

RD Number: RD135

RD Title: TB67H303HG Evaluation circuit BOM

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_Vreg	1	0.1μF 100V	—	—	Chip capacitor		
2	C_Vcc2	1	0.1μF 100V	—	—	Chip capacitor		
3	C_Vref	1	0.1μF 100V	—	—	Chip capacitor		
4	C_Vcc1	1	100μF 50V	—	—	Electrolytic capacitor		
5	C_VDD	0	10μF 25V	—	—	Electrolytic capacitor		✓
6	C_O1	0	Not mount	—	—	Chip capacitor		✓
7	C_O2	0	Not mount	—	—	Chip capacitor		✓
8	CON1	1	Terminal block 2P	—	—	Terminal block 2P		
9	OUT1	1	Check terminal	—	—	Logic pin		
10	OUT2	1	Check terminal	—	—	Logic pin		
11	RRS	0	Check terminal	—	—	Logic pin		✓
12	Vreg	1	Check terminal	—	—	Logic pin		
13	VDD	1	Check terminal	—	—	Logic pin		
14	Vcc	1	Check terminal	—	—	Logic pin		
15	ALERT1	1	Check terminal	—	—	Logic pin		
16	SELECT	1	Check terminal	—	—	Logic pin		
17	Vref	1	Check terminal	—	—	Logic pin		
18	STBY	1	Check terminal	—	—	Logic pin		
19	IN1	1	Check terminal	—	—	Logic pin		
20	IN2	1	Check terminal	—	—	Logic pin		
21	PWM	1	Check terminal	—	—	Logic pin		
22	OSC	1	Check terminal	—	—	Logic pin		
23	ALERT2	1	Check terminal	—	—	Logic pin		
24	GND1	1	Check terminal	—	—	Logic pin		
25	GND2	1	Check terminal	—	—	Logic pin		
26	GND3	1	Check terminal	—	—	Logic pin		

27	GND4	1	Check terminal	–	–	Logic pin		
28	GND5	1	Check terminal	–	–	Logic pin		
29	GND6	1	Check terminal	–	–	Logic pin		
30	GND7	1	Check terminal	–	–	Logic pin		
31	JP_VREG	1	Pin header 2P	–	–	Jumper	2.54mm pitch	
32		1	Jumper socket	–	–	Short pin	2.54mm pitch	
33	JP_VRF	1	Pin header 2P	–	–	Jumper	2.54mm pitch	
34		1	Jumper socket	–	–	Short pin	2.54mm pitch	
35	R_ALERT1	1	100k Ω 0.25W	–	–	Leaded resistor		
36	R_ALERT2	1	100k Ω 0.25W	–	–	Leaded resistor		
37	R_OSC	2	Socket pin	–	–	Socket pin		
38		1	51k Ω 0.25W	–	–	Leaded resistor		
39		0	51k Ω	–	–	Chip resistor		✓
40	R_VRF1	2	Socket pin	–	–	Socket pin		
41		0	Not mount	–	–	Leaded resistor		✓
42	R_VRF2	2	Socket pin	–	–	Socket pin		
43		0	Not mount	–	–	Leaded resistor		✓
44	R_RS	1	0.22 Ω 1W	–	–	Chip resistor		
45		0	0.22 Ω 1W	–	–	Leaded resistor		✓
46	SW3	1	Pin header 3P	–	–	Jumper		
47	SELECT	1	Jumper socket	–	–	Short pin		
48	SW7	1	Pin header 3P	–	–	Jumper		
49	STBY	1	Jumper socket	–	–	Short pin		
50	SW8	1	Pin header 3P	–	–	Jumper		
51	IN1	1	Jumper socket	–	–	Short pin		
52	SW9	1	Pin header 3P	–	–	Jumper		
53	IN2	1	Jumper socket	–	–	Short pin		
54	SW22	1	Pin header 3P	–	–	Jumper		
55	PWM	1	Jumper socket	–	–	Short pin		
56	IC2	1	TB67H303HG	TB67H303HG	TOSHIBA	Motor driver IC	HZIP25	
57		1	Heat sink	17PC47 L25B		Heat sink		
58		2		M3X8(RO)		M3x8mm		
59		2		D3035-5110				
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