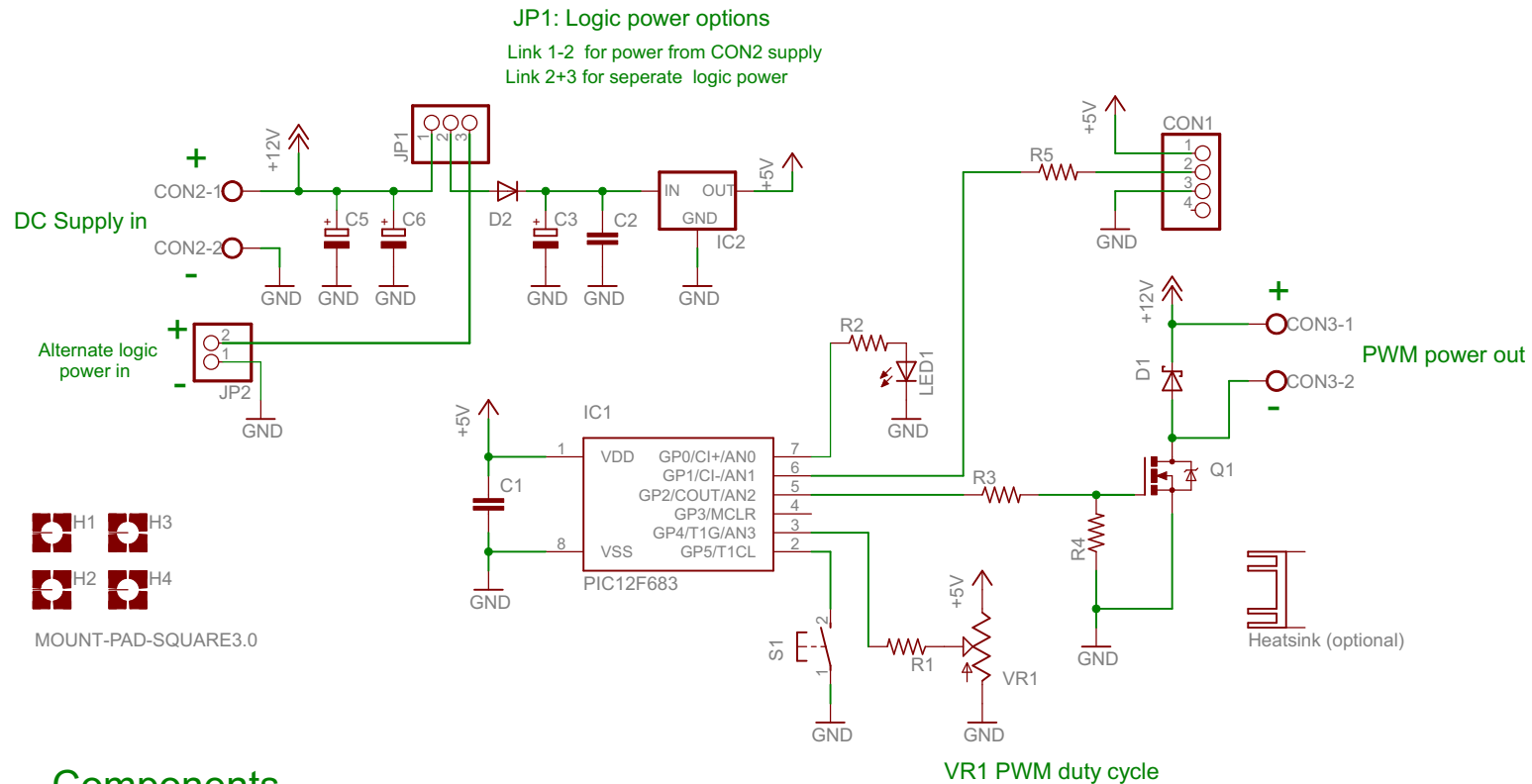


PWM Power Controller

<http://picprojects.org.uk>



Components

R1	1K	IC1	12F683 (needs programming)	Heatsink	TO220 HEATSINK WITH LUG 19°C/W (optional) Rapidonline part # 36-0235
R2	270R	IC2	78L05	CON2/3	2 WAY 16A 5MM END STACKABLE TERM-BLOC Rapidonline part # 21-1810
R3	220R	D1	1N4002 / 1N5819 / 1N5820	JP1	3-way 0.1" pin header
R4	100K	D2	1N4148	JP2	3-way 0.1" pin header
R5	see Text	LED1	5mm Green	CON1	4-way 0.1" pin header
C1	100nF	Q1	STP36NF06L MOSFET LOGIC N 60V 30A	Note:	
C2	220nF	S1	Omron B3F-31XX or similar	D1	Select to suit load and application
C3	22uF	VR1	5K linear pot	Q1	MOSFET may need heatsink depending on load
C5/6	47uF to 100uF see text				