

RD Number: RD074

RD Title: TB67S149FTG\_Evaluation\_circuit\_BOM

2025-08-29

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	IC1	1	TB67S149FTG	TB67S149FTG	TOSHIBA	Motor driver IC	QFN48	
2	VM	1	Check terminal	-	-	Check terminal for logic		
3	GND	1	Check terminal	-	-	Check terminal for logic		
4	VREF	1	Check terminal	-	-	Check terminal for logic		
5	VDD	1	Check terminal	-	-	Check terminal for oscilloscope		
6	ERR	1	Check terminal	-	-	Check terminal for oscilloscope		
7	ALM	1	Check terminal	-	-	Check terminal for oscilloscope		
8	MO	1	Check terminal	-	-	Check terminal for oscilloscope		
9	LOUT	0	Check terminal	-	-	Check terminal for oscilloscope		✓
10	COUT	0	Check terminal	-	-	Check terminal for oscilloscope		✓
11	DOUT	0	Check terminal	-	-	Check terminal for oscilloscope		✓
12	45	1	Check terminal	-	-	Check terminal for oscilloscope		
13	46	1	Check terminal	-	-	Check terminal for oscilloscope		
14	47	1	Check terminal	-	-	Check terminal for oscilloscope		
15	48	1	Check terminal	-	-	Check terminal for oscilloscope		
16	3	1	Check terminal	-	-	Check terminal for oscilloscope		
17	5	1	Check terminal	-	-	Check terminal for oscilloscope		
18	6	1	Check terminal	-	-	Check terminal for oscilloscope		
19	7	1	Check terminal	-	-	Check terminal for oscilloscope		
20	OUTA+	1	Check terminal	-	-	Check terminal for logic		
21	OUTA-	1	Check terminal	-	-	Check terminal for logic		
22	OUTB+	1	Check terminal	-	-	Check terminal for logic		
23	OUTB-	1	Check terminal	-	-	Check terminal for logic		
24	COMA	1	Check terminal	-	-	Check terminal for logic		
25	COMB	1	Check terminal	-	-	Check terminal for logic		

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Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
26	ZD	1	CMZ36A	CMZ36A	TOSHIBA	Zener diode Vz=36V	M-FLAT	
27	R351	0	Not mount	-	-	Leaded resistor		✓
28	R352	0	Not mount	-	-	Leaded resistor		✓
29	R37	1	10kΩ	-	-	Leaded resistor		
30	R38	1	10kΩ	-	-	Leaded resistor		
31	R39	1	10kΩ	-	-	Leaded resistor		
32	R40	1	10kΩ	-	-	Leaded resistor		
33	C312	1	0.1μF	-	-	Chip capacitor	3.2mm×1.6mm	
34	C33	1	0.1μF	-	-	Chip capacitor	3.2mm×1.6mm	
35	C35	1	0.1μF	-	-	Chip capacitor	3.2mm×1.6mm	
36	CDD	1	0.1μF	-	-	Chip capacitor	3.2mm×1.6mm	
37	C13	0	Not mount	-	-	Chip capacitor	3.2mm×1.6mm	✓
38	C17	0	Not mount	-	-	Chip capacitor	3.2mm×1.6mm	✓
39	C19	0	Not mount	-	-	Chip capacitor	3.2mm×1.6mm	✓
40	C23	0	Not mount	-	-	Chip capacitor	3.2mm×1.6mm	✓
41	C311	1	100μF	-	-	Electrolytic capacitor		
42	SW3	0	Pin header 3P	-	-	Single row plugs		✓
43		0	Jump socket	-	-	Position Shunt Connector		✓
44	SW5	1	Pin header 3P	-	-	Single row plugs		
45		1	Jump socket	-	-	Position Shunt Connector		
46	SW6	1	Pin header 3P	-	-	Single row plugs		
47		1	Jump socket	-	-	Position Shunt Connector		
48	SW7	1	Pin header 3P	-	-	Single row plugs		
49		1	Jump socket	-	-	Position Shunt Connector		
50	SW45	1	Pin header 3P	-	-	Single row plugs		
51		1	Jump socket	-	-	Position Shunt Connector		
52	SW46	1	Pin header 3P	-	-	Single row plugs		
53		1	Jump socket	-	-	Position Shunt Connector		
54	SW47	1	Pin header 3P	-	-	Single row plugs		
55		1	Jump socket	-	-	Position Shunt Connector		
56	SW48	1	Pin header 3P	-	-	Single row plugs		
57		1	Jump socket	-	-	Position Shunt Connector		

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Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
58	CON1	1	Connector	-	-	CONN HEADER VERT 6POS		
59	CON2	0	Connector	-	-	CONN HEADER VERT 3POS		✓
60	CON3	0	Connector	-	-	CONN HEADER VERT 3POS		✓
61	JPCC	1	Pin header 2P	-	-	Single row plugs		
62		1	Jump socket	-	-	Position Shunt Connector		

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