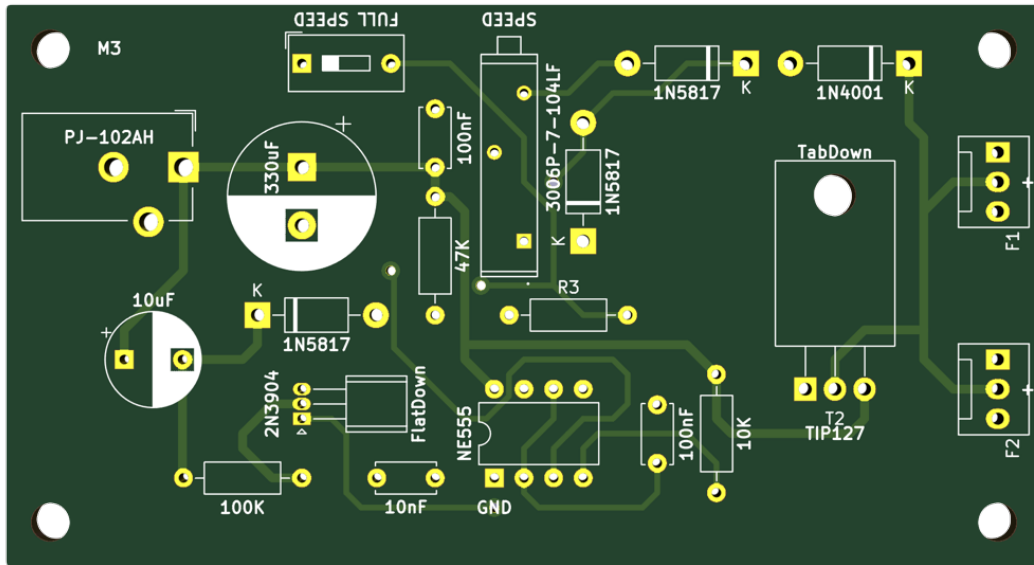
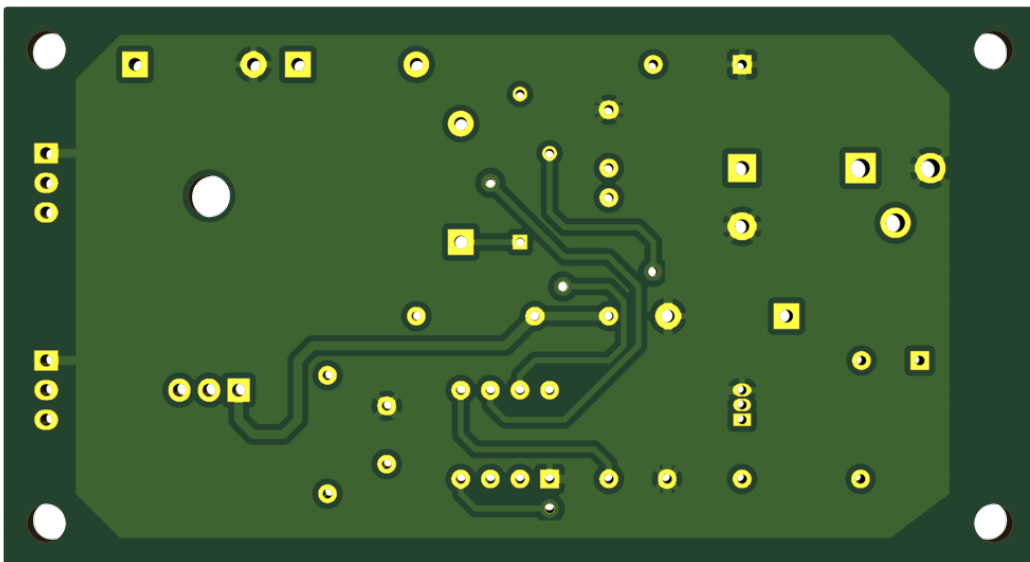


NE555 PWM Fan Speed Controller



PCB FRONT



PCB BACK

Bill of Materials

Manufacturer	Manufacturer Number	Description	Amount
Würth Elektronik	61900311121	WR-WTB, 2.54mm, Male 3Pin Fan Connect	2
CUI Inc.	PJ-102AH	DC Power Jacks, Ø2.0 mm / 5.5mm	1
STMicroelectronics	TIP127	Darlington, PNP Power Darlington, TO-220	1
Aavid	577002B00000G	Heat Sinks, Aluminum, W: 13.208 mm	1
Central Semiconductor	2N3904	Bipolar Transistor, BJT NPN Gen Pur SS	1
Texas Instruments	NE555P	Timer IC, DIP	1
Mill-Max	110-41-308-41-001000	DIP Sockets, 8 Position, 7.62mm (0.3)	1
STMicroelectronics	1N5817	Diode, Vr/20V Io, 1A BULK, L: 5.2mm	3
Diodes Incorporated	1N4001-T	Diode Rectifier, Vr/50V Io/1A T/R, L: 4.7mm	1
Yageo	CFR50SJT-52-1K	Resistor, 1K Ohm, 1/2W, 5%, L: 6.3mm	1
Yageo	MFP-25BRD52-10K	Resistor, 10K Ohm, 1/4W, 0.1%, L: 6.3mm	1
Yageo	CFR-25JT-52-47K	Resistor, 47K Ohm, 1/4W, 5%, L: 6.3mm	1
Yageo	CFR-25JT-52-100K	Resistor, 100K Ohm, 1/4W, 5%, L: 6.3mm	1
Bourns	3006P-7-104LF	Potentiometer, 100K Ohm, 10%	1
Murata	RDE5C1H104J2K1H03B	Capacitor, MLCC, 0.1 uF, 50V, 5mm	2
Murata	RDER73A103K2K1H03B	Capacitor, MLCC, 0.01 uF, 5mm	1
Panasonic	EEU-FR1H100B	Capacitor, 10uF, 50V, Axial, 5mm	1
EPCOS / TDK	B41896C6337M000	Capacitor, 330uF, 50V, 5mm	1
C&K Switches	BD01	DIP/SIP Switch, 1 Position	1
Total			23