ESP32-GATEWAY GPIOs Rev.A to Rev.E

Power supply can be taken from USB connector or +5V_EXT, when +5V_EXT is powered USB connector will be automatically disconnected

+3.3V - output and can provide up to 1A for external circuit (if the +5V_EXT or USB power supply can provide it)
ESP_EN - reset
GPIO5, GPIO17 can be used only if Ethernet functionality is not used
GPIO6, GPIO7, GPIO8, GPIO9, GPIO10, GPIO11 are used for the internal module Flash
GPIO33 - status LED
GPIO34 - user button
GPIO16, GPIO32, GPI35, GPI36, GPI39 - free to use

				+3.3V
				GND
				ESP_EN
			PHY-PWR	GPIO5
SD_CLK	SPICLK	U1CTS	HS1_CLK	GPIO6
SD_DATA0	SPIQ	U2RTS	HS1_DATA0	GPIO7
SD_DATA1	SPID	U2CTS	HS1_DATA1	GPIO8
SD_DATA2	SPIHD	U1RXD	HS1_DATA2	GPIO9
SD_DATA3	SPIWP	U1TXD	HS1_DATA3	GPIO10
SD_CMD	SPICS0	U1RTS	HS1_CMD	GPIO11
	EMAC_CLK_OUT	U2RXD	HS1_DATA4	GPIO16
	EMAC_CLK_OUT_180	U2TXD	HS1_DATA5	GPIO17
XTAL_32_P	TOUCH9	RTC_GPIO9	ADC1_CH4	GPIO32
XTAL_32_N	TOUCH8	RTC_GPIO8	ADC1_CH5	GPIO33
		RTC_GPIO4	ADC1_CH6	GPI34
		RTC_GPIO5	ADC1_CH7	GPI35
SENSOR_VP	ADC_H	RTC_GPIO0	ADC1_CH0	GPI36
SENSOR_VN	ADC_H	RTC_GPIO3	ADC1_CH3	GPI39
				GND
				+5V_EXT