ESP32-GATEWAY GPIOs Rev.F and up

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

GPIO2, GPIO14, GPIO15 are used for SD card, they are free to use SD is not used

GPIO33 - status LED

GPIO34 - user button

GPIO4, GPIO12, GPIO13, GPIO32, GPI35, GPI36, GPI39 - free to use

								Pin
								+3.3V
								GND
								ESP_EN
							PHY-PWR	GPIO5
		SD_DATA0	HS2_DATA0	HSPIWP	TOUCH2	RTC_GPIO12	ADC2_CH2	GPIO2
	EMAC_TX_ER	SD_DATA1	HS2_DATA1	HSPIHD	TOUCH0	RTC_GPIO10	ADC2_CH0	GPIO4
EMAC_TXD3	MTDI	SD_DATA2	HS2_DATA2	HSPIQ	TOUCH5	RTC_GPIO15	ADC2_CH5	GPIO12
EMAC_RX_ER	MTCK	SD_DATA3	HS2_DATA3	HSPID	TOUCH4	RTC_GPIO14	ADC2_CH4	GPIO13
EMAC_TXD2	MTMS	SD_CLK	HS2_CLK	HSPICLK	TOUCH6	RTC_GPIO16	ADC2_CH6	GPIO14
EMAC_RXD3	MTDO	SD_CMD	HS2_CMD	HSPICS0	TOUCH3	RTC_GPIO13	ADC2_CH3	GPIO15
			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