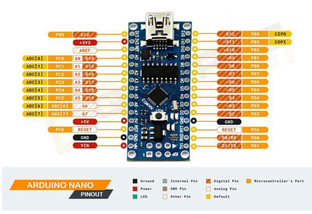
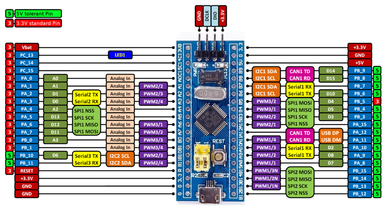
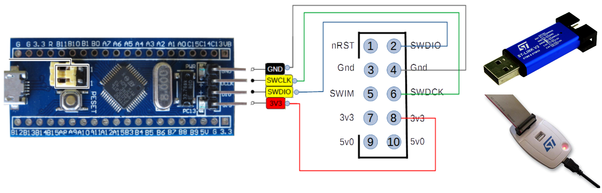
Blue Pill - STM32F103C8T6 Vs. Arduino Uno/Nano/ Atmega328

https://stm32-base.org/boards/STM32F103C8T6-Blue-Pill.html





Architettura	8bit	32bit
I/O Pins	14	37
PWM Pins	6	15
PWM res.	10bit	16bit
Analog In Pins	6	10
ADC resolution	10bit	12bit
Flash Memory	32 kB	64 kB
SRAM	2 kB	20 kB
EEPROM	1 kB	-
Clock speed	16 MHz	72 MHz
Voltage Level	5V	3.3V
Hardware Serial Ports	1	3
SPI Support	1x	2x
I2C Support	1x	2x
CAN Support	No	Yes



Software occorrenti:

1- LDmicro 5.5c: https://github.com/joegil95/LdMicro32/blob/master/LdMicro32-5.5c.zip
copiarlo in una cartella

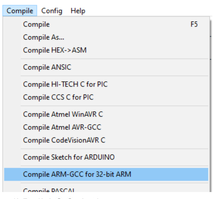
2- STlink: https://www.st.com/en/development-tools/stsw-link004.html#get-software
installarlo

3- Compilatore ARMGCC http://hpvexin.free.fr/script/temp/Compiler-ARMGCC-4.7.4_.zip
copiarlo in una cartella chiamata "Compiler-ARMGCC"

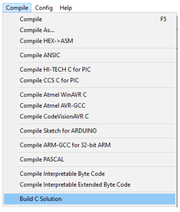
5- editare buildArm.bat riga 36: SET GCC_PATH=c:\TUA_DIR\Compiler-ARMGCC

6- editare flashMcu.bat riga 100:
SET STL_PATH="c:\Program Files (x86)\STMicroelectronics\STM32 ST-LINK Utility\ST-LINK Utility"
(verificare path installazione del tuo ST-LINK)

Creare un programma con LDmicro32 e compilarlo cosi:
le volte successive basterà premere su F5



Poi effettuare il Build C Solution



e per ultimo effettuare l'upload nel dispositivo (F6):