"Learning"

A1

GND DCLK DIO 3.3 V

PWR   PC13

32768

8.000

STM32F103C8T6

RAM 20K
FLASH 64K
72MHz

Normal Bootloader   Normal Debug
RESET

microUSB

L1 3VB
L2 C13
L3 C14
L4 C15
L5 A0
L6 A1
L7 A2
L8 A3
L9 A4
L10 A5
L11 A6
L12 A7
L13 B0
L14 B1
L15 B10
L16 B11
L17 R
L18 +3.3V
L19 GND
L20 GND

+3.3V R1
GND   R2
+5V   R3
B9   R4
B8   R5
B7   R6
B6   R7
B5   R8
B4   R9
B3   R10
A15   R11
A12   R12
A11   R13
A10   R14
A9   R15
A8   R16
B15   R17
B14   R18
B13   R19
B12   R20

GND

SRD-05VDC1

GND
IN
Vcc

+5B

NC 6
COM 5
NO 4

SRD-05VDC

DS18B1

DS18B20

GND   DQ   Vdd

GND   DS18B20   +5B

HS1

1 D1
2 A
3 F
4 D2
5 D3
6 B

0000

HS42056

1 E
2 D
3 dec
4 C
5 G
6 D4