DitroniX | AQIX and CWX3 ESP32-C3 Pin and GPIO Mapping

Pin	GP	Function *ESP32-C3-MINI-1x-N4*	Boot State	In	Out	Data	PU	PWM	Usage	AQIX/CWX3 Net	Comments
12	**0**	GPIO0, ADC1_CH0, XTAL_32K_P	-	-	-	-	-	-	**OSC**	XTAL	XTAL 32.768KHz *Fitted* 12p.
13	**1**	GPIO1, ADC1_CH1, XTAL_32K_N	-	-	-	-	-	-	**OSC**	XTAL	XTAL 32.768KHz *Fitted* 12p.
5	**2**	GPIO2, ADC1_CH2, FSPIQ	**High**	**Yes**	-	-	**Yes**	-	**PU**	GP2	Strapping Pin. Floating. Pulled High. *Unused*.
6	**3**	GPIO3, ADC1_CH3	-	**Yes**	-	-	-	-	**In**	VBAT	Battery Sensor
18	**4**	GPIO4, ADC1_CH4, FSPIHD, MTMS	-	**Yes**	-	-	-	-	**In**	LIGHT	Light Sensor
19	**5**	GPIO5, ADC2_CH0, FSPIWP, MTDI	-	-	**Yes**	**Yes**	**Yes**	-	**Data**	SCL	I2C SCL
20	**6**	GPIO6, FSPICLK, MTCK	-	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**In**	DOW	Dallas OneWire Sensor(s) *Optional Use*. Could be a GPIO Output Too.
21	**7**	GPIO7, FSPID, MTDO	-	**Yes**	**Yes**	**Yes**	**Yes**	-	**Data**	SDA	I2C SDA
22	**8**	GPIO8	**High**	**Yes**	-	-	**Yes**	-	**PU**	GP8	Strapping Pin. Floating. Pulled High. *Unused*.
23	**9**	GPIO9	**High**	**Yes**	-	-	**Yes**	-	**In**	/PGM	Strapping Pin. Internal weak pull-up. Boot LOW. BOOT. PGM Button
16	**10**	GPIO10, FSPICS0	-	-	**Yes**	-	-	**Yes**	**Out**	LED_Red	RGB LED
26	**18**	GPIO18, USB_D-	-	-	**Yes**	-	-	**Yes**	**Out**	LED_Green	RGB LED
27	**19**	GPIO19, USB_D+	-	-	**Yes**	-	-	**Yes**	**Out**	LED_Blue	RGB LED
8	**EN**	Enable	**High**	**Yes**	-	-	**Yes**	-	**PRG**	/RST	Strapping Pin. Boot LOW. BOOT. PGM Button High: on, enables the chip. Low: off, the chip powers off.
30	**RXD0**	GPIO20, U0RXD	-	-	-	**Yes**	-	-	**Data**	USB_RXD	UART Interface
31	**TXD0**	GPIO21, U0TXD	-	-	-	**Yes**	-	-	**Data**	USB_TXD	USB_TXD LED. UART Interface