

RD Number: RD118

RD Title: TB67S145FTG Evaluation circuit BOM

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	VM	1	Check terminal	—	—	Check pin		
2	GND	8	Check terminal	—	—	Check pin		
3	VREF	1	Check terminal	—	—	Check pin		
4	VDD	1	Check terminal	—	—	Check terminal		
5	ERR	1	Check terminal	—	—	Check terminal		
6	ALM	1	Check terminal	—	—	Check terminal		
7	MO	0	Check terminal	—	—	Check terminal		✓
8	LOUT	1	Check terminal	—	—	Check terminal		
9	COUT	1	Check terminal	—	—	Check terminal		
10	DOUT	1	Check terminal	—	—	Check terminal		
11	45	1	Check terminal	—	—	Check terminal		
12	46	1	Check terminal	—	—	Check terminal		
13	47	1	Check terminal	—	—	Check terminal		
14	48	0	Check terminal	—	—	Check terminal		✓
15	3	1	Check terminal	—	—	Check terminal		
16	5	1	Check terminal	—	—	Check terminal		
17	6	1	Check terminal	—	—	Check terminal		
18	7	1	Check terminal	—	—	Check terminal		
19	OUTA+	1	Check terminal	—	—	Check pin		
20	OUTA-	1	Check terminal	—	—	Check pin		
21	OUTB+	1	Check terminal	—	—	Check pin		
22	OUTB-	1	Check terminal	—	—	Check pin		
23	COMA	1	Check terminal	—	—	Check pin		
24	COMB	1	Check terminal	—	—	Check pin		
25	ZD	1	CMZ36	CMZ36	TOSHIBA	Zener diode	M-FLAT	
26	R351	0	Not mount	—	—	Leaded resistor		✓

27	R352	0	Not mount	–	–	Leaded resistor		✓
28	R37	1	10kΩ 0.25W	–	–	Leaded resistor		
29	R38	1	10kΩ 0.25W	–	–	Leaded resistor		
30	R39	1	10kΩ 0.25W	–	–	Leaded resistor		
31	R40	1	10kΩ 0.25W	–	–	Leaded resistor		
32	C312	1	0.1μF 100V	–	–	Chip capacitor		
33	C33	1	0.1μF 100V	–	–	Chip capacitor		
34	C35	1	0.1μF 100V	–	–	Chip capacitor		
35	CDD	1	0.1μF 100V	–	–	Chip capacitor		
36	C13	0	0.1μF 100V	–	–	Chip capacitor		✓
37	C17	0	0.1μF 100V	–	–	Chip capacitor		✓
38	C19	0	0.1μF 100V	–	–	Chip capacitor		✓
39	C23	0	0.1μF 100V	–	–	Chip capacitor		✓
40	C311	1	100μF 50V YK	–	–	Electrolytic capacitor		
41	SW3	1	Pin header 3P	–	–	Jumper		
42		1	Jumper socket	–	–	Short pin		
43	SW5	1	Pin header 3P	–	–	Jumper		
44		1	Jumper socket	–	–	Short pin		
45	SW6	1	Pin header 3P	–	–	Jumper		
46		1	Jumper socket	–	–	Short pin		
47	SW7	1	Pin header 3P	–	–	Jumper		
48		1	Jumper socket	–	–	Short pin		
49	SW45	0	Pin header 3P	–	–	Jumper		✓
50		0	Jumper socket	–	–	Short pin		✓
51	SW46	0	Pin header 3P	–	–	Jumper		✓
52		0	Jumper socket	–	–	Short pin		✓
53	SW47	0	Pin header 3P	–	–	Jumper		✓
54		0	Jumper socket	–	–	Short pin		✓
55	SW48	0	Pin header 3P	–	–	Jumper		✓
56		0	Jumper socket	–	–	Short pin		✓
57	CON1	1	Connector 6P	–	–	Connector 6P-2.5		
58	CON2	1	Connector 3P	–	–	Connector 3P-2.5		
59	CON3	1	Connector 3P	–	–	Connector 3P-2.5		
60	JPCC	1	Pin header 2P	–	–	Jumper		

61		1	Jumper socket	-	-	Short pin		
62	IC	1	TB67S145FTG	TB67S145FTG	TOSHIBA	Motor driver IC	QFN48	

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