



TI ?????MCU ??? "MSP430 Lanuchpad ", ??? TI M430 ???
????????Code Composer Studio??????????????.

???

<http://sites.google.com/site/msp430launchpaddiy/>

?????????,.????????Arduino IDE for MSP430 ?? Energia??

<https://github.com/energia/Energia>

?Arduino CODE + Lanuchpad +????????? ??????????

????TI Lanuchpad ??Arduino ?????? ??????NT 140~180

?Arduino ?? ??USB to TTL ??(?? Router +?? ?????FW ???)

??? AVR,PIC ???

(thx ?? : ?????Lanuchpad?????Arduino IDE???????)

??

	TI Launchpad	Arduino Uno
Microcontroller	TI M430G2553	ATMega328
Data Bus	16 bit	8 bit
Speed	16 MHz	16 MHz
Storage	16 KB	32 KB
RAM	512 B	2 KB
Digital I/O	8 channels	14 channels
Analog I/O	8 channels	6 channels
Kit cost	\$4.30 @ TI.com	\$29.95 @ Adafruit
MPU cost	\$2.80/1 chip	\$2.82/1chip

????

http://e2e.ti.com/cfs-file.ashx/_ke...F00_Driver.zip

Energia iDE ??

<http://dl.dropbox.com/u/<wbr/>10073018/<wbr/>energia-0006-linux.tgz>

<http://dl.dropbox.com/u/<wbr/>10073018/<wbr/>energia-0006-windows-expert<wbr/>.zip>

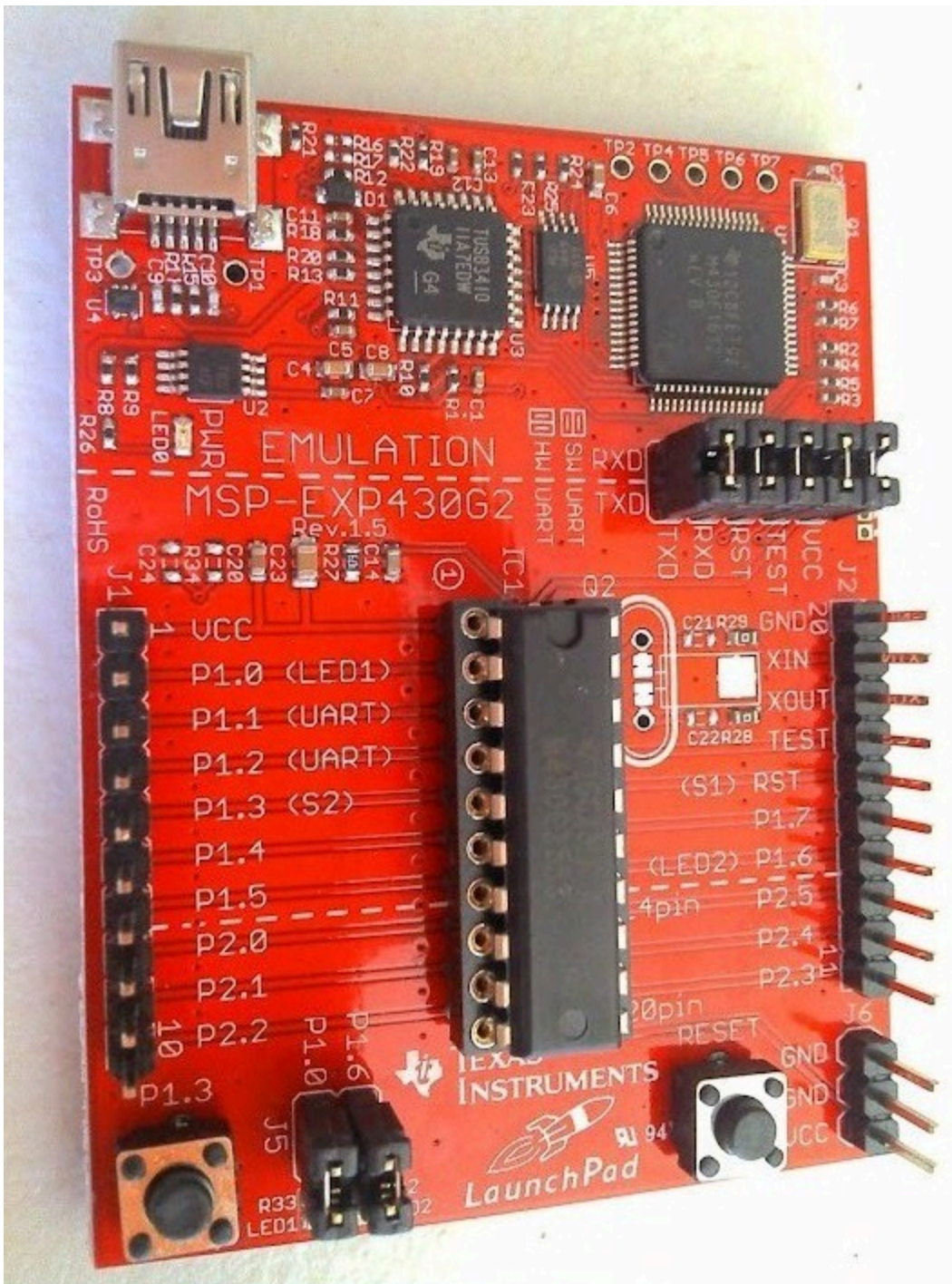
<http://dl.dropbox.com/u/<wbr/>10073018/<wbr/>energia-0006-windows.zip>

Arduino IDE ?????? Launchpad ?? ???code???

```

          +-\/--+
VCC      1|      |20  GND
(A0)     P1.0  2|      |19  XIN
(A1)     P1.1  3|      |18  XOUT
(A2)     P1.2  4|      |17  TEST
(A3)     P1.3  5|      |16  RST#
(A4)     P1.4  6|      |15  P1.7  (A7) (SCL) (MISO) depends on chip
(A5)     P1.5  7|      |14  P1.6  (A6) (SDA) (MOSI)
          P2.0  8|      |13  P2.5
          P2.1  9|      |12  P2.4
          P2.2 10|     |11  P2.3
          +-----+

```



?? OSSLab???Arduino ?? code ???LaunchPad???
 ??,IRDA ,???.(??)

http://processors.wiki.ti.com/index.php/Download_CCS