

RD Number: RD145

RD Title: TB6608FNG Evaluation circuit

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_OSC	1	220pF	C1206C221K1GACTU	KEMET	Chip capacitor		
2	C_VCC1	1	6V 10uF	ESRM160ELL100MD05D		Electrolytic capacitor		
3	C_VCC2	1	0.1uF	GRM319R72A104KA01D		Chip capacitor		
4	C_VM1	1	50V 100uF → 47uF	EKMG500ELL470MF11D		Electrolytic capacitor		
5	C_VM2	1	0.1μF	GRM319R72A104KA01D		Ceramic capacitor		
6	C_VREF	0	0.1μF	GRM319R72A104KA01D		Chip capacitor		✓
7	C_AO1	0	1000pF			Chip capacitor		✓
8	C_AO2	0	1000pF			Chip capacitor		✓
9	C_BO1	0	1000pF			Chip capacitor		✓
10	C_BO2	0	1000pF			Chip capacitor		✓
11	C_TQ	0	0.1μF	GRM319R72A104KA01D		Chip capacitor		✓
12	C_ENABLE	0	0.1μF	GRM319R72A104KA01D		Chip capacitor		✓
13	C_CK	0	0.1μF	GRM319R72A104KA01D		Chip capacitor		✓
14	C_M1	0	0.1μF	GRM319R72A104KA01D		Chip capacitor		✓
15	C_M2	0	0.1μF	GRM319R72A104KA01D		Chip capacitor		✓
16	C_CW/CCW	0	0.1μF	GRM319R72A104KA01D		Chip capacitor		✓
17	R_RFA	1	0.51Ω	RL1632R-R510-F	susumu	Chip resistor		
18	R_RFB	1	0.51Ω	RL1632R-R510-F	susumu	Chip resistor		
19	R_M0	1	100kΩ	RK73B2BTTD104J		Chip resistor		
20	CON1	1		DF1BZ- 4P-2.5DSA	Hirose Electric	Connector		
21	CON2	0		DF1BZ- 2P-2.5DSA	Hirose Electric	Connector		✓
22	CON3	0		DF1BZ- 2P-2.5DSA	Hirose Electric	Connector		✓
23	VM	1		ST-1-3	Mac8	Check pin		
24	VCC	1		ST-1-3	Mac8	Check pin		
25	DCY	2		ST-1-3	Mac8	Check pin		
26	RESET	1		ST-1-3	Mac8	Check pin		

27	/M0	1	ST-1-3	Mac8	Check pin		
28	T0	1	ST-1-3	Mac8	Check pin		
29	ENABLE	1	ST-1-3	Mac8	Check pin		
30	CK	1	ST-1-3	Mac8	Check pin		
31	STBY	1	ST-1-3	Mac8	Check pin		
32	M1	1	ST-1-3	Mac8	Check pin		
33	M2	1	ST-1-3	Mac8	Check pin		
34	CW/CCW	1	ST-1-3	Mac8	Check pin		
35	OSC	1	ST-1-3	Mac8	Check pin		
36	AO1	1	ST-1-3	Mac8	Check pin		
37	AO2	1	ST-1-3	Mac8	Check pin		
38	BO1	1	ST-1-3	Mac8	Check pin		
39	BO2	1	ST-1-3	Mac8	Check pin		
40	RFA	0	ST-1-3	Mac8	Check pin		✓
41	RFB	0	ST-1-3	Mac8	Check pin		✓
42	GND	1	ST-1-3	Mac8	Check pin		
43	GND1	1	ST-1-3	Mac8	Check pin		
44	GND2	1	ST-1-3	Mac8	Check pin		
45	GND3	1	ST-1-3	Mac8	Check pin		
46	GND4	1	ST-1-3	Mac8	Check pin		
47	GND5	1	ST-1-3	Mac8	Check pin		
48	SW14(SELECT)	1	2130S1*3GSE	Linkman	Jumper		
49		1	2180BBA	Linkman	Short pin		
50	SW17(TQ)	1	2130S1*3GSE	Linkman	Jumper		
51		1	2180BBA	Linkman	Short pin		
52	SW19(ENABLE)	1	2130S1*3GSE	Linkman	Jumper		
53		1	2180BBA	Linkman	Short pin		
54		0	2130S1*3GSE	Linkman	Jumper		✓
55		0	2180BBA	Linkman	Short pin		✓
56	SW2(/STBY)	1	2130S1*3GSE	Linkman	Jumper		
57		1	2180BBA	Linkman	Short pin		
58	SW4(M1)	1	2130S1*3GSE	Linkman	Jumper		
59		1	2180BBA	Linkman	Short pin		
60	SW5(M2)	1	2130S1*3GSE	Linkman	Jumper		

61		1		2180BBA	Linkman	Short pin		
62	SW7(CW/CCW)	1		2130S1*3GSE	Linkman	Jumper		
63		1		2180BBA	Linkman	Short pin		
64	SW18(DCY)	0		2130S1*3GSE	Linkman	Jumper		✓
65		0		2180BBA	Linkman	Short pin		✓
66	JP_VCC	1		2130S1*2GSE	Linkman	Jumper		
67		1		2180BBA	Linkman	Short pin		
68	IC	1		TB6608FNG	TOSHIBA	IC		
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