U1
ESP32-WROVER-B_(16MB)

Pin	Left signal
EN 3	EN
RX 34	RXD0/GPIO3/U0RXD/CLK_OUT2
TX 35	TXD0/GPIO1/U0TXD/CLK_OUT3/EMAC_RXD2
20	SCK/CLK*/GPIO6/SD_CLK/SPICLK/HS1_CLK/U1CTS
21	SD0/SD0*/GPIO7/SD_DATA0/SPIQ/HS1_DATA0/U2RTS
22	SDI/SD1*/GPIO8/SD_DATA1/SPID/HS1_DATA1/U2CTS
17	SHD/SD2*/GPIO9/SD_DATA2/SPIHD/HS1_DATA2/U1RXD
18	SWP/SD3*/GPIO10/SD_DATA3/SPIWP/HS1_DATA3/U1TXD
19	SCS/CMD*/GPIO11/SD_CMD/SPICS0/HS1_CMD/U1RTS
IO0 25	IO0/GPIO0/ADC2_CH1/TOUCH1/RTC_GPIO11/CLK_OUT1/EMAC_TX_CLK
IO2 24	IO2/GPIO2/ADC2_CH2/TOUCH2/RTC_GPIO12/HSPIWP/HS2_DATA0/SD_DATA0
IO4 26	IO4/GPIO4/ADC2_CH0/TOUCH0/RTC_GPIO10/HSPIHD/HS2_DATA1/SD_DATA1/EMAC_TX_ER
IO5 29	IO5/GPIO5/VSPICS0/HS1_DATA6/EMAC_RX_CLK
IO12 14	IO12/GPIO12/ADC2_CH5/TOUCH5/RTC_GPIO15/HSPIQ/HS2_DATA2/SD_DATA2/EMAC_TXD3
IO13 16	IO13/GPIO13/ADC2_CH4/TOUCH4/RTC_GPIO14/MTCK/HSPID/HS2_DATA3/SD_DATA3/EMAC_RX_ER

Right signal	Pin	Net
3V3	2	3V3
SENSOR_VN/GPIO39/ADC1_CH3/RTC_GPIO3	5	SENSOR_VN
SENSOR_VP/GPIO36/ADC1_CH0/RTC_GPIO0	4	SENSOR_VP
IO35/GPIO35/ADC1_CH7/RTC_GPIO5	7	IO35
IO34/GPIO34/ADC1_CH6/RTC_GPIO4	6	IO34
IO33/GPIO33/XTAL_32K_N/ADC1_CH5/TOUCH8/RTC_GPIO8	9	IO33
IO32/GPIO32/XTAL_32K_P/ADC1_CH4/TOUCH9/RTC_GPIO9	8	IO32
IO27/GPIO27/ADC2_CH7/TOUCH7/RTC_GPIO17/EMAC_RX_DV	12	IO27
IO26/DAC_2/ADC2_CH9/RTC_GPIO7/EMAC_RXD1	11	IO26
IO25/GPIO25/DAC_1/ADC2_CH8/RTC_GPIO6/EMAC_RXD0	10	IO25
IO23/GPIO23/VSPID/HS1_STROBE	37	IO23
IO22/GPIO22/VSPIWP/U0RTS/EMAC_TXD1	36	IO22
IO21/GPIO21/VSPIHD/EMAC_TX_EN	33	IO21
IO19/GPIO19/VSPIQ/U0CTS/EMAC_TXD0	31	IO19
IO18/GPIO18/VSPICLK/HS1_DATA7	30	IO18
IO15/GPIO15/ADC2_CH3/TOUCH3/MTDO/HSPICS0/RTC_GPIO13/HS2_CMD/SD_CMD/EMAC_RXD3	23	IO15
IO14/GPIO14/ADC2_CH6/TOUCH6/RTC_GPIO16/MTMS/HSPICLK/HS2_CLK/SD_CLK/EMAC_TXD2	13	IO14
EP	39	GND
GND	1/38	

PWR_FLAG

J1
Conn_01x16_Female
PWR_FLAG

Pin	Signal
1	GND
2	3V3
3	EN
4	SENSOR_VP
5	SENSOR_VN
6	IO34
7	IO35
8	IO32
9	IO33
10	IO25
11	IO26
12	IO27
13	IO14
14	IO12
15	GND
16	IO13

PWR_FLAG
GND

J2
Conn_01x16_Female

Signal	Pin
GND	1
IO23	2
IO22	3
TX	4
RX	5
IO21	6
GND	7
IO19	8
IO18	9
IO5	10
GND	11
GND	12
IO4	13
IO0	14
IO2	15
IO15	16