PLACA MOTRIZ

VIN

VCC

XIN-1 ○

RZ1
47R 1W

RZ
100 1W

3.3V

XIN-2 ○
Power

ZENER5.1V1
1N226B 1/2W

C1
100nF

ZENER3.3V
1N226B 1/2W

GND

GND

GND

GND

LED1

R16
220

R1
10k

VCC

MEGA8-P

CRISTAL1

CRISTAL2

CRISTAL16MHZ

PC6(/RESET)

22 GND
21 AREF
20 AVCC

PC0(ADC0) 23 CE
PC1(ADC1) 24 CSN
PC2(ADC2) 25 SCK
PC3(ADC3) 26 MOSI
PC4(ADC4/SDA) 27 MISO
PC5(ADC5/SCL) 28

NRFL01

GND   1 2   3.3V
CE   3 4   CSN
SCK   5 6   MOSI
MISO   7 8

CRISTAL2

9 PB6(XTAL1/TOSC1)

CRISTAL1

10 PB7(XTAL2/TOSC2)

C6
22PF

C5
22PF

8 GND

7 VCC

PD0(RXD) 2 I8
PD1(TXD) 3 I7
PD2(INT0) 4 I6
PD3(INT1) 5 I5
PD4(XCK/T0) 6 I4
PD5(T1) 11 I3
PD6(AIN0) 12 I2
PD7(AIN1) 13 I1

ENFERMERIA
1
2

ULN2803

I1 1   I1   O1 18
I2 2   I2   O2 17
I3 3   I3   O3 16
I4 4   I4   O4 15
I5 5   I5   O5 14
I6 6   I6   O6 13
I7 7   I7   O7 12
I8 8   I8   O8 11
9 GND CD+ 10 VIN

M1
1
2
VIN 3
4
5

M2
1
2
VIN 3
4
5

GND

GND

Q1
2N3904

1K R3

GND

PB0(ICP) 14
PB1(OC1A) 15
PB2(SS/OC1B) 16
PB3(MOSI/OC2) 17
PB4(MISO) 18
PB5(SCK) 19

ATMEGA328P

GND

GND

GND

R2
220

LED_RED

PROG
9 7 5 3 1

10 8 6 4 2

R15
220

LED_GREEN

GND

Power

X N

1 2

R1 47R 1W

ZENER 1V1 1N226B 1/2W

RZ 100 1N226B 1/2W

ZENER3.3V

PROG

ZATLOUKAL VILLEGAS DA CRUZ

ENFERMERIA

Q1 2N3904

1K R3

LED_RED

R20 R2

LED_GREEN

R20 R15

LED1

220 R16

100nF C

NRF-L01

CRISTAL 16MHZ

C5 22PF

C6 22PF

ULN2803

M1

M2

MEGA8-P

10+

ATMEGA328P

GND

EEST N°9 2019 PLACA MOTRIZ

Power

XIN

1

2

7R 1W RZ1

ZENER5.1V1
1N226B 1/2W

RZ
100 1W

1N226B 1/2W
ZENER3.3V

PROG

LED_RED

220
R2

1K
R3

Q1
2N3904

ENFERMERIA

LED_GREEN

220
R15

LED1

220
R16

100nF

C

CRISTAL 16MHZ

C5
22PF

C6
22PF

ULN2803

M1

MEGA8-P

R1
10k

M2

NRFL01

ATMEGA328P

PLACA MOTRIZ
EEST N°9 2019

ATMEGA328P
MEGA8-P

DA CRUZ
VILLEGAS
ZATLOUKAL

Power
N
X

R1
7R 1W
ZENER 1V1
1N226B 1/2W

RZ
100
1N226 1/2W
ZENER3.3V

PROG

LED_RED
LED_GREEN
LED1
100nF
C

R20
R2

R20
R15

220
R16

Q1
2N3904

1K
R3

ENFERMERIA

CRISTAL 16MHZ
C5
22PF
C6
22PF

ULN2802

M1

M2

10uF

NRF-L01

GND

Power

XIN

RZ1
7R 1W

ZENER5.1V1
1N226B 1/2W

RZ
100 1W

1N226B 1/2W
ZENER3.3V

PROG

LED_RED

220
R2

Q1
2N3904

R3
1K

ENFERMERIA

LED_GREEN

220
R15

LED1

220
R16

100nF
C

NRFL01

MEGA8-P

CRISTAL 16MHZ

C5
22PF

C6
22PF

R1
10k

ULN2803

M1

M2

ATMEGA328P