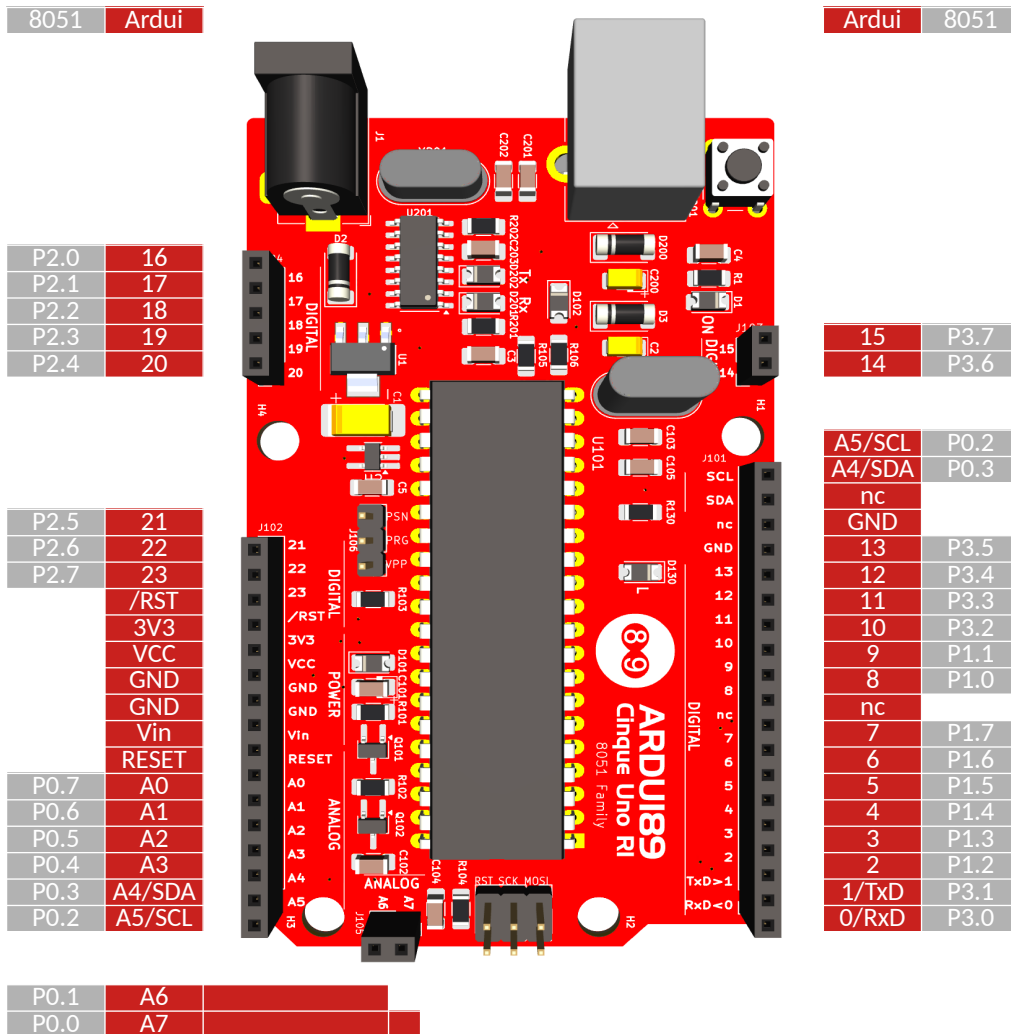


Ardui89 Cinque Uno

8051 Family

Based on 8051/89C5x/STC32G12K128



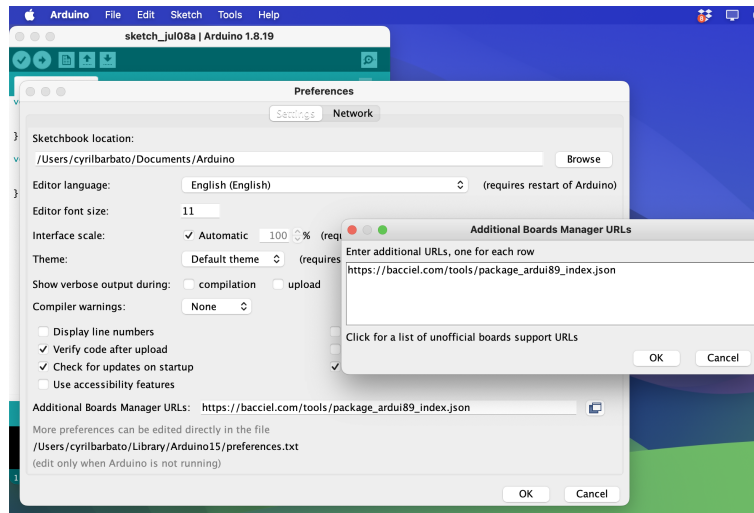
Arduino IDE®

1/ Download Arduino >= V1.8.19

2/ Launch Arduino

3/ In Arduino->Preferences->Additional Board Manager URLs
add

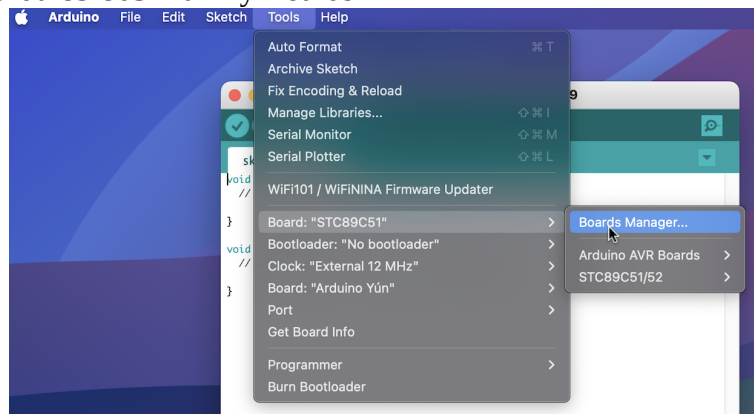
http://bacciel.com/tools/package_ardui89_index.json



4/ In Tools->Boards...->Board Manager

search "8051"

select and install "ardui89 8051 family Boards"



5/ In Tools->Board:...

select "Board : "STC89C51" "STC89C52" "..."

6/ Demos :

Use Blink.ino in basics examples or in Ardui89_demos path :

Hello.ino

Howareyou.ino

and build and upload !

Materials

Id Référence	Empreinte	Quantité	Désignation
1 X201	Crystal_HC49-4H_Vertical	1	12MHz
2 J102	Ardu89_Uno_Analog_Power_Connect or R_1206_3216Metric_Pad1.30x1.75m m_HandSolder	1	Conn_01x16
3 R106,R105	C_1206_POL_3216Metric_Pad1.33x1.80mm_HandSolder	2	
4 C101	80mm_HandSolder	1	10µ
5 H2,H3,H4	MountingHole_4.3mm_M4_DIN965	3	MountingHole
6 J105,J103	PinSocket_1x02_P2.54mm_Vertical	2	Extented Port
7 U101	DIP-40_W15.24mm_LongPads	1	89C5x
8 J106	PinHeader_1x03_P2.54mm_Vertical	1	Conn_01x03
9 D200,D3,D2	D_MELF	3	SM34
1	D_1206_3216Metric_Pad1.42x1.75m m_HandSolder	2	1N5819W
0 D102,D101			
1			
1 U2	TSOT-23-5_HandSoldering	1	LP2985-33DBVR
1			
2 X101	Crystal_HC49-U-3PinB_Vertical	1	11.0592MHz
1			
3 U201	SOIC-16_3.9x9.9mm_P1.27mm	1	CH340G
1			
4 J101	Ardu89_Uno_Digital_Connector	1	Conn_01x19
R1,R202,R10			
1 1,R104,R103,	R_1206_3216Metric_Pad1.30x1.75m m_HandSolder	7	1k
5 R130,R201			
1			
6 Q101,Q102	TSOT-23_HandSoldering	2	MMBTA2907
C104,C203,C			
1 102,C5,C3,C	C_1206_3216Metric_Pad1.33x1.80m m_HandSolder	6	100n
7 4			
1	C_1206_3216Metric_Pad1.33x1.80m m_HandSolder	2	27p
8 C202,C201			
1			
9 C1,C2,C200	C_2512_Pol_Tantale_Training	3	10µ
2			
0 SW101	SW_PUSH_6mm	1	SW_Push
2	D_1206_3216Metric_Pad1.42x1.75m m_HandSolder	1	LED
1 D1			
2			
2 ICSP101	PinHeader_2x03_P2.54mm_Vertical	1	M20-9980346
2			
3 J104	PinSocket_1x05_P2.54mm_Vertical	1	Extended Port
2	D_1206_3216Metric_Pad1.42x1.75m m_HandSolder	1	BUILTIN_LED
4 D130			
2	D_1206_3216Metric_Pad1.42x1.75m m_HandSolder	1	Rx LED
5 D201			

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2	D_1206_3216Metric_Pad1.42x1.75m	
6 D202	m_HandSolder	1 Tx LED
2	C_1206_3216Metric_Pad1.33x1.80m	
7 C105,C103	m_HandSolder	2 22p
2	R_1206_3216Metric_Pad1.30x1.75m	
8 R102	m_HandSolder	1 4k7
2		
9 U1	SOT230P700X180-4N	1 LD1117S50TR
3		
0 H1	MountingHole_4.3mm_M4_DIN965	1 Mounting Hole 4.3mm
3	USB_B_Lumberg_2411_02_Horizonta	
1 J201	l	1 USB_TYPE_B
3		
2 J1	BarrelJack_Horizontal	1 Jack-DC

Examples



The screenshot shows the Arduino IDE interface for the 'Blink' example. The title bar reads 'Blink | Arduino 1.8.19'. The code editor contains the following C++ code:

```
/*
// the setup function runs once when you press reset or power the board
void setup() {
  // initialize digital pin LED_BUILTIN as an output.
  pinMode(LED_BUILTIN, OUTPUT);
}

// the loop function runs over and over again forever
void loop() {
  digitalWrite(LED_BUILTIN, HIGH); // turn the LED on (HIGH is the voltage level)
  delay(1000); // wait for a second
  digitalWrite(LED_BUILTIN, LOW); // turn the LED off by making the voltage LOW
  delay(1000); // wait for a second
}
```

Below the code editor, a teal banner indicates 'Done compiling.' The output window shows the following text:

```
packihx: read 25 lines, wrote 40: OK.
Sketch uses 520 bytes (12%) of program storage space. Maximum is 4096 bytes.
Global variables use 0 bytes (0%) of dynamic memory, leaving 128 bytes for local
```

The status bar at the bottom of the IDE shows '1' on the left and 'STC89C51, No bootloader, External 12 MHz' on the right.