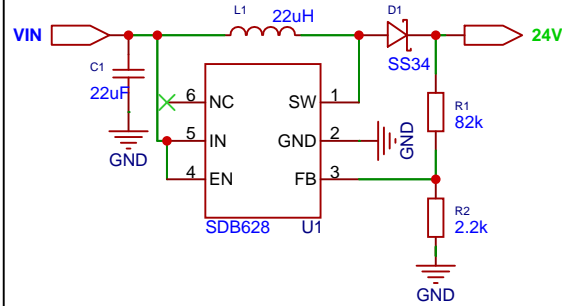
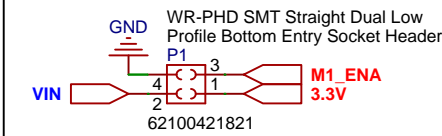


Alim 12-25V boost out 24V



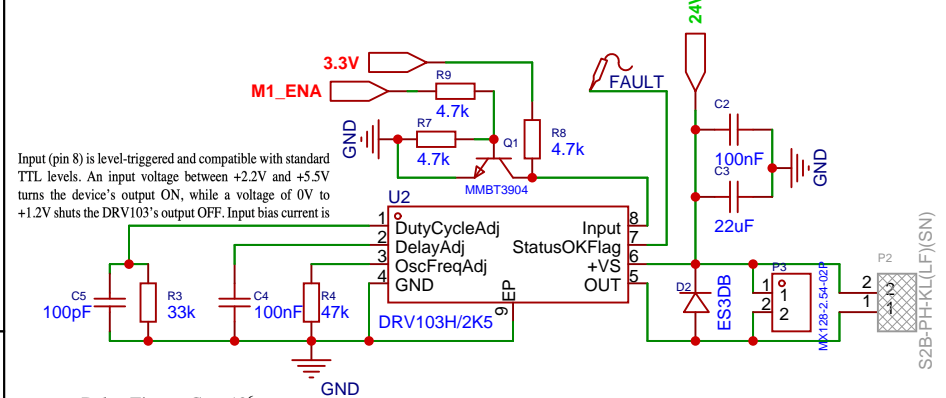
TeenAstro header



You need to order part in your JLC inventory



Power saving PWM brake controller



$$\text{Delay Time} \approx C_D \cdot 10^6$$

(time in seconds, C_D in Farads $\cdot 1.1$)

OSCILLATOR FREQUENCY (Hz)	R _{FREQ} (nearest 1% values) (Ω)
100k	47.5k
50k	100k
25k	205k
10k	523k
5k	1.07M
500	11.3M

DUTY CYCLE (%)	R _{PWM} (Nearest 1% Values)		
	5kHz	25kHz	100kHz
5	374k	75k	16.9k
10	402k	80.6k	19.1k
20	475k	95.3k	22.6k
30	549k	110k	26.1k
40	623k	125k	29.6k
50	681k	137k	33.2k
60	740k	150k	36.7k
70	825k	165k	40.2k
80	887k	182k	44.2k
90	953k	196k	47.5k
95	1M	200k	49.9k

Schematic	HEMY Brake Driver 1.1		Update Date	2024-12-25
			Create Date	2024-12-25
Page	Board		Part Number	HEMY_BRAKE_001
Drawn	P. VINCENT	TeenAstro Redux		
Reviewed	P. VINCENT			
		VER	SIZE	PAGE 1 OF 1
EasyEDA		V1.0	A5	Club Astro Vélizy