

RD Number: RD122

RD Title: TB62216FNG Evaluation circuit

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_VCC	1	0.1μF,25V	C1206F104K3RACTU		Chip capacitor	3.2mmX1.6mm	
2	C_VM2	1	0.1μF,25V	C1206F104K3RACTU		Chip capacitor	3.2mmX1.6mm	
3	C_VRFA	0	0.1μF,25V	C1206F104K3RACTU		Chip capacitor	3.2mmX1.6mm	✓
4	C_VRFB	1	0.1μF,25V	C1206F104K3RACTU		Chip capacitor	3.2mmX1.6mm	
5	C_VM1	1	100μF,50V	KMG50VB100M		Electrolytic capacitor	YK,φDXL(mm)=8X11.5	
6	C_VDD	1	10μF,25V	KMG50VB10M		Electrolytic capacitor	φD=8mm	
7	C_OSCM	0		PD-10	Mac8	Socket pin		✓
8	C_OSCM1	0	270pF,25V			Leaded capacitor	2.54mm pitch	✓
9	C_OSCM2	1	270pF,25V	GRM31A7U3A271JW31D		Chip capacitor	3.2mmX1.6mm	
10	C_OAP	0				Chip capacitor	3.2mmX1.6mm	✓
11	C_OAM	0				Chip capacitor	3.2mmX1.6mm	✓
12	C_OBM	0				Chip capacitor	3.2mmX1.6mm	✓
13	C_OBP	0				Chip capacitor	3.2mmX1.6mm	✓
14	CON1	0		DF1BZ-4P-2.5DSA	Hirose Electric	Connector		✓
15	CON2	1		DF1BZ-2P-2.5DSA	Hirose Electric	Connector		
16	CON3	1		DF1BZ-2P-2.5DSA	Hirose Electric	Connector		
17	CON4	0		DF1BZ-2P-2.5DSA	Hirose Electric	Connector		✓
18	OUT_A-	1		ST-1-3	Mac8	Logic pin		
19	OUT_A+	1		ST-1-3	Mac8	Logic pin		
20	OUT_B-	1		ST-1-3	Mac8	Logic pin		
21	OUT_B+	1		ST-1-3	Mac8	Logic pin		
22	RSA	1		LC-22-G	Mac8	Check terminal		
23	RSB	1		LC-22-G	Mac8	Check terminal		
24	VCC	1		LC-22-G	Mac8	Check terminal		
25	VDD	1		LC-22-G	Mac8	Check terminal		
26	VM	1		ST-1-3	Mac8	Logic pin		

27	45		0		LC-22-G	Mac8	Check terminal		✓
28		44	0		LC-22-G	Mac8	Check terminal		✓
29	VREFA		1		LC-22-G	Mac8	Check terminal		
30	VREFB		1		ST-1-3	Mac8	Logic pin		
31	OSCM		1		LC-22-G	Mac8	Check terminal		
32	3		1		LC-22-G	Mac8	Check terminal		
33	4		1		LC-22-G	Mac8	Check terminal		
34	5		1		LC-22-G	Mac8	Check terminal		
35	7		1		LC-22-G	Mac8	Check terminal		
36	8		1		LC-22-G	Mac8	Check terminal		
37	9		1		LC-22-G	Mac8	Check terminal		
38	10		1		LC-22-G	Mac8	Check terminal		
39	GND1		1		ST-1-3	Mac8	Logic pin		
40	GND2		1		ST-1-3	Mac8	Logic pin		
41	GND3		1		ST-1-3	Mac8	Logic pin		
42	GND4		1		ST-1-3	Mac8	Logic pin		
43	GND5		1		ST-1-3	Mac8	Logic pin		
44	GND6		0		ST-1-3	Mac8	Logic pin		✓
45	GND7		0		ST-1-3	Mac8	Logic pin		✓
46	JP_VRF1		0		XJ8B-0911	Omron	Jumper	2.54mm pitch	✓
47			0		2180BBF	HARWIN	Short pin	2.54mm pitch	✓
48	JP_VRF2		1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
49			1		2180BBF	HARWIN	Short pin	2.54mm pitch	
50	JP_VCC		1		XJ8B-0911	Omron	Jumper	2.54mm pitch	
51			1		2180BBF	HARWIN	Short pin	2.54mm pitch	
52	R_ID		0	100kΩ,1/4W	MFS1/4CC1003F		Leaded resistor	2.54mm pitch	✓
53	R_MOUT		0	100kΩ,1/4W	MFS1/4CC1003F		Leaded resistor	2.54mm pitch	✓
54	R_LO1		0	100kΩ,1/4W	MFS1/4CC1003F		Leaded resistor	2.54mm pitch	✓
55	R_LO2		0	100kΩ,1/4W	MFS1/4CC1003F		Leaded resistor	2.54mm pitch	✓
56	R_OSCM		0		PD-10	Mac8	Socket pin		✓
57	R_OSCM1		0	5.1kΩ			Leaded resistor	2.54mm pitch	✓
58	R_OSCM2		1	5.1kΩ	RK73B2BTTD512J		Surface-mount resistor	3.2mm×1.6mm	
59	R_VRF1		2		PD-10	Mac8	Socket pin		
60			0				Leaded resistor	2.54mm pitch	✓



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