USB-C Connector
Power Delivery

+5V

PWR_FLAG

J1
USB_C_Receptacle_USB2.0

VBUS — A4
CC1 — A5
CC2 — B5
D− — A7
D− — B7
D+ — A6
D+ — B6
SBU1 — A8
SBU2 — B8
SHIELD — S1
GND — A1

PWR_FLAG

Linear Regulator 3.3V

+5V   +3.3V

U1
SSP1117-3.3V

VI 3 — VO 2
GND 1

C1 10µF
C2 10µF

DS18B20 Sensor
+ pin socket

+3.3V

U2
DS18B20

GND 1 VDD 3 DQ 2 — OneWire Bus

GND

J2

3
2 — OneWire Bus
1

Conn_01x03_Female

+3.3V

ESP-01s

+3.3V

R1
4.7k

OneWire Bus

U3
ESP-01v090

VCC 7
RST 5
CH_PD 3
UTXD 1

URXD 8
GPIO0 6
GPIO2 4
GND 2

GND