STM32 Controller
72MHz ARM Cortex-M3

U?
STM32F103C8T6

Fan Driver Circuit
PWM @ 8kHz

Temperature Sensor
(Software Simulated)

+5V

PA0-ADC    10

PA6-PWM    16

PA9-TX     30
PA10-RX    31

U?
LM35

M?
DC_Fan

R?
1k

Q?
2N2222

D?
1N4007

GND

VCC

OUT

GND

VSS

PA0: ADC Input (Temperature)
PA6: PWM Output (TIM3_CH1)
PA9/PA10: UART Debug @ 115200