

Soft Power On/Off 5V/5A Regulator PWR_FLAG 2S-4S LiPo +BATT To ESC PWR_FLAG P3 N Turn on at 6V, turn off at 5.7V which works with 6.2V NIMH. Kind of low but OK to protect 25 Prevent ESC from draining buck converter input caps GND MF-SW-TAG SW3 VR_VI _OFF_NODE +5V Off GND PWR_FLAG MF-CAP-6.3MM-100uF C12 PWR_FLAG PWR_FLAG ₹\$3 311-3532-1-ND U5 Keep board on once on, unless Teensy forces it off MF-CAP-0603-0.1UF VR_EN ON_NODE BOOT SRP1238A-8R2MCT-ND VR_RT RT/SYNC J16 R16 311-14.0KLRCT-ND CON_01X04_PTH_2.54MM 8 VR_SW On SS U3 PIN2 GND -56.0KLRCT-ND C5 PIN3 +57 PWRON2D PIN4 GND ► LMR14050 SW4 GND Both RPi and Teensy can choose to keep power on. This is useful if RPi is programming Teensy, even if the RPi can't read the voltage for auto-off. Enough capacitance with low enough ESR and significant margin above 450 kHz fSW.

		J9 MF-CO	N-2.54mm-0	1×05
GND	1	PIN1	GND	
	2	PIN2	ON_NODE	
+5V OFF NODE	4	PIN3	+5٧	
BAT_IN	5	PIN4 PIN5	OFF_NODE BAT_IN	
			JAI_IN	

GND

Externally routed on/off buttons can go here. Or tap power, although the traces are not for high power!



