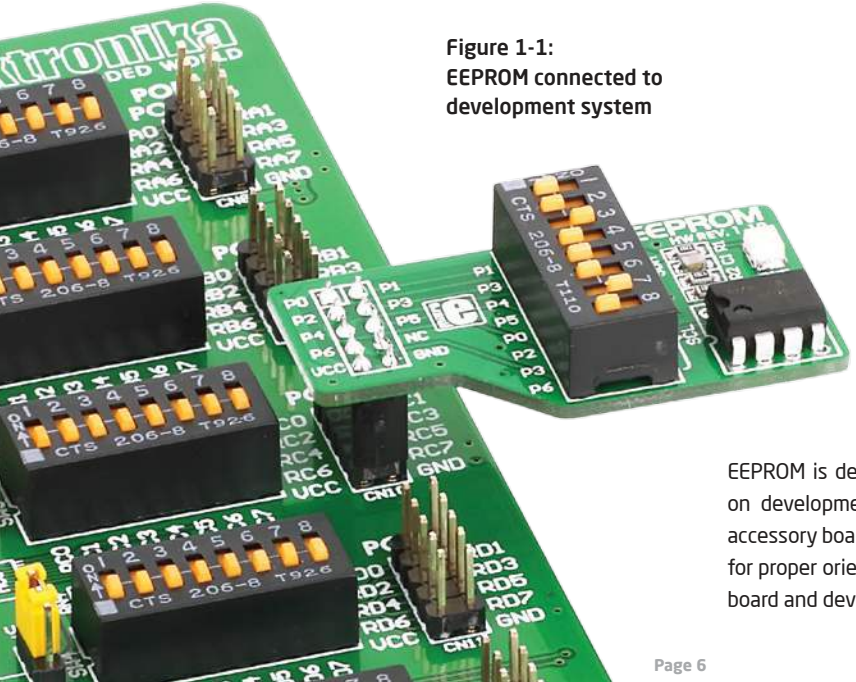


Figure 1-1:
EEPROM connected to development system

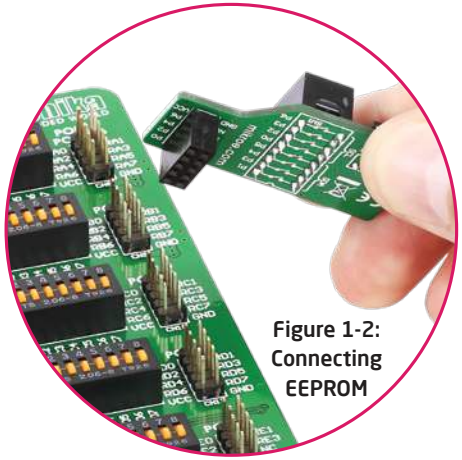


Figure 1-2:
Connecting EEPROM

EEPROM is designed for connection with 2x5 male headers on development system port's via 2x5 female header on accessory board. Every pin on 2x5 female header is marked so for proper orientation just compare marks between accessory board and development system.

2. DIP switch settings

In order to connect EEPROM to different development system it is necessary to make settings on DIP switch SW1. Every pin on DIP switch SW1 is connected to different pin of 2x5 female header. In table 1 is given list which switch on DIP switch SW1 should be turned ON for different development system.

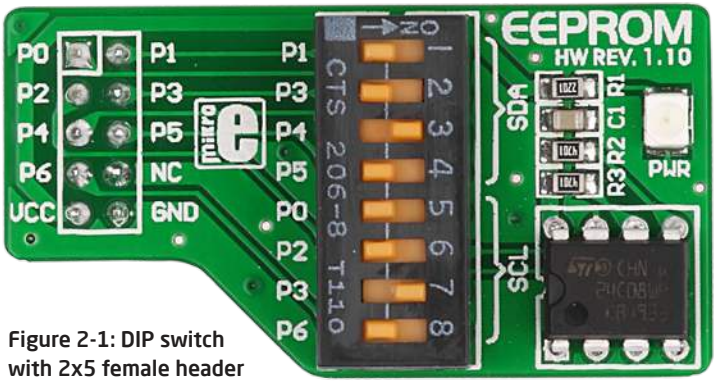


Figure 2-1: DIP switch with 2x5 female header

Table 1

Development system:	Turn ON switch number:	Pin on female 2x5 header:	Pin function:
EasyAVR, BIGAVR	5	P0	SCL
EasyAVR, BIGAVR	1	P1	SDA
BIGdsPIC, dsPIC PRO, LV-32MX, LV 24-33	6	P2	SCL
BIGdsPIC, dsPIC PRO, LV-32MX, LV 24-33	7	P3	SDA
EasyPIC, BIGPIC, LV18FJ, Easy LV18	3	P4	SDA
EasyPIC, BIGPIC, LV18FJ, Easy LV18	7	P3	SCL
Easy24-33	8	P6	SCL
Easy24-33	4	P5	SDA

3. Schematic

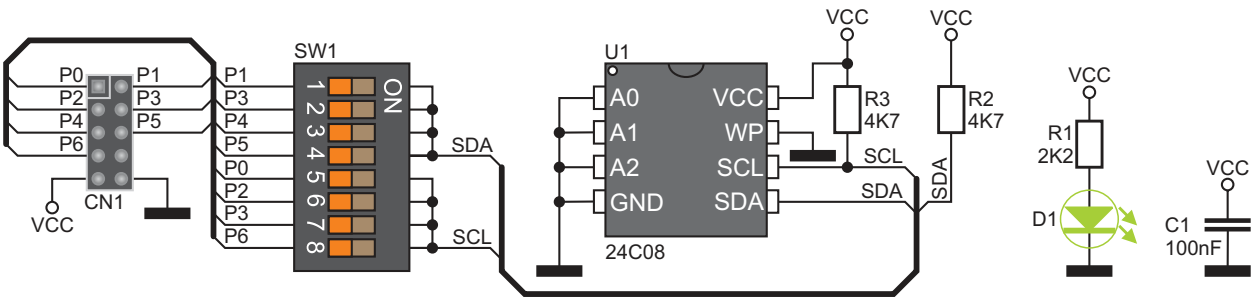


Figure 3-1: Connection schematic

4. Dimensions

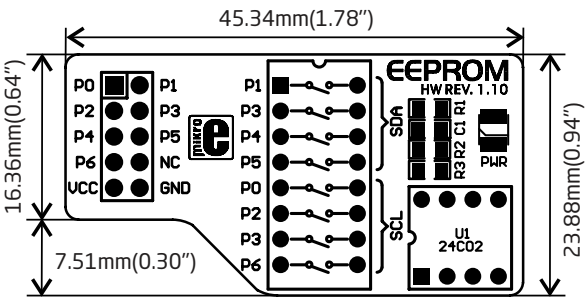


Figure 4-1: Dimensions

Notes:

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