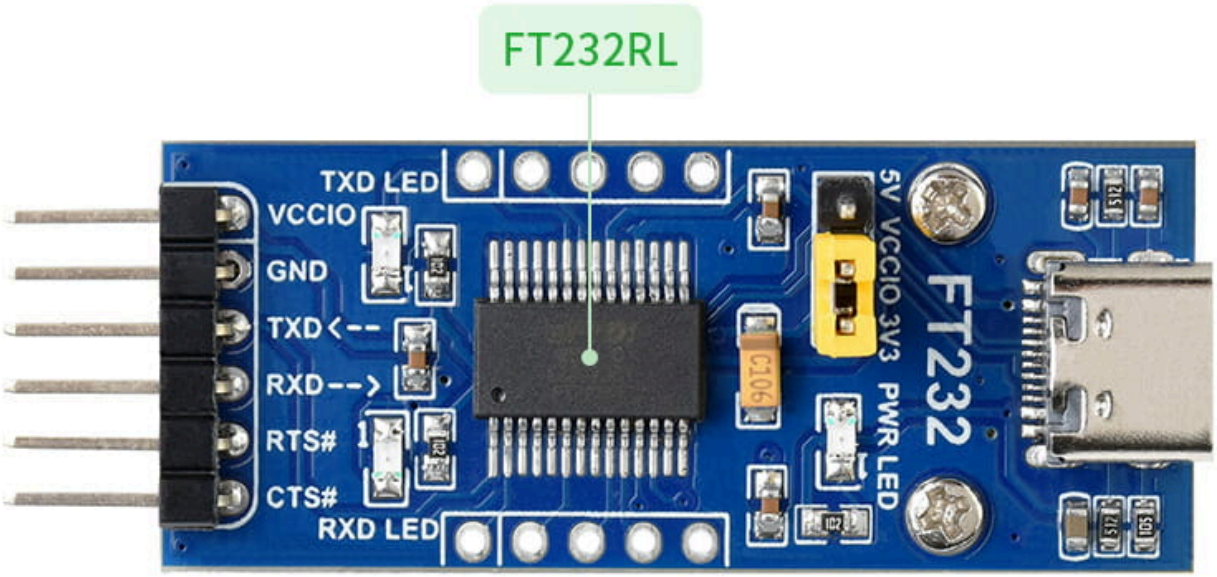
LPC811M001JDH16FP

Tutorial by Imeldushiiii

The easiest way, using LPCXpresso instead of OpenOCD :)

1. Gather the things you need



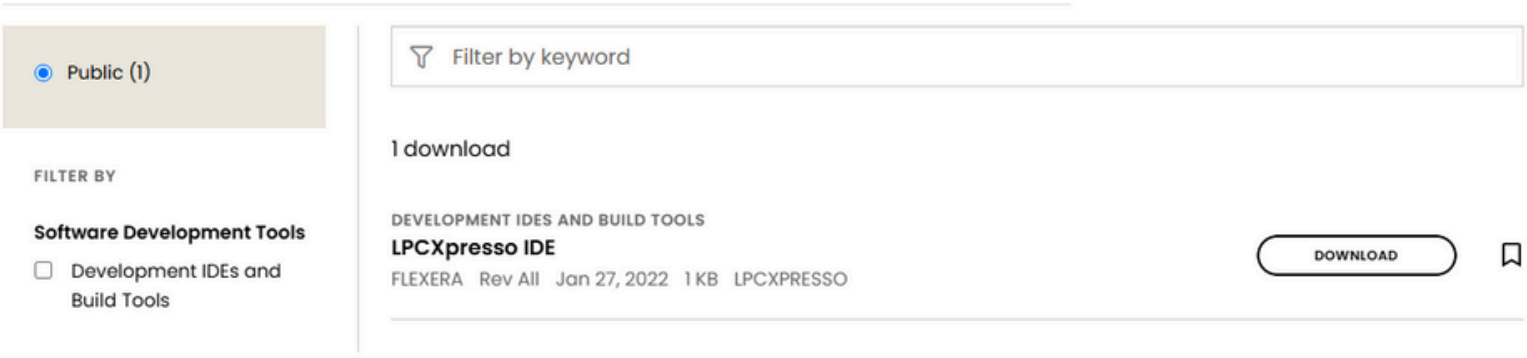
Our MCU is using ISP or SWD Boot mode, we will use ISP, which means we need USB/UART converter. Btw we can use other USB/UART converters, but my favourite is FT232.

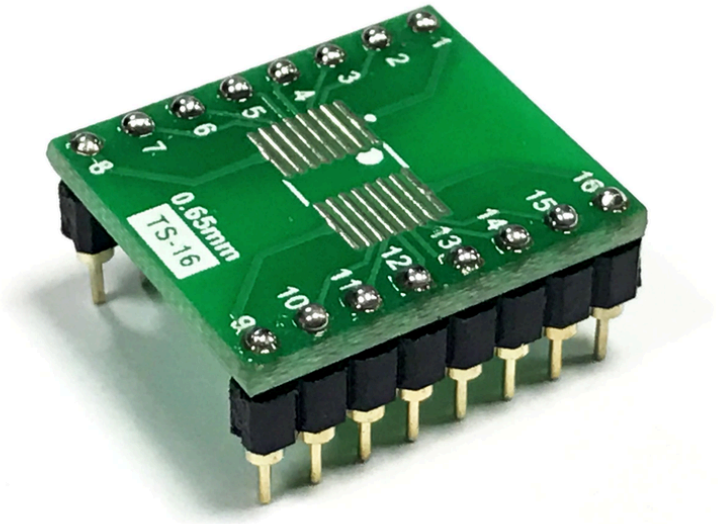
LPCXpresso IDE, of course we can use Keil Uvision, but my license has expired xD, so say hi to LPCXpresso.

Download link:

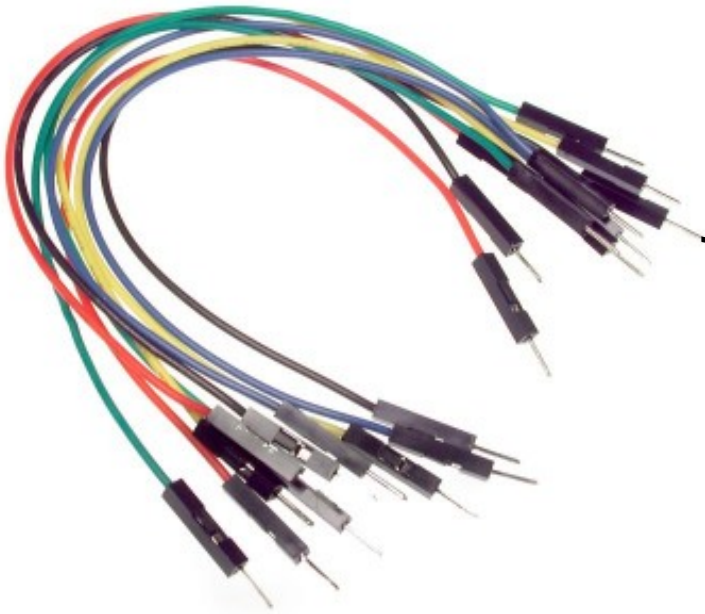
https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/general-purpose-mcus/lpc54000-arm-cortex-m4-/lpcxpresso-ide-v8-2-2:LPCXPRESSO

Scroll Down and you should see:

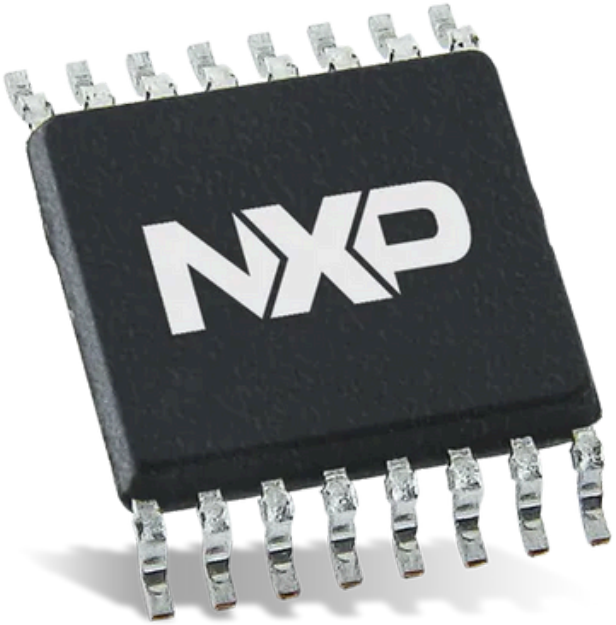




TSSOP16 TO DIP adapter, you can make homemade PCB of couse :)



Jump Wires to connect our MCU to debbuger

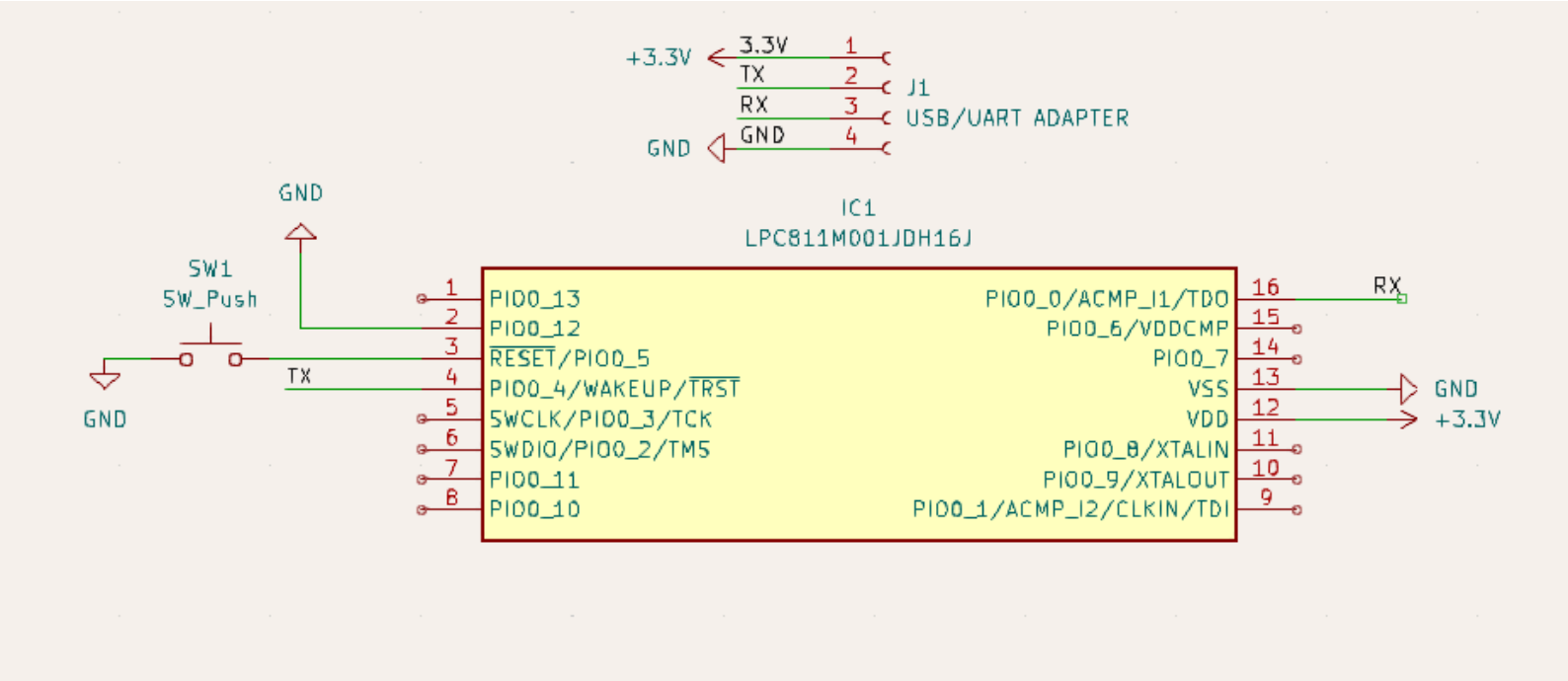


And of course our LPC811 MCU tssop16

Flash Magic software, to connect MCU to debbuger.

https://www.flashmagictool.com/download.html&d=flashmagic

2. Connect MCU to debbuger

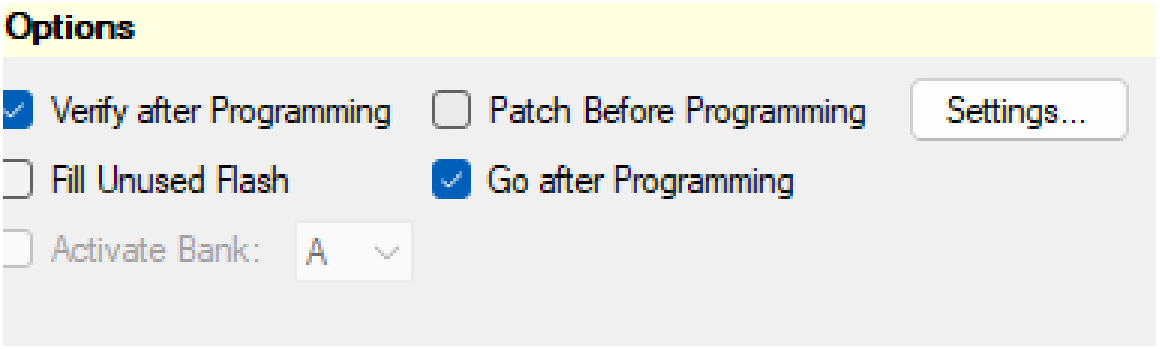


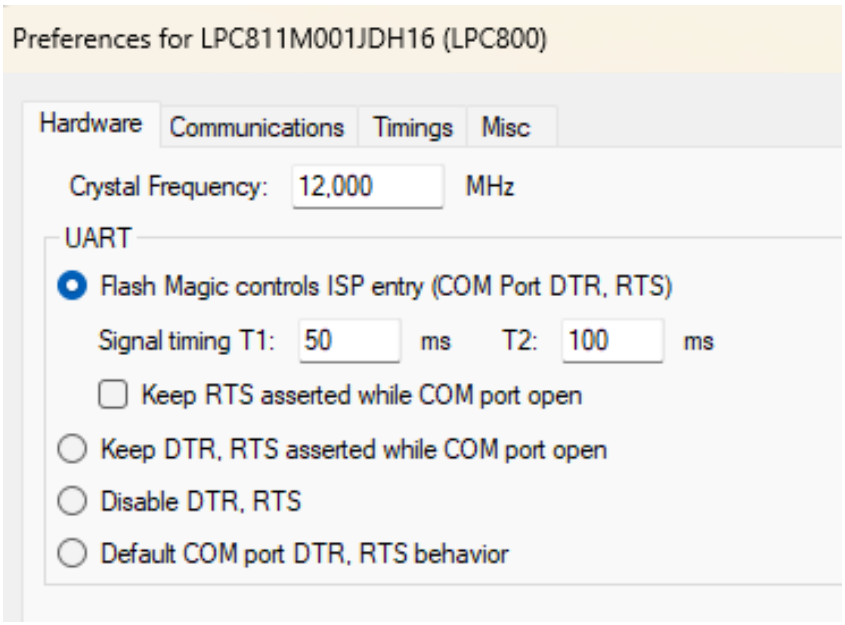
WARNING! it goes into programming mode only when PIO0_12 is in low state, if not, it is in normal mode, if inside you connect PIO0_12 in high state, nothing will happen, but after pressing RESET it will go into programming mode, and vice versa

+3.3V to Pin (12)
GND to Pin(13)
RX(debbuger) to Pin (4)
TX(debbuger) to Pin(16)
GND to Pin(2)

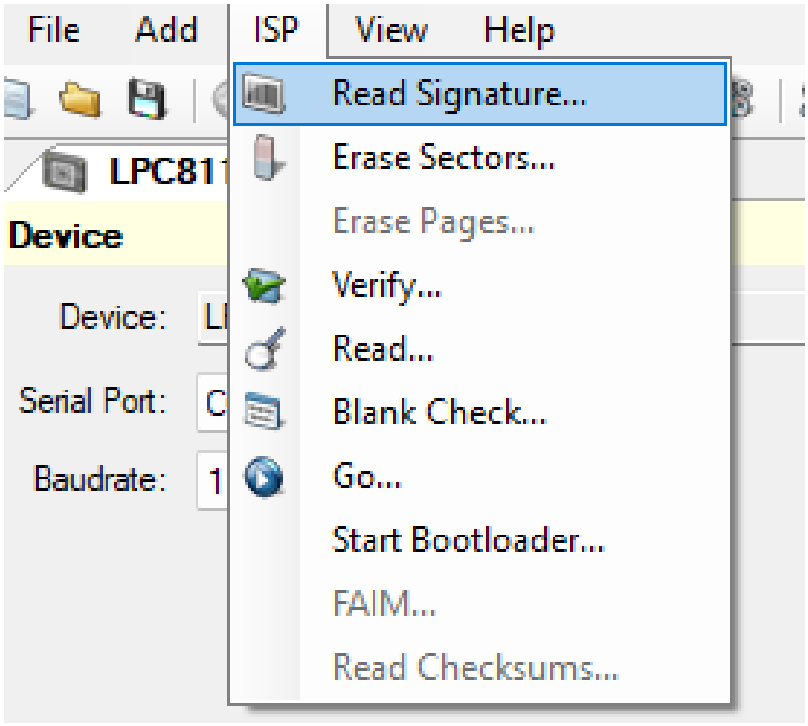
3. Verify MCU

Config:

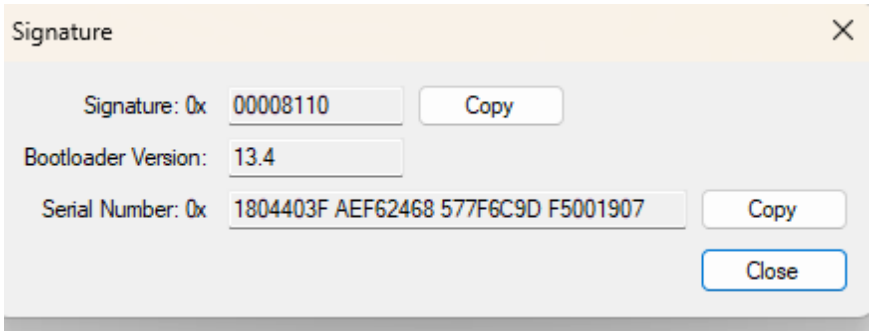




Click Read Signature



Correct:



Error: