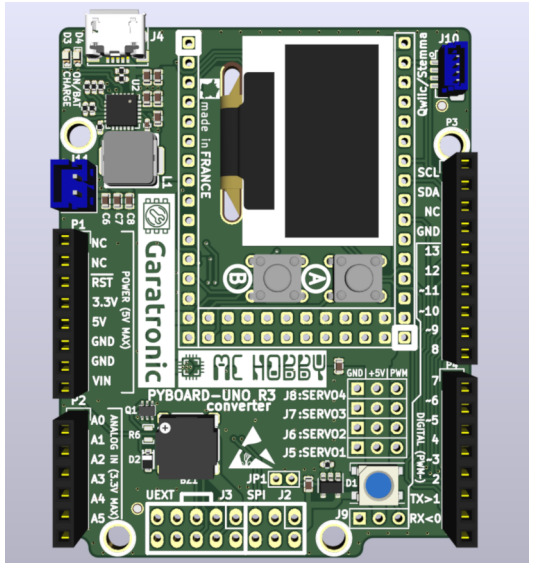

Connecteur PYBV11

J1 — PYBV11X_SOCKET

	X1	Y1	
	X2	Y2	
	X3	Y3	
	X4	Y4	
ADC4	X5	Y5	
ADC5	X6	Y6	
	X7	Y7	
	X8	Y8	
	X9	Y9	
	X10	Y10	
	X11	Y11	
	X12	Y12	
	RST	RST	
	GND	GND	
+3.3V	3V3	3V3	+3.3V
+5V	V+	V+	+5V
	X17	BOOT0	
	X18	P2	
ADC0	X19	P3	
ADC1	X20	P4	
ADC2	X21	P5	
ADC3	X22	VBACK	
	A3V3	V+	
	AGND	GND	
	GND	GND	
	V+	V+	

Connecteur ISP

J2 ISP

Y7	1	2	+5V
Y6	3	4	Y8
RST	5	6	GND

Connecteur UEXT

J3 UEXT

+3.3V	1	2	GND
X9	3	4	X10
Y9	5	6	Y10
Y7	7	8	Y8
Y6	9	10	X8

Connecteur Qwiic, Stemma

J10 RAPIDO

+3.3V	1	GND
	2	
Y10	3	
Y9	4	

Connecteurs SERVO

J5 SERVO1 — X1, GND
J6 SERVO2 — X2, GND
J7 SERVO3 — X3, GND
J8 SERVO4 — X4, GND

Shield for Arduino that uses the same pin disposition like "Uno" board Rev 3.

P5P6P7P8 — Holes

liaison filaire sur PCBN000120

P1 Power: +5V, +3.3V, RST

P2 Analog:

ADC0	X19	1
ADC1	X20	2
ADC2	X21	3
ADC3	X22	4
ADC4	X5	5
ADC5	X6	6

P3 Digital:

Y9	SCL	1
Y10	SDA	2
		3
		4
Y6	13	5
Y7	12	6
Y8	11~	7
X8	10~	8
X10	9~	9
X9	8	10

P4 Digital:

Y5	7	1
X4	6~	2
X3	5~	3
X2	4	4
X1	3~	5
X7	2	6
Y1	1<TX	7
Y2	0>RX	8

GND

Buzzer

+5V — D2 BAS16H — BZ1 Buzzer

R6 33

Q1A PUMH10 — Y11

Q1B PUMH10

GND

Led RVB Neopixel

JP1 Jumper — X8

R1 560K

U1 74AHCT1G125

D1 WS2812B

J9 NEOPIXEL

+5V, GND

Ecran OLED 128x64 / 2 boutons

C12 1u, C18 1u, C16 1u, C19 1u

C13 1u, C14 1u

R4 2.2K, R5 2.2K, R3 390K

C15 4.7u, C17 4.7u

DS1 OLED_SS1306_30PINS

NC C2P C2N C1P C1N VBAT NC VSS VDD BS0 BS1 BS2 CS# RES# D/C# R/W# E/RD# D0 D1 D2 D3 D4 D5 D6 D7 IREF VCOMH VCC NC NC

SW1 — X17 — SW_PUSH

SW2 — BOOT0 — SW_PUSH

Chargeur + Boost 5V

J4 USB_OTG

U2 BQ25895

C9 4.7u

R2 10K, R7 10K

R8 1K, R12 1K

D3 JAUNE, D5 JAUNE, D4 VERT, D6 VERT

R10 0, R11 0

C1 22u, C2 22u, C3 22u, C10 22u, C11 22u

C4 100n, C5 4.7u, L1 2.2uH

C7 22u, C8 22u

C6 22u

NM R9

TH1 10K B=3435

J11 LIPO

www.garatronic.fr en collaboration avec www.mchobby.be			
Sheet: / File: uno.sch			
Title: PYBV11 to ARDUINO UNO R3 converter			PCBN000120
Size: A4	Date: 2019-11-08		Rev: V1.0-
KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu16.04.1			Id: 1/1