

RD Number: RD122

RD Title: TB62216FNG Evaluation circuit BOM

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_VCC	1	0.1μF 25V	—	—	Chip capacitor	3.2mm×1.6mm	
2	C_VM2	1	0.1μF 50V	—	—	Chip capacitor	3.2mm×1.6mm	
3	C_VRFA	0	0.1μF 25V	—	—	Chip capacitor	3.2mm×1.6mm	✓
4	C_VRFB	1	0.1μF 25V	—	—	Chip capacitor	3.2mm×1.6mm	
5	C_VM1	1	100μF 50V	—	—	Electrolytic capacitor		
6	C_VDD	1	10μF 25V	—	—	Electrolytic capacitor		
7	C_OSCM	0	Socket pin	—	—	Socket pin		✓
8	C_OSCM1	0	270pF 25V	—	—	Leaded capacitor	2.54mm pitch	✓
9	C_OSCM2	1	270pF 25V	—	—	Chip capacitor	3.2mm×1.6mm	
10	C_OAP	0	Not mount	—	—	Chip capacitor	3.2mm×1.6mm	✓
11	C_OAM	0	Not mount	—	—	Chip capacitor	3.2mm×1.6mm	✓
12	C_OBM	0	Not mount	—	—	Chip capacitor	3.2mm×1.6mm	✓
13	C_OBP	0	Not mount	—	—	Chip capacitor	3.2mm×1.6mm	✓
14	CON1	0	Connector	—	—	Connector 4P 2.5		✓
15	CON2	1	Connector	—	—	Connector 2P 2.5		
16	CON3	1	Connector	—	—	Connector 2P 2.5		
17	CON4	0	Connector	—	—	Connector 2P 2.5		✓
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	—	—	Check terminal		
26	VM	1	Check terminal	—	—	Logic pin		

27	45	0	Check terminal	—	—	Check terminal		✓
28	44	0	Check terminal	—	—	Check terminal		✓
29	VREFA	1	Check terminal	—	—	Check terminal		
30	VREFB	1	Check terminal	—	—	Logic pin		
31	OSCM	1	Check terminal	—	—	Check terminal		
32	3	1	Check terminal	—	—	Check terminal		
33	4	1	Check terminal	—	—	Check terminal		
34	5	1	Check terminal	—	—	Check terminal		
35	7	1	Check terminal	—	—	Check terminal		
36	8	1	Check terminal	—	—	Check terminal		
37	9	1	Check terminal	—	—	Check terminal		
38	10	1	Check terminal	—	—	Check terminal		
39	GND1	1	Check terminal	—	—	Logic pin		
40	GND2	1	Check terminal	—	—	Logic pin		
41	GND3	1	Check terminal	—	—	Logic pin		
42	GND4	1	Check terminal	—	—	Logic pin		
43	GND5	1	Check terminal	—	—	Logic pin		
44	GND6	0	Check terminal	—	—	Logic pin		✓
45	GND7	0	Check terminal	—	—	Logic pin		✓
46	JP_VRF1	0	Pin header 2P	—	—	Jumper	2.54mm pitch	✓
47		0	Jump socket	—	—	Short pin	2.54mm pitch	✓
48	JP_VRF2	1	Pin header 2P	—	—	Jumper	2.54mm pitch	
49		1	Jump socket	—	—	Short pin	2.54mm pitch	
50	JP_VCC	1	Pin header 2P	—	—	Jumper	2.54mm pitch	
51		1	Jump socket	—	—	Short pin	2.54mm pitch	
52	R_ID	0	100kΩ 0.25W	—	—	Leaded resistor	2.54mm pitch	✓
53	R_MOUT	0	100kΩ 0.25W	—	—	Leaded resistor	2.54mm pitch	✓
54	R_LO1	0	100kΩ 0.25W	—	—	Leaded resistor	2.54mm pitch	✓
55	R_LO2	0	100kΩ 0.25W	—	—	Leaded resistor	2.54mm pitch	✓
56	R_OSCM	0	Socket pin	—	—	Socket pin		✓
57	R_OSCM1	0	5.1kΩ	—	—	Leaded resistor	2.54mm pitch	✓
58	R_OSCM2	1	5.1kΩ	—	—	Surface-mount resistor	3.2mm×1.6mm	
59	R_VRF1	2	Socket pin	—	—	Socket pin		
60		0	Not mount	—	—	Leaded resistor	2.54mm pitch	✓



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