

Arduino Mega 2560 www.TheEngineeringProjects.com

ATMEGA2560
16AU 1126

Reset BTN

ANALOG IN

DIGITAL

CAX1X1 A0
MOEDA A1
PRESA A2
SOLTA A3
UP A7
DOWN A8
SEL A5
BACK A4
D4
D5
D6
D7
RS
RW
A13
A14
A15

PK0/ADC8/PCINT16
PK1/ADC9/PCINT17
PK2/ADC10/PCINT18
PK3/ADC11/PCINT19
PK4/ADC12/PCINT20
PK5/ADC13/PCINT21
PK6/ADC14/PCINT22
PK7/ADC15/PCINT23

RESET
VCC
GND

5V
C7
3300U

AREF
PB7/OC0A/OC1C/PCINT7
PB6/OC1B/PCINT6
PB5/OC1A/PCINT5
PB4/OC2A/PCINT4
PH6/OC2B
PH5/OC4C
PH4/OC4B
PH3/OC4A
PE3/OC3A/IN1
PG5/OC0B
PE5/OC3C/INT5
PE4/OC3B/INT4
TX0 PE1/TXD0/PDO
RX0 PE0/RXD0/PCINT8
TX3 PJ1/TXD3/PCINT10
RX3 PJ0/RXD3/PCINT9
TX2 PH1/TXD2
RX2 PH0/RXD2
TX1 PD3/TXD1/INT3
RX1 PD2/RXD1/INT2
SDA PD1/SDA/INT1
SCL PD0/SCL/INT0

PWM

COMMUNICATION

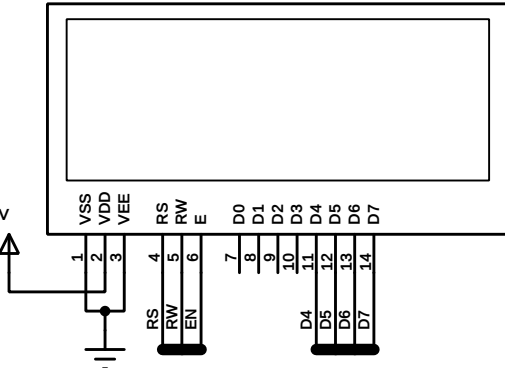
ARD1

PA0/AD0 22
PA1/AD1 23
PA2/AD2 24
PA3/AD3 25
PA4/AD4 26
PA5/AD5 27
PA6/AD6 28
PA7/AD7 29
PC7/A15 30
PC6/A14 31
PC5/A13 32
PC4/A12 33
PC3/A11 34
PC2/A10 35
PC1/A9 36
PC0/A8 37
PD7/T0 38
PD7/T1 39
PG2/ALE 40
PG1/RD 41
PG0/WR 42
PL7 43
PL6 44
PL5/OC5C 45
PL4/OC5B 46
PL3/OC5A 47
PL2/T5 48
PL1/ICP5 49
PL0/ICP4 50
PB3/MISO/PCINT3 51
PB2/MOSI/PCINT2 52
PB1/SCK/PCINT1 53
PB0/SCL/PCINT0 54

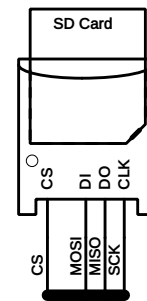
ARDUINO MEGA 2560

LCD1
LM044L

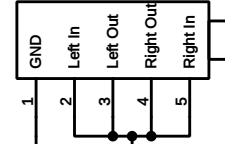
5V



SD1
SD



CN2
P2 JACK



PHONE_OUT

AUDIO_OUT

LS1

SPEAKER

FILE NAME: berimbau.pdsprj	DATE: 20/12/2018
DESIGN TITLE: Berimbau	PAGE: 1 of 2
PATH: E:\berimbau.pdsprj	TIME: 13:13:40
BY: Angelo Elias Dalzotto	REV: 1