

RD Number: RD134

RD Title: TB67H302HG Evaluation circuit

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_VREG	1	0.1μF,25V	GRM319R72A104KA01D		Chip capacitor		
2	C_VCC2	1	0.1μF,25V	GRM319R72A104KA01D		Chip capacitor		
3	C_VREFA	1	0.1μF,25V	GRM319R72A104KA01D		Chip capacitor		
4	C_VREFB	1	0.1μF,25V	GRM319R72A104KA01D		Chip capacitor		
5	C_VCC1	1	100μF,50V	EKMG500ELL101MHB5D		Electrolytic capacitor		
6	C_VDD	0	10μF,25V			Electrolytic capacitor		✓
7	CON2,CON3	2		1760510000		Connector		
8	OUT2B	1		ST-1-3	Mac8	Logic pin		
9	OUT1B	1		ST-1-3	Mac8	Logic pin		
10	OUT2A	1		ST-1-3	Mac8	Logic pin		
11	OUT1A	1		ST-1-3	Mac8	Logic pin		
12	RSA	1		ST-1-3	Mac8	Logic pin		
13	RSB	1		ST-1-3	Mac8	Logic pin		
14	Vreg	1		ST-1-3	Mac8	Logic pin		
15	VDD	1		ST-1-3	Mac8	Logic pin		
16	VCC	1		ST-1-3	Mac8	Logic pin		
17	ALERT1	1		ST-1-3	Mac8	Logic pin		
18	SELECT	1		ST-1-3	Mac8	Logic pin		
19	VrefA	2		ST-1-3	Mac8	Logic pin		
20	VrefB	1		ST-1-3	Mac8	Logic pin		
21	STBY	1		ST-1-3	Mac8	Logic pin		
22	IN1B	1		ST-1-3	Mac8	Logic pin		
23	IN2B	1		ST-1-3	Mac8	Logic pin		
24	IN1A	1		ST-1-3	Mac8	Logic pin		
25	IN2A	1		ST-1-3	Mac8	Logic pin		
26	PWMA	1		ST-1-3	Mac8	Logic pin		

27	PWMB	1		ST-1-3	Mac8	Logic pin		
28	OSC	1		ST-1-3	Mac8	Logic pin		
29	ALERT2	1		ST-1-3	Mac8	Logic pin		
30	GND1	1		ST-1-3	Mac8	Logic pin		
31	GND2	1		ST-1-3	Mac8	Logic pin		
32	GND3	1		ST-1-3	Mac8	Logic pin		
33	GND4	1		ST-1-3	Mac8	Logic pin		
34	GND5	1		ST-1-3	Mac8	Logic pin		
35	GND6	1		ST-1-3	Mac8	Logic pin		
36	GND7	1		ST-1-3	Mac8	Logic pin		
37	GND8	1		ST-1-3	Mac8	Logic pin		
38	GND9	1		ST-1-3	Mac8	Logic pin		
39	JP_VREG	1		XJ8B-0911	Omron	Jumper		
40		1		M7567-05	HARWIN	Short pin		
41	R_ALERT1	1		RK73B2BTDD104J		Chip resistor		
42	R_ALERT2	1		RK73B2BTDD104J		Chip resistor		
43	R_OSC	2		PD-10	Mac8	Socket pin		
44		1	51k Ω	MFS1/4CC5102F		Leaded resistor		
45		0	51k Ω			Chip resistor		✓
46	R_VRF1	2		PD-10	Mac8	Socket pin		
47		0				Leaded resistor		✓
48	R_VRF2	2		PD-10	Mac8	Socket pin		
49		0				Leaded resistor		✓
50	R_VRF3	2		PD-10	Mac8	Socket pin		
51		0				Leaded resistor		✓
52	R_VRF4	2		PD-10	Mac8	Socket pin		
53		0				Leaded resistor		✓
54	RRSA	1	0.22 Ω ,1W	ERJ-1TRQFR22U		Chip resistor		
55		0	0.22 Ω ,1W			Leaded resistor		✓
56	RRSB	1	0.22 Ω ,1W	ERJ-1TRQFR22U		Chip resistor		
57		0	0.22 Ω ,1W			Leaded resistor		✓
58	SW3	1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
59	SELECT	1		M7567-05	HARWIN	Short pin	2.54mm pitch	
60	SW4	0		XJ8B-0911	Omron	Jumper	2.54mm pitch	✓

61	VrefA	0		M7567-05	HARWIN	Short pin	2.54mm pitch	✓
62	SW7	1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
63	STBY	1		M7567-05	HARWIN	Short pin	2.54mm pitch	
64	SW8	1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
65	IN1B	1		M7567-05	HARWIN	Short pin	2.54mm pitch	
66	SW9	1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
67	IN2B	1		M7567-05	HARWIN	Short pin	2.54mm pitch	
68	SW18	1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
69	IN1A	1		M7567-05	HARWIN	Short pin	2.54mm pitch	
70	SW19	1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
71	IN2A	1		M7567-05	HARWIN	Short pin	2.54mm pitch	
72	SW21	1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
73	PWMA	1		M7567-05	HARWIN	Short pin	2.54mm pitch	
74	SW22	1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
75	PWMB	1		M7567-05	HARWIN	Short pin	2.54mm pitch	
76	IC1	1		TB67H302HG	TOSHIBA			
77		1		17PC47L25B μ J μ		Heat sink		
78		2		M3X8(RO)		M3x8mm		
79		2		D3035-5110				
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