

RD Number: RD123

RD Title: TB67S209FTG Evaluation circuit

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_VCC	1	0.1μF	GRM319R72A104KA01D		Capacitor		
2	C_VM2	1	0.1μF	GRM319R72A104KA01D		Capacitor		
3	C_VRFA	0	0.1μF	GRM319R72A104KA01D		Capacitor		✓
4	C_VRFB	1	0.1μF	GRM319R72A104KA01D		Capacitor		
5	C_VM1	1	100μF	EKMG500ELL101MHB5D	NIPPON CHEMI-CON	Electrolytic capacitor		
6	C_VDD	1	10μF	EKMG250ELL101ME11D	NIPPON CHEMI-CON	Electrolytic capacitor		
7	C_OSCM	0		PD-10	Mac8	socket pin		✓
8		0	270pF			Leaded capacitor		✓
9		1	270pF	GRM31A7U3A271JW31D		Capacitor		
10	C_OAP	0				Capacitor		✓
11	C_OAM	0				Capacitor		✓
12	C_OBM	0				Capacitor		✓
13	C_OBP	0				Capacitor		✓
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	Logic pin		
20	OUT_A+	1		ST-1-3	Mac8	Logic pin		
21	OUT_B-	1		ST-1-3	Mac8	Logic pin		
22	OUT_B+	1		ST-1-3	Mac8	Logic pin		
23	RSA	1		LC-22-G	Mac8	Check terminal		
24	RSB	1		LC-22-G	Mac8	Check terminal		
25	VCC	1		LC-22-G	Mac8	Check terminal		
26	VDD	1		LC-22-G	Mac8	Check terminal		

27	VM	1		ST-1-3	Mac8	Logic pin		
28	LO	1		LC-22-G	Mac8	Check terminal		
29	DMODE0	1		LC-22-G	Mac8	Check terminal		
30	VREF	1		LC-22-G	Mac8	Check terminal		
31	SMD0	1		ST-1-3	Mac8	Logic pin		
32	SMD1	1		ST-1-3	Mac8	Logic pin		
33	OSCM	1		LC-22-G	Mac8	Check terminal		
34	CW/CCW	1		LC-22-G	Mac8	Check terminal		
35	MO	1		LC-22-G	Mac8	Check terminal		
36	DMODE1	1		LC-22-G	Mac8	Check terminal		
37	DMODE2	1		LC-22-G	Mac8	Check terminal		
38	CLK	1		LC-22-G	Mac8	Check terminal		
39	ENABLE	1		LC-22-G	Mac8	Check terminal		
40	RESET	1		LC-22-G	Mac8	Check terminal		
41	GND1	1		ST-1-3	Mac8	Logic pin		
42	GND2	1		ST-1-3	Mac8	Logic pin		
43	GND3	1		ST-1-3	Mac8	Logic pin		
44	GND4	1		ST-1-3	Mac8	Logic pin		
45	GND5	1		ST-1-3	Mac8	Logic pin		
46	GND6	1		ST-1-3	Mac8	Logic pin		
47	GND7	1		ST-1-3	Mac8	Logic pin		
48	JP_VRF1	0		2130S1*2GSE	Linkman	Jumper		✓
49		0		2180BBA	Linkman	Short pin		✓
50	JP_VRF2	1		2130S1*2GSE	Linkman	Jumper		
51		1		2180BBA	Linkman	Short pin		
52	JP_VCC	1		2130S1*2GSE	Linkman	Jumper		
53		1		2180BBA	Linkman	Short pin		
54	R_ID	0	100kΩ	MFS1/4CC104F	KOA	Leaded resistor		✓
55	R_MOUT	1	100kΩ	MFS1/4CC104F	KOA	Leaded resistor		
56	R_LOUT	1	100kΩ	MFS1/4CC104F	KOA	Leaded resistor		
57	R_OSCM	0		PD-10	Mac8	socket pin		✓
58	R_OSCM	0	5.1kΩ			Leaded resistor		✓
59	R_OSCM	1	5.1kΩ	RK73B2BTTD512J		Chip resistor		
60	R_VRF1	2		PD-10	Mac8	socket pin		

61		0				Leaded resistor		✓
62	R_VRF2	2		PD-10	Mac8	socket pin		
63		0				Leaded resistor		✓
64	R_RSA	1	0.22Ω	ERJ-1TRQFR22U		Chip resistor		
65	R_RSB	1	0.22Ω	ERJ-1TRQFR22U		Chip resistor		
66	CLK	0	-	2130S1*3GSE	Linkman	Jumper		✓
67		0		2180BBA	Linkman	Short pin		✓
68	ENABLE	1		2130S1*3GSE	Linkman	Jumper		
69		1		2180BBA	Linkman	Short pin		
70	RESET	1		2130S1*3GSE	Linkman	Jumper		
71		1		2180BBA	Linkman	Short pin		
72	SMD0	1		2130S1*3GSE	Linkman	Jumper		
73		1		2180BBA	Linkman	Short pin		
74	DMODE0	1		2130S1*3GSE	Linkman	Jumper		
75		1		2180BBA	Linkman	Short pin		
76	SMD1	1		2130S1*3GSE	Linkman	Jumper		
77		1		2180BBA	Linkman	Short pin		
78	CW/CCW	1		2130S1*3GSE	Linkman	Jumper		
79		1		2180BBA	Linkman	Short pin		
80	MO	0		2130S1*3GSE	Linkman	Jumper		✓
81		0		2180BBA	Linkman	Short pin		✓
82	DMODE1	1		2130S1*3GSE	Linkman	Jumper		
83		1		2180BBA	Linkman	Short pin		
84	DMODE2	1		2130S1*3GSE	Linkman	Jumper		
85		1		2180BBA	Linkman	Short pin		
86	IC1	1		TB67S209FTG	toshiba			
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