Pinout – Overengineered Simple Clock

Label	GPIO	Input	Output	Notes	Usage
D0	GPIO16	No interrupt	No PWM or I2C support	HIGH at boot Used to wake up from deep sleep	none
D1	GPIO5	OK	OK	Often used as SCL (I2C)	button (10kOhm) Down
D2	GPIO4	OK	OK	Often used as SDA (I2C)	temperature and humidity sensor, DHT11 (10kOhm)
D3	GPIO0	Pulled up	OK	Connected to FLASH button, boot fails if pulled LOW	piezo buzzer (220Ohm)
D4	GPIO2	Pulled up	OK	HIGH at boot connected to on-board LED, boot fails if pulled LOW	none
D5	GPIO14	OK	OK	SPI (SCLK)	DISPLAY: CLK
D6	GPIO12	OK	OK	SPI (MISO)	button (10kOhm) Up
D7	GPIO13	OK	OK	SPI (MOSI)	DISPLAY: DIN
D8	GPIO15	Pulled to GND	OK	SPI (CS) boot fails if pulled HIGH	DISPLAY: CS
RX	GPIO3	OK	RX pin	HIGH at boot	button (10kOhm) Set/Mode/Snooze
TX	GPIO1	TX pin	OK	HIGH at boot debug output at boot, boot fails if pulled LOW	none
A0	ADC0	Analog Input	X	maximal 3.3V	microphone