

Fast flashing white: Flashing code from factory reset memory Flashing yellow: Bootloader mode, waiting for code (USB or JTAG)

## Notes:

- (1) All pins except A3 and DAC are 5V tolerant (when not in analog mode). If used as a 5V input the pull-up/pull-down resistor must be disabled.
- (2) PWM is available on D0, D1, D2, D3, A4, A5, WKP, RX, TX with a caveat: PWM timer peripheral is duplicated on two pins (A5/D2) and (A4/D3) for 7 total independent PWM outputs. For example: PWM may be used on A5 while D2 is used as a GPIO. or D2 as a PWM while A5 is used as an analog input. However A5 and D2 cannot be used as independently controlled PWM outputs at the same time.

SPI3 SS

Parameter	Symbol	Min	Тур	Max	Unit
Supply Input Voltage	V	+3.6		+5.5	V
Supply Input Voltage	V <sub>.3V3</sub>	+3.0	+3.3	+3.6	V
Supply Output Voltage	VIN		+4.8		V
Supply Output Voltage	V <sub>3V3</sub>		+3.3		V
Supply Input Voltage	VVDAT	+1.65		+3.6	V
Supply Input Current (VBAT	) I <sub>VBAT</sub>			19	uA
Operating Current I	IN avg		80	100	mΑ
Operating Current	I <sub>IN pk</sub>	235		430	mΑ
Operating Current(w/powersav	e) I <sub>IN avo</sub>		18	100	mΑ
Operating Current (Wi-Fi off	N IN avg		30	40	mΑ
Sleep Current (5V @ VIN)	l <sub>oc</sub> "		1	2	mΑ
Deep Sleep Current (5V @ VI	N) I <sub>Qds</sub>		80	100	uA
Operating Temperature	T <sub>op</sub>	20		+60	°C
Humidity Range Non conde	nsing, rela	tive humid	ity	95	%