TOSHIBA

2020-2-27 Rev.2.0

RD Number: RD107

RD Title: TB67S522FTAG Evaluation circuit BOM

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_VCC	1	0.1μF 100V	–	–	Chip capacitor		
2	C_VM2	1	0.1μF 100V	–	–	Chip capacitor		
3	C_VRFA	1	0.1μF 100V	–	–	Chip capacitor		
4	C_VRFB	1	0.1μF 100V	–	–	Chip capacitor		
5	C_OAP	0	0.1μF 100V	–	–	Chip capacitor		✓
6	C_OAM	0	0.1μF 100V	–	–	Chip capacitor		✓
7	C_OBM	0	0.1μF 100V	–	–	Chip capacitor		✓
8	C_OBP	0	0.1μF 100V	–	–	Chip capacitor		✓
9	C_VM1	1	100μF 50V	–	–	Electrolytic capacitor		
10		0	Socket pin	–	–	Socket pin		✓
11	C_VDD	1	10μF 25V	–	–	Electrolytic capacitor		
12		0	Socket pin	–	–	Socket pin		✓
13	C_OSCM	1	270pF 1000V	–	–	Chip capacitor		
14		0	270pF	–	–	Ceramic capacitor		✓
15		0	Socket pin	–	–	Socket pin		✓
16	CON1	1	Connector 4P	–	–	Connector 4P-2.5		
17	OSCM	1	Check terminal	–	–	Check terminal		
18	OUT_A-	1	Check terminal	–	–	Logic pin		
19	OUT_A+	1	Check terminal	–	–	Logic pin		
20	OUT_B-	1	Check terminal	–	–	Logic pin		
21	OUT_B+	1	Check terminal	–	–	Logic pin		
22	RSA	1	Check terminal	–	–	Check terminal		
23	RSB	1	Check terminal	–	–	Check terminal		
24	VCC	1	Check terminal	–	–	Check terminal		
25	VDD	1	Check terminal	–	–	Logic pin		
26	VM	1	Check terminal	–	–	Logic pin		

27	VREFA	1	Check terminal	–	–	Check terminal		
28	VREFB	1	Check terminal	–	–	Logic pin		
29	CW/CCW	1	Check terminal	–	–	Check terminal		
30	MO	1	Check terminal	–	–	Check terminal		
31	D_MODE1	1	Check terminal	–	–	Check terminal		
32	D_MODE2	1	Check terminal	–	–	Check terminal		
33	CLK	1	Check terminal	–	–	Check terminal		
34	ENABLE	1	Check terminal	–	–	Check terminal		
35	RESET	1	Check terminal	–	–	Check terminal		
36	GND	1	Check terminal	–	–	Logic pin		
37	GND	1	Check terminal	–	–	Logic pin		
38	GND	1	Check terminal	–	–	Logic pin		
39	GND	1	Check terminal	–	–	Logic pin		
40	GND	1	Check terminal	–	–	Logic pin		
41	GND	1	Check terminal	–	–	Logic pin		
42	GND	1	Check terminal	–	–	Logic pin		
43	JP_VRF1	1	Pin header 2P	–	–	Jumper		
44		1	Jumper socket	–	–	Jumper Short		
45	JP_VRF2	1	Pin header 2P	–	–	Jumper		
46		1	Jumper socket	–	–	Jumper Short		
47	JP_VCC	1	Pin header 2P	–	–	Jumper		
48		1	Jumper socket	–	–	Jumper Short		
49	R_MOUT	0	100kΩ 0.25W	–	–	Leaded resistor		✓
50		0	Socket pin	–	–	Socket pin		✓
51	R_OSCM	1	5.1kΩ 0.25W	–	–	Chip resistor		
52		0	Not mount	–	–	Leaded resistor		✓
53		0	Socket pin	–	–	Socket pin		✓
54	R_VRF1	2	Socket pin	–	–	Socket pin		
55		0	Not mount	–	–	Leaded resistor		✓
56	R_VRF2	2	Socket pin	–	–	Socket pin		
57		0	Not mount	–	–	Leaded resistor		✓
58	R_RSA	1	0.22Ω 1W	–	–	Chip resistor		
59	R_RSB	1	0.22Ω 1W	–	–	Chip resistor		
60	SW1	1	Pin header 3P	–	–	Jumper		

61		1	Jumper socket	–	–	Jumper Short		
62	SW2	0	Pin header 3P	–	–	Jumper		✓
63		0	Jumper socket	–	–	Jumper Short		✓
64	SW3	1	Pin header 3P	–	–	Jumper		
65		1	Jumper socket	–	–	Jumper Short		
66	SW4	1	Pin header 3P	–	–	Jumper		
67		1	Jumper socket	–	–	Jumper Short		
68	SW5	0	Pin header 3P	–	–	Jumper		✓
69		0	Jumper socket	–	–	Jumper Short		✓
70	SW6	1	Pin header 3P	–	–	Jumper		
71		1	Jumper socket	–	–	Jumper Short		
72	SW7	1	Pin header 3P	–	–	Jumper		
73		1	Jumper socket	–	–	Jumper Short		
74	IC1	1	TB67S522FTAG	TB67S522FTAG	TOSHIBA	Motor driver IC	QFN36	

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