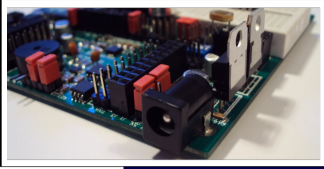


DC BE 9-12V



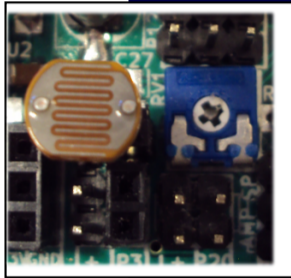
Feszültség szabályzó
5V 3.3 V



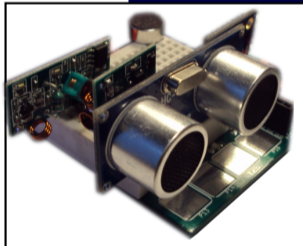
Csatlakozó 5V 3.3 V GND

Fényellenállás

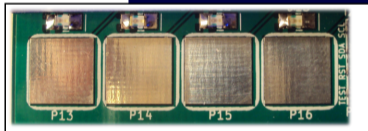
Potenciométer



Kísérleti pad

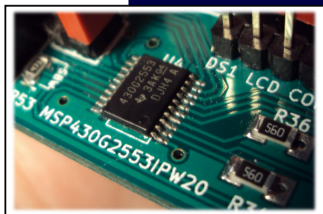


CapSense Billentyűk x4



MSP430G2553

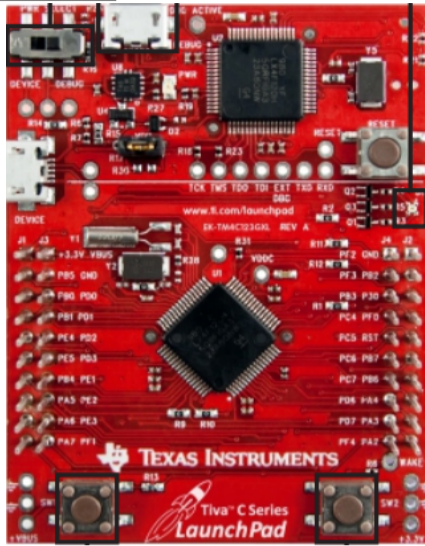
Frequency (MHz)16
Flash (KB) 16
SRAM (kB)0.5
GPIO 24
Cap touch I/O Yes
Timers - 16-bit 2
Watchdog Yes
Brown Out Reset Yes
USCI_A (UART/LIN/IrDA/SPI)
USCI_B (I2C & SPI) 1
Comparators Yes
Temp Sensor Yes
ADC 10-bit SAR
ADC Channels 8



MSP430G2553
SBW - Spy Bi Wire interface
I2C INTERFACE
4 Capsense pad
4 LED
6 Szabad GPIO

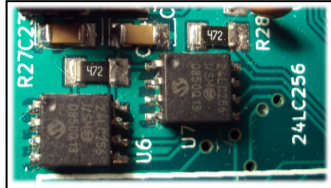
Tiva C TM4C LaunchPad (EK-TM4C123GXL)
80-MHz, 32-bit ARM Cortex-M4 CPU
USB csatlakozó

In-Circuit Debug Interface (ICDI)

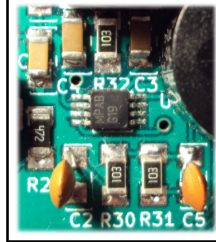


256KB Flash
32KB RAM
2-KB EEPROM
2x 12ch 12-bit ADCs (1 MSPS)
16x Motion PWM channels
24x Timer/Capture/Compare/PWMs
3x Analog comparators
4x SPI/SSI, 6x I2C, 8x UART
USB Host/Device/OTG
2x CAN
Low-power hibernation mode
43x GPIO

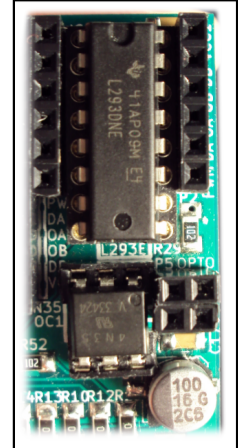
EEPROM 24lc256



LM4819 erősítő



L293 MOTOR INTERFACE



OPTO CSATOLÓ

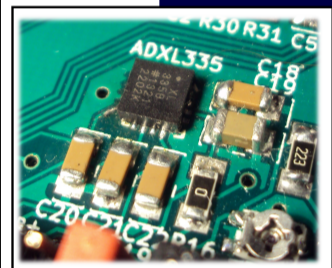
Hang kimenet

Piezo hangszóró

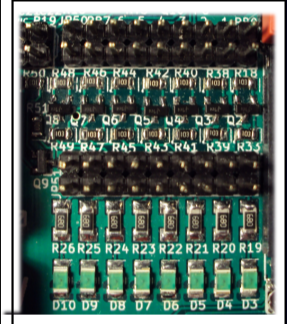
A | B | C | D | E | F PORT

GPIO aljzatok

ADXL335 3d accelerometer



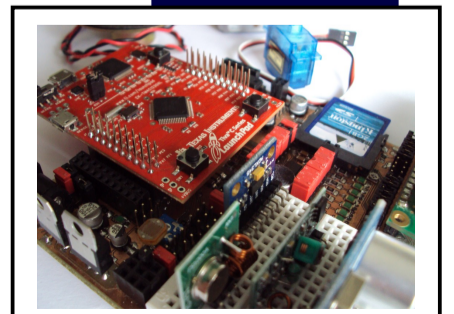
8 bit Level Shifter BSS138



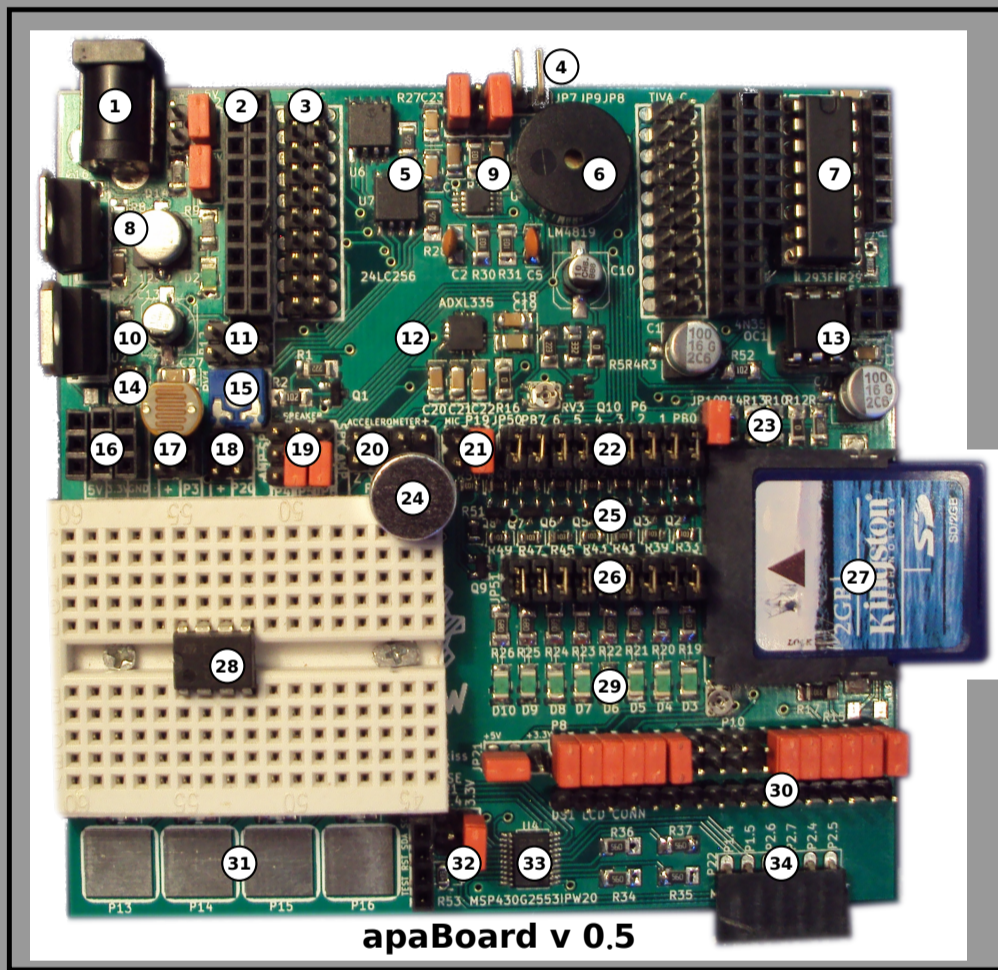
SD kártya



Hang / mikrofon bemenet



APA BOARD 0.5 verzió



apaBoard v 0.5

eskolar.com

2014.04.30

- 01 táp bemenet DC 12 V -ig
- 02 GPIO aljzat
- 03 Launchpad aljzat
- 04 hangszóró kimenet erősítő JP
- 05 eeprom x 2
- 06 piezo hangszóró
- 07 L293 moto DC, PWM, step, servó
- 08 7805 - stabilizált 5V
- 09 LM4819 erősítő
- 10 LM317 -fesz.szab 3.3V
- 11 eeprom JP
- 12 ADXL335 3d accelerometer 200G
- 13 4N35 opto coupler
- 14 Fényellenállás
- 15 potenciométer
- 16 +5V +3.3V GND aljzat
- 17 fényellenállás JP
- 18 Potenciométer JP
- 19 erősítő & piezzo JP
- 20 ADXL335 3d accelerometer JP
- 21 Mikrofon JP
- 22 Lev Shift JP 3.3V INPUT - OUTPUT
- 23 SD OR ell. & JP leválasztás
- 24 Mikrofon
- 25 BSS138 Level shifter
- 26 BSS138 JP 5V INPUT - OUTPUT
- 27 SD kártya
- 28 kísérleti pad
- 29 PORT B LEDSOR
- 30 HD44780 16x2 LCD adapter
- 31 Kapacitív érzékeny érintőpad
- 32 MSP430G2553 -I2C - SBW +3.3VJP
- 33 MSP430G2553
- 34 MSP430G2553 GPIO interface

HD44780 16x2 LCD adapter

