RD Number: RD136
RD Title: TB67S149HG_Evaluation_circuit_BOM

2025-08-29

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C1	1	0.1μF	-	-	Chip capacitor	3.2mm×1.6mm	
2	C3	1	0.1μF	-	-	Chip capacitor	3.2mm×1.6mm	
3	C4	1	100μF	-	-			
4	C5	0	Not mount	-	-	Chip capacitor	3.2mm×1.6mm	✓
5	C6	0	Not mount	-	-	Chip capacitor	3.2mm×1.6mm	✓
6	C7	0	Not mount	-	-	Chip capacitor	3.2mm×1.6mm	✓
7	C8	0	Not mount	-	-	Chip capacitor	3.2mm×1.6mm	✓
8	R_ERR	1	10kΩ	-	-	Chip resistor	3.2mm×1.6mm	
9	R_ALM	1	10kΩ	-	-	Chip resistor	3.2mm×1.6mm	
10	R_MO	1	10kΩ	-	-	Leaded resistor		
11		2	Socket pin	-	-	Socket pin		
12	R4	0	Not mount	-	-	Leaded resistor		✓
13		0	Socket pin	-	-	Socket pin		✓
14	R_OSCM	1	10kΩ	-	-	Leaded resistor		
15		2	Socket pin	-	-	Socket pin		
16	R_VRF1	1	2.5kΩ	-	-	Leaded resistor		
17		2	Socket pin	-	-	Socket pin		
18	R_VRF2	1	2.5kΩ	-	-	Leaded resistor		
19		2	Socket pin	-	-	Socket pin		
20	D1	1	CMZ36A	CMZ36A	TOSHIBA	Zener Diode	M-FLAT	
21	CW/CCW	1	Pin header 3P	-	-		2.54mm pitch	
22		1	Jumper socket	-	-		2.54mm pitch	
23	DMODE1	1	Pin header 3P	-	-		2.54mm pitch	
24		1	Jumper socket	-	-		2.54mm pitch	
25	DMODE2	1	Pin header 3P	-	-		2.54mm pitch	
26		1	Jumper socket	-	-		2.54mm pitch	

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Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
27	DMODE0	1	Pin header 3P	-	-	Jumper	2.54mm pitch	
28		1	Jumper socket	-	-	Short pin	2.54mm pitch	
29	RESET	1	Pin header 3P	-	-	Jumper	2.54mm pitch	
30		1	Jumper socket	-	-	Short pin	2.54mm pitch	
31	JMP7	0	Pin header 3P	-	-	Jumper	2.54mm pitch	✓
32		0	Jumper socket	-	-	Short pin	2.54mm pitch	✓
33	ENABLE	1	Pin header 3P	-	-	Jumper	2.54mm pitch	
34		1	Jumper socket	-	-	Short pin	2.54mm pitch	
35	JP_VCC	1	Pin header 3P	-	-	Jumper	2.54mm pitch	
36		1	Jumper socket	-	-	Short pin	2.54mm pitch	
37	VCC	1	Check terminal	-	-	Logic pin		
38	ERR	1	Check terminal	-	-	Logic pin		
39	ALM	1	Check terminal	-	-	Logic pin		
40	CW/CCW	1	Check terminal	-	-	Logic pin		
41	DMODE1	1	Check terminal	-	-	Logic pin		
42	DMODE2	1	Check terminal	-	-	Logic pin		
43	MO	1	Check terminal	-	-	Logic pin		
44	DMODE0	1	Check terminal	-	-	Logic pin		
45	RESET	1	Check terminal	-	-	Logic pin		
46	CLK	1	Check terminal	-	-	Logic pin		
47	ENABLE	1	Check terminal	-	-	Logic pin		
48	VREF	1	Check terminal	-	-	Logic pin		
49	OSCM	0	Check terminal	-	-	Logic pin		✓
50	VM	1	Check terminal	-	-	Logic pin		
51	VM	1	Check terminal	-	-	Logic pin		
52	VCOM	0	Check terminal	-	-	Logic pin		✓
53	OUT_A+	1	Check terminal	-	-	Logic pin		
54	OUT_A-	1	Check terminal	-	-	Logic pin		
55	OUT_B-	1	Check terminal	-	-	Logic pin		
56	OUT_B+	1	Check terminal	-	-	Logic pin		
57	VDD	1	Check terminal	-	-	Logic pin		
58	GND	1	Check terminal	-	-	Logic pin		
59	GND	1	Check terminal	-	-	Logic pin		
60	GND	1	Check terminal	-	-	Logic pin		

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Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
61	CN1	1	Terminal block 10P	-	-	Terminal block		
62	CN2	1	Terminal block 6P	-	-	Terminal block		
63	CN3	1	Terminal block 2P	-	-	Terminal block		
64	CN4	1	Terminal block 2P	-	-	Terminal block		
65	U1	1	TB67S149HG	TB67S149HG	TOSHIBA	Motor driver IC	HZIP25	

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