

RD Number: RD106

RD Title: TB67S521FTAG 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	IN_A1	1	Check terminal	–	–	Check terminal		
30	IN_A2	1	Check terminal	–	–	Check terminal		
31	PHASE_A	1	Check terminal	–	–	Check terminal		
32	PHASE_B	1	Check terminal	–	–	Check terminal		
33	IN_B1	1	Check terminal	–	–	Check terminal		
34	IN_B2	1	Check terminal	–	–	Check terminal		
35	STANDBY	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	100k Ω 0.25W	–	–	Leaded resistor		✓
50		0	Socket pin	–	–	Socket pin		✓
51	R_OSCM	1	5.1k Ω 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	0.22 Ω 1W	–	–	Chip resistor		
59	R_RSB	1	0.22 Ω 1W	–	–	Chip resistor		
60	IN_A1	0	Toggle switch	–	–	Toggle switch		✓

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