Anemomètre

PWR_FLAG
+3.3V
C3
100nF
RS : 264-4422
GND
+12V_P
TP2
Anemo
Gotronic 08000
J4
Conn_01x03
RS 670-0844
U1A
LMV842
Mouser 926-LMV842MA/NOPB
TP4
AN0_Anemo
Gotronic 08000
R9
21K
RS 679-1904
R5
10K
RS 125-1192

Girouette

+12V_P
1 Marron
2 Noir
3 Bleu
4 Vert
RS 679-2525
Conn_01x04
J1
R3
10K
RS 125-1192
TP1
AN1_Gir
Gotronic 08000
R4
10K
RS 125-1192
GND
+3.3V
C8
100nF
RS : 264-4422
IC1
MAX11607EUA+T
AIN0
AIN1
AIN2
AIN3/REF
VDD
GND
SDA
SCL
SDA
SCL
GND
+12V_P
R1
10K
RS 125-1192
R2
10K
RS 125-1192
U1B
LMV842
Mouser 926-LMV842MA/NOPB
GND
+5V
R8
2.2K
RS 125-1192
Vref_3V
TP5
3v_Ref_Conv.
Gotronic 08000
TP3
Ampli-suiveur
Gotronic 08000
U2
LM4040DBZ-3
GND

Batterie

Batterie-12V
TP9
Gotronic 08000
J5
Barrel_Jack_Switch
RS 143-8915
D1
PMEG3010ER
RS 816-6855
+12V
PWR_FLAG
F2
1,1A 2,2A
RS 817-1668
+12V_P
C5
47µF
RS 135-5396
D2
LED_CMS_Jaune
RS 486-0519
R12
2.2k
RS 223-2300
GND

Convertisseur 12V-5V

L1
8,2µH
DNM
PWR_FLAG
U4
TSR_3-1250
+VIN_(VCC)
REMOTE_ON/OFF
+VOUT
TRIM
GND
PWR_FLAG
+5V
C11
220µF
RS 691-1224
C12
150µF
RS 135-5396
DNM
R14
255
Mouser 71-CMF50255R00FHEB
C10
1µF
RS 264-4450

Buzzer 12V

+12V_P
Conn_BZ1
Molex SL 2
RS 679-2516
Buzzer
SV1
Gotronic 05460
RS 792-5675
MGSF2N02ELT1G
Q5
GPIO22
R19
10k
RS 125-1192
GND
GND

Ventilateur

+12V_P
Conn_ventilateur1
HE14 Vert. 2cts
RS 681-1871
Fan
Aliexpress
RS 792-5675
MGSF2N02ELT1G
Q6
GPIO4
R20
10k
RS 125-1192
GND
GND

Couloir 1

+3.3V
R10
10k
RS 125-1192
+12V_P
C1
1µF
RS 264-4450
GND
Q1
2N7002
RS 124-1692
R6
10k
RS 125-1192
GPIO17
PA18CAD10NASA
ou
PA18CAD10NASA
1 +12V_P
2 PNPc1
3 NPNc1
4 GND
RS 679-2525
Conn_01x04
J2
GND

Couloir 2

+3.3V
R11
10k
RS 125-1192
+12V_P
C2
1µF
RS 264-4450
GND
Q2
2N7002
RS 124-1692
R7
10k
RS 125-1192
GPIO27
PA18CAD10NASA
ou
PA18CAD10NASA
1 +12V_P
2 PNPc2
3 NPNc2
4 GND
RS 679-2525
Conn_01x04
J3
GND

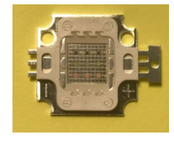
HAT GPIO RPI

+3.3V
TP6
+3.3V
Gotronic 08000
F1
400mA
RS 517-7105
J6
Conn_GPIO_RPI
RS 674-2365
SDA
SCL
GPIO4
GPIO17
GPIO27
GPIO22
GPIO_18
GPIO_23
C4
1µF
RS 264-4450
+5V
TP12
+5V
Gotronic 08000
F3
400mA
RS 517-7105
C7
1µF
RS 264-4450
R13
330
679-2049
D3
LED_Rouge
RS 497-4804
GND
TP10
Gotronic 08000
TP11
Gotronic 08000

RTC

TP7
SDA
Gotronic 08000
TP8
SCL
Gotronic 08000
C6
100nF
RS 264-4422
+3.3V
PWR_FLAG
SCL
SDA
VCC
VBAT
32KHZ
INT/SQW
RST
GND
Pile_Bouton
BT1
Farnell 1704232
U3
DS3231M
Farnell 2515487
GND
PWR_FLAG
GND

LED_RGB_10W



GPIO_18
GPIO_23
Q3
MGSF2N02ELT1G
RS 792-5675
Q4
MGSF2N02ELT1G
RS 792-5675
R15
10k
RS 125-1192
R16
10k
RS 125-1192
R17
18
RS 683-5657
R18
10
RS 720-3221
Conn_LED_RGB1
HE14 Vert. 3cts
RS 531-970
TP15
+12V_P
Gotronic 08000
TP13
LR1
Gotronic 08000
TP14
LV1
Gotronic 08000
+12V_P
GND
LED ARGB
Bangood 1160379

Gallego Simon, Roda Adan

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