

RD Number: RD063

RD Title: TB62269FTG Evaluation Circuit

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_VCC	1	0.1μF,25V			Chip capacitor	3.2mmX1.6mm	
2	C_VM2	1	0.1μF,25V			Chip capacitor	3.2mmX1.6mm	
3	C_VRFA	1	0.1μF,25V			Chip capacitor	3.2mmX1.6mm	
4	C_VRFB	1	0.1μF,25V			Chip capacitor	3.2mmX1.6mm	
5	C_VM1	1	100μF,50V			Electrolytic capacitor	YK,φDXL(mm) =8X11.5	
6	C_VDD	1	10μF,25V			Electrolytic capacitor	φD=8mm	
7	C_OSCM	0		PD-10	Mac8	Socket pin		✓
8	C_OSCM	0	270pF,25V	2.54mm pitch		Leaded capacitor		✓
9	C_OSCM	1	270pF,25V			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	1		DF1BZ-4P-2.5DSA	Hirose Electric	Connector		
15	CON2	0		DF1BZ-2P-2.5DSA	Hirose Electric	Connector		✓
16	CON3	0		DF1BZ-2P-2.5DSA	Hirose Electric	Connector		✓
17	CON4	0		DF1BZ-3P-2.5DSA	Hirose Electric	Connector		✓
18	CON5	0		DF1BZ-3P-2.5DSA	Hirose Electric	Connector		✓
19	OUT_A-	1		ST-1-3	Mac8	Check pin		
20	OUT_A+	1		ST-1-3	Mac8	Check pin		
21	OUT_B-	1		ST-1-3	Mac8	Check pin		
22	OUT_B+	1		ST-1-3	Mac8	Check pin		
23	RSA	1		LC-22-G	Mac8	Check pin		
24	RSB	1		LC-22-G	Mac8	Check pin		
25	VCC	1		LC-22-G	Mac8	Check pin		
26	VDD	1		LC-22-G	Mac8	Check pin		

27	VM	1		ST-1-3	Mac8	Check pin		
28	NC	0		LC-22-G	Mac8	Check pin		✓
29	38	1		LC-22-G	Mac8	Check pin		
30	39	1		LC-22-G	Mac8	Check pin		
31	VREFB	1		LC-22-G	Mac8	Check pin		
32	42	1		ST-1-3	Mac8	Check pin		
33	OSCM	1		LC-22-G	Mac8	Check pin		
34	44	1		LC-22-G	Mac8	Check pin		
35	45	1		LC-22-G	Mac8	Check pin		
36	46	1		LC-22-G	Mac8	Check pin		
37	47	1		LC-22-G	Mac8	Check pin		
38	2	1		LC-22-G	Mac8	Check pin		
39	3	1		LC-22-G	Mac8	Check pin		
40	4	1		LC-22-G	Mac8	Check pin		
41	GND1	1		ST-1-3	Mac8	Check pin		
42	GND2	1		ST-1-3	Mac8	Check pin		
43	GND3	1		ST-1-3	Mac8	Check pin		
44	GND4	1		ST-1-3	Mac8	Check pin		
45	GND5	1		ST-1-3	Mac8	Check pin		
46	GND6	1		ST-1-3	Mac8	Check pin		
47	GND7	1		ST-1-3	Mac8	Check pin		
48	JP_VRF1	1		XJ8B-0911, 2.54mm pitch	Omron	Jumper		
49	JP_VRF1	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
50	JP_VRF2	1		XJ8B-0911, 2.54mm pitch	Omron	Jumper		
51	JP_VRF2	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
52	JP_VCC	1		XJ8B-0911, 2.54mm pitch	Omron	Jumper		
53	JP_VCC	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
54	R_ID	0	100kΩ,1/4W			Leaded resistor	2.54mm pitch	✓
55	R_MOUT	1	100kΩ,1/4W			Leaded resistor	2.54mm pitch	
56	R_LOUT	1	100kΩ,1/4W			Leaded resistor	2.54mm pitch	
57	R_OSCM	0		PD-10	Mac8	Socket pin		✓
58	R_OSCM	0	5.1kΩ	2.54mm pitch		Leaded resistor		✓
59	R_OSCM	1	5.1kΩ	3.2mm×1.6mm		Chip resistor		
60	R_VRF1	2		PD-10	Mac8	Socket pin		

61	R_VRF1	0		2.54mm pitch		Leaded resistor		✓
62	R_VRF2	2		PD-10	Mac8	Socket pin		
63	R_VRF2	0		2.54mm pitch		Leaded resistor		✓
64	R_RSA	1	0.22Ω,1W	5.0mm×2.5mm		Chip resistor		
65	R_RSB	1	0.22Ω,1W	5.0mm×2.5mm		Chip resistor		
66	SW2	0		XJ8B-0311, 2.54mm pitch	Omron	Jumper		✓
67	SW2	0		M7567-05, 2.54mm pitch	HARWIN	Short pin		✓
68	SW3	1		XJ8B-0311, 2.54mm pitch	Omron	Jumper		
69	SW3	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
70	SW4	1		XJ8B-0311, 2.54mm pitch	Omron	Jumper		
71	SW4	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
72	SW39	1		XJ8B-0311, 2.54mm pitch	Omron	Jumper		
73	SW39	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
74	SW42	0		XJ8B-0311, 2.54mm pitch	Omron	Jumper		✓
75	SW42	0		M7567-05, 2.54mm pitch	HARWIN	Short pin		✓
76	SW44	1		XJ8B-0311, 2.54mm pitch	Omron	Jumper		
77	SW44	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
78	SW45	0		XJ8B-0311, 2.54mm pitch	Omron	Jumper		✓
79	SW45	0		M7567-05, 2.54mm pitch	HARWIN	Short pin		✓
80	SW46	1		XJ8B-0311, 2.54mm pitch	Omron	Jumper		
81	SW46	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
82	SW47	1		XJ8B-0311, 2.54mm pitch	Omron	Jumper		
83	SW47	1		M7567-05, 2.54mm pitch	HARWIN	Short pin		
84	IC1	1		TB62269FTG	Toshiba	IC		

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