WROOM32

PINOUT

04 AUG 2016
ver 1 rev 0

Legend:

Color	Type
Red	Power
Black	GND
Light Blue	Serial Pin
Green	Analog Pin
Yellow	Control
Dark Gray	Physical Pin
Tan	Port Pin
Pink	Touch Pin
Orange	DAC Pin
∿	PWM Pin

ANT1

Left side

					Pin
				GND	
				3.3V	
			ChipPU	9	
ADC PA	RTCIO0	ADC1_0	SensVP	GPIO36	5
ADC PA	RTCIO3	ADC1_3	SensVN	GPIO39	8
	RTCIO4	ADC1_6	VDET1	GPIO34	10
	RTCIO5	ADC1_7	VDET2	GPIO35	11
XTAL32	Touch9	RTCIO9	ADC1_4	GPIO32	12
XTAL32	Touch8	RTCIO8	ADC1_5	GPIO33	13
DAC_1	RTCIO6	ADC2_8	EMAC RXD0	GPIO25	14
DAC_2	RTCIO7	ADC2_9	EMAC RXD1	GPIO26	15
Touch7	RTCIO17	ADC2_7	EMAC RXDV	GPIO27	16

HS2CLK	SDCLK	HSPICLK	MTMS	Touch6	RTCIO16	ADC2_6	EMAC TXD2	GPIO14	17
HS2DATA2	SDDATA2	HSPIQ	MTDI	Touch5	RTCIO15	ADC2_5	EMAC TXD3	GPIO12	18

Right side

Pin				
GND				
36	GPIO23		VSPIID	HS1STROBE
39	GPIO22	EMAC TXD1	U0RTS	VSPIWP
41	GPIO1	EMAC RXD2	U0TXD	CLKOUT3
40	GPIO3		U0RXD	CLKOUT2
42	GPIO21	EMAC TXEN		VSPIHD
NC				
38	GPIO19	EMAC TXD0	U0CTS	VSPIQ
35	GPIO18		VSPICLK	HS1DATA7
34	GPIO5	EMAC RXCLK	VSPICS0	HS1DATA6
27	GPIO17	EMAC CO180	U2TXD	HS1DATA5
25	GPIO16	EMAC CLKOUT	U2RXD	HS1DATA4

PROGRAM Port

24	GPIO4	EMAC TXER	ADC2_0	RTCIO10	Touch0	HSPIHD	SDDATA1	HS2DATA1
23	GPIO0	EMAC TXCLK	ADC2_1	RTCIO11	Touch1	CLKOUT1		

Bottom

GND

HS2DATA3	SDDATA3	HSPIID	MTCK	Touch4	RTCIO14	ADC2_4	EMAC RXER	GPIO13	20
SDDATA2	HS1DATA2	U1RXD	SPIHD					GPIO9	28
SDDATA3	HS1DATA3	U1TXD	SPIWP					GPIO10	29
SDCMD	HS1CMD	U1RTS	SPICS0					GPIO11	30

22	GPIO2	HSPIWP	ADC2_2	RTCIO12	Touch2			
21	GPIO15	EMAC RXD3	ADC2_3	RTCIO13	Touch3	MTD0	HSPICS0	SDCMD	HS2CMD
33	GPIO8	SPID	U2CTS	HS1DATA1	SDDATA1			
32	GPIO7	SPIQ	U2RTS	HS1DATA0	SDDATA0			
31	GPIO6	SPICLK	U1CTS	HS1CLK	SDCLK			