CARNATE SHIELD ARDUINO UNO

70 mm.

56mm.

DIGITAL (PWM*)

0RX
1TX
2
3*
4
5*
6*
7
8
9*
10*
11*
12
13
GND
AREF

PIN 0 IS SERIAL RX PORT
PIN 1 IS SERIAL TX PORT
PIN 3,5,6,9,10,11 ARE PWM IN
(PULSE WITH MODULATION)
PIN 2,4,7,8,12,13 CAN BE CONF.
IN DIGITAL IN/OUT MODE.

A5
A4
A3
A2
A1
A0

ANALOG IN

A0 TO A5 ARE ANALOG
IN (VALUE 0 TO 255)

V In
GND
GND
5V
3,3V
RESET

POWER

Vin= POWER SUPPLY
7-12 VCC
5V AND 3,3V ARE OUTPUTS
POWER.
RESET TO GROUND IS
RESET THE SYSTEM.

C1   C2

GND

12VCC

POWER

EXTERNAL POWER
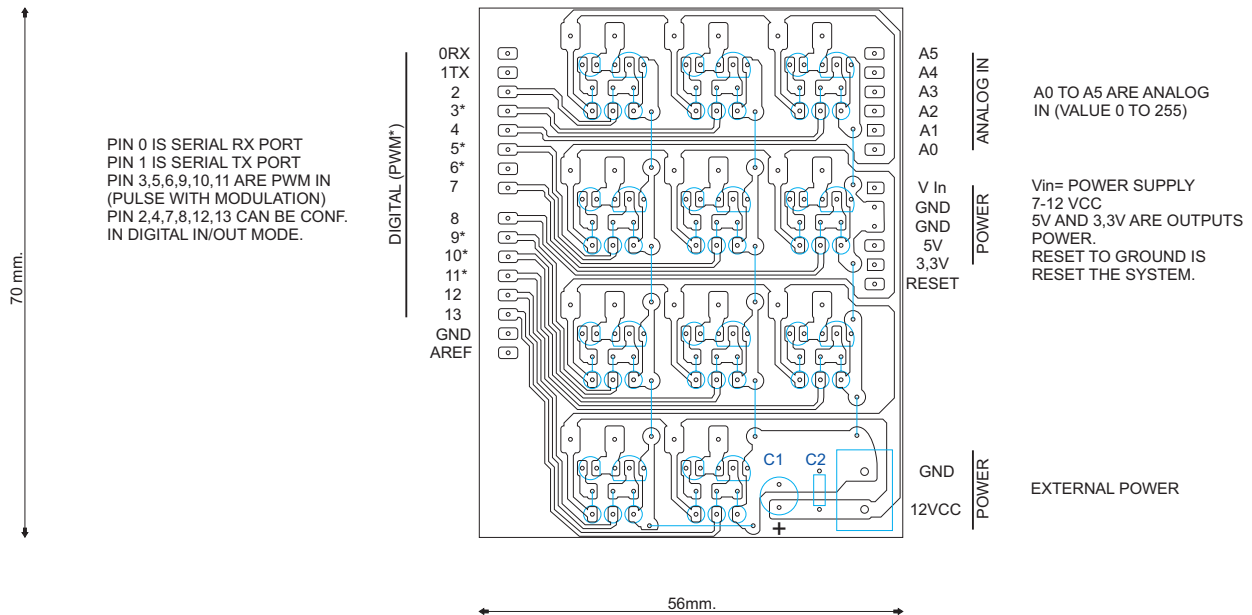
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LED DRIVER

R1=1000 OHM 1/4 WATT 5%
R2=4700 OHM 1/4 WATT 5%
R3=10000 OHM 1/4 WATT 5%
C1=100 microF 25 V elettrolitico
C2=100 nanoF multistrato
LED1= DIODO LED 3mm. rosso
T1= NPN BC547

ANODO LED +12V
CATODO LED

LED1

A
K
C
B
E

T1

R1

R2   R3

GND

IN