+12V
+5V

IC1
V_REG_LD1085D2

+3V3

X1-1
X1-2
X1-3
X1-4

-12V

IN   OUT
      OUT
ADJ

+ C1
10u

+ C2
10u

GND   GND   GND   GND

U$1

GND

+3V3

GND

1	GND1
2	GPIO11
3	I2S_CLK/GPIO3
4	I2S_WS/GPIO2
5	GPIO17
6	GPIO16
7	GPIO15
8	UART_RX1/GPIO46
9	UART_TX1/GPIO45
10	SPI_MISO/GPIO9
11	SPI_MOSI/GPIO8
12	SPI_CLK/GPIO7
13	SPI_CS1/GPIO6
14	I2S_SD0/GPIO1
15	I2S_SDI/GPIO0
16	RST

OWI_1/2.2C
OWI_2/2.2C
OWII_1/2.3B
OWII_2/2.3B
TACH_FAN/2.2A
SFAN/2.2D
WSW/2.1D
FOGGER/2.4A
SPI_MISO
SPI_MOSI
SPI_CLK
SPI_CS1
LAMP/2.4C
PTC_HEAT/2.2B

GND2	32
3V3_IN	31
USB_D+	30
USB_D-	29
UART_RX0/GPIO13	28
UART_TX0/GPIO12	27
SW_RST/GPIO38	26
3V3_OUT	25
ETH_TX-	24
ETH_TX+	23
ETH_RX-	22
ETH_RX+	21
PWM0/GPIO18	20
PWM1/GPIO19	19
I2C_SCL/GPIO4	18
I2C_SDA/GPIO5	17

PWM_FAN/2.2A
INT_ENC
SDA/2.1C
SCL/2.1C

OMEGA2+

LCD1602 I2C
+5V

4
3
2
1

SDA/2.1C
SCL/2.1C

JP1

GND

+3V3

JP10

1
2
3
4
5
6

SPI_MISO
SPI_MOSI
SPI_CLK
SPI_CS1

SPI

GND

I2C Encoder
+3V3

5
4
3
2
1

SDA/2.1C
SCL/2.1C
INT_ENC

JP2

GND

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