U1

+5V

Pin	Label		Label	Pin	Net
d0	2	PD0/RXD/PCINT16	PB0/ICP1/CLKO/PCINT0	14	d8
d1	3	PD1/TXD/PCINT17	PB1/OC1A/PCINT1	15	d9
d2	4	PD2/INT0/PCINT18	PB2/SS/OC1B/PCINT2	16	d10
d3	5	PD3/INT1/OC2B/PCINT19	PB3/MOSI/OC2A/PCINT3	17	d11
d4	6	PD4/T0/XCK/PCINT20	PB4/MISO/PCINT4	18	d12
d5	11	PD5/T1/OC0B/PCINT21	PB5/SCK/PCINT5	19	d13
d6	12	PD6/AIN0/OC0A/PCINT22	PB6/TOSC1/XTAL1/PCINT6	9	
d7	13	PD7/AIN1/PCINT23	PB7/TOSC2/XTAL2/PCINT7	10	
	21	AREF	PC0/ADC0/PCINT8	23	a0
	20	AVCC	PC1/ADC1/PCINT9	24	a1
			PC2/ADC2/PCINT10	25	a2
			PC3/ADC3/PCINT11	26	a3
			PC4/ADC4/SDA/PCINT12	27	a4
			PC5/ADC5/SCL/PCINT13	28	a5
			PC6/RESET/PCINT14	1	

ATMEGA328P
16MHz
PROCESSADOR

ARDUINO PRO MINI ATMEGA328

UNO, NANO, DUEMILANOVE

---

d8 — rs

d7 — en

d5 — DB4
d4 — DB5
d6 — DB6
d2 — DB7
DB[4..7]

LCD1

LM016L
LCD 16x2

VSS VDD VEE RS RW E D0 D1 D2 D3 D4 D5 D6 D7

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

rs en DB4 DB5 DB6 DB7 DB[4..7]

A

K

RV1
10k
Trimpot

MO1

Net	Pin	Label
d10	1	SDA
d13	2	SCK
d11	3	MOSI
d12	4	MISO
	5	IRQ
	6	GND
d9	7	RST
ARDUINO 3V3	8	3.3V

RFID-RC522

---

a0

SENSOR_PORTA

Vbuzzer

BUZ1

BUZZER

R3
1k

Q1
BC547

a2

---

a1

Fechadura Elétrica, Solenóide, etc + Etapa de Potência