大棚环境监测系统

STM32f103c8直插
BEEP	1	B12	GND	21	DGND
Fan	2	B13	GND	22
Water_pump	3	B14	3.3V	23	3.3
	4	B15	R	24
KEY1	5	A8	LCD_SCL	25
USART1_TX	6	A9	LCD_SDA	26
USART1_RX	7	A10	LED	27
DHT11_DATA	8	A11	B1	28
KEY2	9	A12	B0	29
	10	A15	LCD_RES	29

STM32f103c8

DHT11 温湿度
VCC / DATA / GND — 5V / DHT11_DATA / DGND

土壤湿度 Text
GND / VCC / AOUT — DGND / 5V / ADC1

BH1750 光照模块
5V / GND / SCL / SDA / ADDR — 5V / DGND / BH1750_SCL / BH1750_SDA

CCS811 二氧化碳 AT指令通讯
VCC / GND / SCL / SDA / WAK / INT / RST / ADD — 3.3 / DGND / CCS_SCL / CCS_SDA / CCS_AWCK

ST7735 LCD屏幕
GND / 3.3V / SCL / SDA / RES / DC / CS / BL — DGND / 3.3 / LCD_SCL / LCS_SDA / LCD_RES / LCD_DC / LCD_CS / LCD_BL

ESP8266 wifi模块
TX / GND / EN / IO2 / RST / IO0 / 3.3V / RX — ESP_RX / DGND / ESP_RST / 3.3_1 / ESP_TX

AMS1117
Vin / GND / Vout
C1 CAP 100uf / C2 CAP 10uf / C3 CAP 100uf / C4 CAP 10uf
5V / 3.3_1

R7 RES 0K / R8 RES 0K
DGND AGND

JP? DC-005 / JP? DC-005
5V AGND / 5V_1 AGND

KEY1 DGND / KEY2 DGND / KEY3 DGND / KEY4 DGND
SW?

LED灯 LED
VCC / GND — 5V
R1 RES 1K / C5 CAP 10K / R2 RES / Q1 NPN / AGND

风扇 JK1
VCC / GND — 5V / NET_3
SRD-S-105D / D2 DIODE VARACTOR
Fan R3 RES 1K / C6 CAP / R4 RES 10K / Q2 NPN / AGND

水泵 JK2
VCC / GND — pump / NET_4
SRD-S-105D / D3 DIODE TUNNEL
Water_pump R5 RES 1K / C7 CAP / R6 RES 10K / Q3 NPN / AGND

水泵 JK?
VCC / GND — 5V_1 / NET_4
SRD-S-105D
pump R? RES 1K / R? RES 10K / Q? NPN / AGND

BEEP
5V / D1 DIODE VARACTOR / Q4 NPN
R9 RES 1K / C8 CAP / R10 RES 10K / AGND

Board Stack Report