

Pin	GP	Function	Boot State	In	Out	Hi Z	PU	PWM	Usage	IBEM Net	Comments
12	0	GPIO0, ADC1_CH0, XTAL_32K_P		Yes	Yes	Yes		Yes	OSC	XTAL	XTAL 32.768KHz Optional 12p.
13	1	GPIO1, ADC1_CH1, XTAL_32K_N		Yes	Yes	Yes		Yes	OSC	XTAL	XTAL 32.768KHz Optional 12p.
5	2	GPIO2, ADC1_CH2, FSPIQ	High	Yes	Yes	Yes	Yes	Yes	PU	GP2	Strapping Pin. Floating
6	3	GPIO3, ADC1_CH3		Yes	Yes	Yes		Yes	In	ALRT	From AD1115
18	4	GPIO4, ADC1_CH4, FSPIHD, MTMS		Yes	Yes	Yes		Yes	Data	SDA	I2C SDA. SPI SCK TMS
19	5	GPIO5, ADC2_CH0, FSPIWP, MTDI		Yes	Yes	Yes		Yes	Data	SCL	I2C SDA. SPI MISO TDI
20	6	GPIO6, FSPICLK, MTCK		Yes	Yes	Yes		Yes	In	VZCR2	SPI MOSI TCK. From CC6921
21	7	GPIO7, FSPID, MTDO		Yes	Yes	Yes		Yes	In	VZCR1	SPI SS TDO. From CC6921
22	8	GPIO8	High	Yes	Yes	Yes	Yes	Yes	PU	GP8	I2C SDA. Strapping Pin. Floating.
23	9	GPIO9	High	Yes	Yes	Yes	Yes	Yes	In	User Button PGM	I2C SCL. Strapping Pin. Internal weak pull-up. Boot LOW. BOOT
16	10	GPIO10, FSPICSO		Yes	Yes	Yes		Yes	Out	User LED Red	RGB LED
26	18	GPIO18, USB_D		Yes	Yes	Yes		Yes	Out	User LED Green	Default connected USBSerial/JTAGController. RGB LED
27	19	GPIO19, USB_D+		Yes	Yes	Yes		Yes	Out	User LED Blue	Default connected USBSerial/JTAGController. RGB LED
8	EN	Enable	High	P	X	X			PRG	Enable. Reset Button	High: on, enables the chip.
30	RXD0	GPIO20, U0RXD		D/I					Data	TTL_RXD	UART
31	TXD0	GPIO21, U0TXD		D					Data	TTL_TXD	USB_TXD LED. UART
3		VCC		X	X	X			X	VCC	VCC 3V3
4		N/C		X	X	X			X	N/C	No Connection
7		N/C		X	X	X			X	N/C	No Connection
9		N/C		X	X	X			X	N/C	No Connection
10		N/C		X	X	X			X	N/C	No Connection
15		N/C		X	X	X			X	N/C	No Connection
17		N/C		X	X	X			X	N/C	No Connection
24		N/C		X	X	X			X	N/C	No Connection
25		N/C		X	X	X			X	N/C	No Connection
28		N/C		X	X	X			X	N/C	No Connection
29		N/C		X	X	X			X	N/C	No Connection
32		N/C		X	X	X			X	N/C	No Connection
33		N/C		X	X	X			X	N/C	No Connection
34		N/C		X	X	X			X	N/C	No Connection
35		N/C		X	X	X			X	N/C	No Connection
1		GND		X	X	X			X	GND	
2		GND		X	X	X			X	GND	
11		GND		X	X	X			X	GND	
14		GND		X	X	X			X	GND	
36		GND		X	X	X			X	GND	
37		GND		X	X	X			X	GND	
38		GND		X	X	X			X	GND	

39		GND		X	X	X			X	GND	
40		GND		X	X	X			X	GND	
41		GND		X	X	X			X	GND	
42		GND		X	X	X			X	GND	
43		GND		X	X	X			X	GND	
44		GND		X	X	X			X	GND	
45		GND		X	X	X			X	GND	
46		GND		X	X	X			X	GND	
47		GND		X	X	X			X	GND	
48		GND		X	X	X			X	GND	
49		GND		X	X	X			X	GND	
50		GND		X	X	X			X	GND	
51		GND		X	X	X			X	GND	
52		GND		X	X	X			X	GND	
53		GND		X	X	X			X	GND	