

RD Number: RD187

RD Title: TC78H670FTG Evaluation Circuit BOM

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	CN1	1	CN-2P	—	—	PCB terminal block 2 positions		
2	CN2	1	CN-2P	—	—	PCB terminal block 2 positions		
3	CN3	1	CN-2P	—	—	PCB terminal block 2 positions		
4	CVM1	1	47μF	—	—	Capacitor		
5	CVM2	1	0.1μF	—	—	Chip capacitor		
6	CEN	0	Not mount	—	—			✓
7	CVCC	1	0.1μF	—	—	Chip capacitor		
8	CVREF	1	0.1μF	—	—	Chip capacitor		
9	R1	0	Not mount	—	—			✓
10	R2	0	Not mount	—	—			✓
11	R3	1	10kΩ	—	—	Chip resistor		
12	R4	1	10kΩ	—	—	Chip resistor		
13	R5	1	10kΩ	—	—	Chip resistor		
14	R6	1	10kΩ	—	—	Chip resistor		
15	R7	1	10kΩ	—	—	Chip resistor		
16	R8	1	10kΩ	—	—	Chip resistor		
17	R9	1	10kΩ	—	—	Chip resistor		
18	R10	1	10kΩ	—	—	Chip resistor		
19	R11	0	Not mount	—	—			✓
20	R12	0	Not mount	—	—			✓
21	R13	0	Not mount	—	—			✓
22	R14	0	Not mount	—	—			✓
23	REN	1	10kΩ	—	—	Chip resistor		
24	ROSC	1	47kΩ	—	—	Chip resistor		
25	VR1	0	Not mount	—	—	Variable Resistor		✓
26	U1	1	TC78H670FTG	TC78H670FTG	TOSHIBA	Stepping Motor Driver IC	QFN16	
27	SW0	0	Not mount	—	—	Toggle switch		✓
28	SW1	0	Not mount	—	—	Toggle switch		✓
29	SW2	0	Not mount	—	—	Toggle switch		✓
30	SW3	0	Not mount	—	—	Toggle switch		✓
31	AGND	0	Not mount	—	—	Check terminal		✓
32	EN	0	Not mount	—	—	Check terminal		✓
33	ERR	0	Not mount	—	—	Check terminal		✓

34	MODE0	0	Not mount	—	—	Check terminal		✓
35	MODE1	0	Not mount	—	—	Check terminal		✓
36	MODE2	0	Not mount	—	—	Check terminal		✓
37	MODE3	0	Not mount	—	—	Check terminal		✓
38	OSCM	0	Not mount	—	—	Check terminal		✓
39	OUT_A+	0	Not mount	—	—	Check terminal		✓
40	OUT_A-	0	Not mount	—	—	Check terminal		✓
41	OUT_B+	0	Not mount	—	—	Check terminal		✓
42	OUT_B-	0	Not mount	—	—	Check terminal		✓
43	PGNDA	0	Not mount	—	—	Check terminal		✓
44	PGNDB	0	Not mount	—	—	Check terminal		✓
45	STBY	0	Not mount	—	—	Check terminal		✓
46	TP3	0	Not mount	—	—	Check terminal		✓
47	VM	0	Not mount	—	—	Check terminal		✓
48	VREF	0	Not mount	—	—	Check terminal		✓
49								
50								

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