

RD Number: RD067

RD Title: TB67H400AFNG 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,φ DXL(mm)=8X11.5	
6	C_VDD	0	10μF,25V	KMG50VB10M		Electrolytic capacitor	φD=8mm	
7	C_OSCM	0		PD-10	Mac8	Socket pin		✓
8	C_OSCM1	0	270pF,25V			Leaded Capactor	2.54mmピッチ	✓
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	0		LC-22-G-7カ	Mac8	Check pin		
23	RSB	0		LC-22-G-7カ	Mac8	Check pin		
24	VCC	1		LC-22-G-7カ	Mac8	Check pin		
25	VDD	1		LC-22-G-7カ	Mac8	Check pin		

26	VM	1		ST-1-3	Mac8	Logic Pin		
27	NC	0		LC-22-G-7カ	Mac8	Check pin		✓
28	NC	0		LC-22-G-7カ	Mac8	Check pin		✓
29	VREFA	1		LC-22-G-7カ	Mac8	Check pin		
30	VREFB	1		ST-1-3	Mac8	Logic Pin		
31	OSCM	1		LC-22-G-7カ	Mac8	Check pin		
32	3	1		LC-22-G-7カ	Mac8	Check pin		
33	4	1		LC-22-G-7カ	Mac8	Check pin		
34	5	1		LC-22-G-7カ	Mac8	Check pin		
35	7	1		LC-22-G-7カ	Mac8	Check pin		
36	8	1		LC-22-G-7カ	Mac8	Check pin		
37	9	1		LC-22-G-7カ	Mac8	Check pin		
38	10	1		LC-22-G-7カ	Mac8	Check pin		
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	1		ST-1-3	Mac8	Logic Pin		✓
45	GND7	1		ST-1-3	Mac8	Logic Pin		✓
46	JP_VRF1	1		XJ8B-091	Omron	Jumper	2.54mm pitch	✓
47		1		M7567-05	HARWIN	Short Jumper	2.54mm pitch	✓
48	JP_VRF2	1		XJ8B-091	Omron	Jumper	2.54mm pitch	
49		1		M7567-05	HARWIN	Short Jumper	2.54mm pitch	
50	JP_VCC	1		XJ8B-091	Omron	Jumper	2.54mm pitch	
51		1		M7567-05	HARWIN	Short Jumper	2.54mm pitch	
52	R_LO1	0	100kΩ,1/4W	MFS1/4CC1003F		Leaded Resistor	2.54mm pitch	✓
53	R_LO2	0	100kΩ,1/4W	MFS1/4CC1003F		Leaded Resistor	2.54mm pitch	✓
54	R_ID	0	100kΩ,1/4W	MFS1/4CC1003F		Leaded Resistor	2.54mm pitch	✓
55	R_M0_OUT	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		Chip resistor	3.2mm×1.6mm	
59	R_VRF1	0		PD-10	Mac8	Socket pin		

60		0				Leaded Resistor	2.54mm pitch	✓
61	R_VRF2	0		PD-10	Mac8	Socket pin		
62		0				Leaded Resistor	2.54mm pitch	✓
63	R_RSA	1	0.22Ω,0.5W	ERJ-12ZQJR22U		Chip resistor	5.0mm×2.5mm	
64	R_RSB	1	0.22Ω,0.5W	ERJ-12ZQJR22U		Chip resistor	5.0mm×2.5mm	
65	R_SC1	0	0Ω			Chip resistor	5.0mm×2.5mm	✓
66	R_SC2	0	0Ω			Chip resistor	5.0mm×2.5mm	✓
67	SW45	0		XJ8B-091	Omron	Jumper	2.54mm pitch	✓
68		0		M7567-05	HARWIN	Short Jumper	2.54mm pitch	✓
69	SW48	1		XJ8B-091	Omron	Jumper	2.54mm pitch	
70		1		M7567-05	HARWIN	Short Jumper	2.54mm pitch	
71	SW3	1		XJ8B-091	Omron	Jumper	2.54mm pitch	
72		1		M7567-05	HARWIN	Short Jumper	2.54mm pitch	
73	SW4	0		XJ8B-091	Omron	Jumper	2.54mm pitch	✓
74		0		M7567-05	HARWIN	Short Jumper	2.54mm pitch	✓
75	SW5	0		XJ8B-091	Omron	Jumper	2.54mm pitch	✓
76		0		M7567-05	HARWIN	Short Jumper	2.54mm pitch	✓
77	SW7	0		XJ8B-091	Omron	Jumper	2.54mm pitch	✓
78		0		M7567-05	HARWIN	Short Jumper	2.54mm pitch	✓
79	SW8	1		XJ8B-091	Omron	Jumper	2.54mm pitch	
80		1		M7567-05	HARWIN	Short Jumper	2.54mm pitch	
81	SW9	1		XJ8B-091	Omron	Jumper	2.54mm pitch	
82		1		M7567-05	HARWIN	Short Jumper	2.54mm pitch	
83	SW10	1		XJ8B-091	Omron	Jumper	2.54mm pitch	
84		1		M7567-05	HARWIN	Short Jumper	2.54mm pitch	
85	IC1	1		TBB67H400AFNG	TOSHIBA	IC		
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