

RD Number: RD125

RD Title: TC78B015AFTG Evaluation circuit BOM

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	R1	1	27kΩ 0.25W	—	—	Leaded resistor		
2	R2	2	Socket pin	—	—	Socket pin		
3		1	Socket + 39kΩ 0.25W	—	—	Leaded resistor		
4	R3	2	Socket pin	—	—	Socket pin		
5		1	Socket + 10kΩ 0.25W	—	—	Leaded resistor		
6	R4	2	Socket pin	—	—	Socket pin		
7		1	Socket + 10kΩ 0.25W	—	—	Leaded resistor		
8	R5	0	Not mount	—	—	Resistor		✓
9	R6	0	Not mount	—	—	Resistor		✓
10		2	Socket pin	—	—	Socket pin		
11		1	0Ω	—	—	Resistor		
12	R7	0	Not mount	—	—	Resistor		✓
13	R8	0	Not mount	—	—	Resistor		✓
14	R9	0	Not mount	—	—	Resistor		✓
15	R10	0	Not mount	—	—	Resistor		✓
16	R13	0	Not mount	—	—	Resistor		✓
17	R14	0	Not mount	—	—	Resistor		✓
18	R17	0	Not mount	—	—	Resistor		✓
19	R18	0	Not mount	—	—	Resistor		✓
20	R21	0	Not mount	—	—	Resistor		✓
21	R22	0	Not mount	—	—	Resistor		✓
22	R23	0	Not mount	—	—	Resistor		✓
23	R24	0	Not mount	—	—	Resistor		✓
24	R25	0	Not mount	—	—	Resistor		✓
25	R26	0	Not mount	—	—	Resistor		✓
26	R27	0	Not mount	—	—	Resistor		✓

27	R28	0	Not mount	—	—	Resistor		✓
28	R36	0	Not mount	—	—	Resistor		✓
29	R37	0	Not mount	—	—	Resistor		✓
30	R38	0	Not mount	—	—	Resistor		✓
31	R39	0	Not mount	—	—	Resistor		✓
32	C1	1	360pF 50V	—	—	Capacitor		
33	C2	1	0.1μF 50V	—	—	Capacitor		
34	C3	1	0.01μF 50V	—	—	Capacitor		
35		2	Socket pin	—	—	Socket pin		
36	C4	1	0.01μF 50V	—	—	Capacitor		
37	C7	1	0.1μF 50V	—	—	Capacitor		
38	C8	1	10μF 50V	—	—	Electrolytic capacitor		
39	C9	0	Not mount	—	—	Capacitor		✓
40	C10	0	Not mount	—	—	Capacitor		✓
41	C11	0	Not mount	—	—	Capacitor		✓
42	C12	0	Not mount	—	—	Capacitor		✓
43	C13	0	Not mount	—	—	Capacitor		✓
44	C15	0	Not mount	—	—	Capacitor		✓
45	C17	0	Not mount	—	—	Capacitor		✓
46	C18	0	Not mount	—	—	Capacitor		✓
47	C19	0	Not mount	—	—	Capacitor		✓
48	C20	0	Not mount	—	—	Capacitor		✓
49	C25	0	Not mount	—	—	Capacitor		✓
50	C26	1	Socket + 10kΩ 0.25W	—	—	Leaded resistor		
51		2	Socket pin	—	—	Socket pin		
52	JP1	1	Pin header 2P	—	—	Jumper		
53		1	Jumper socket	—	—	Short pin		
54	JP2	1	Pin header 2P	—	—	Jumper		
55		1	Jumper socket	—	—	Short pin		
56	JP3	1	Pin header 2P	—	—	Jumper		
57		0	Jumper socket	—	—	Short pin		✓
58	JP4	1	Pin header 2P	—	—	Jumper		
59		0	Jumper socket	—	—	Short pin		✓
60	JP5	1	Pin header 2P	—	—	Jumper		

61		0	Jumper socket	–	–	Short pin		✓
62	JP6	1	Pin header 2P	–	–	Jumper		
63		0	Jumper socket	–	–	Short pin		✓
64	JP7	1	Pin header 2P	–	–	Jumper		
65		0	Jumper socket	–	–	Short pin		✓
66	JP8	1	Pin header 2P	–	–	Jumper		
67		1	Jumper socket	–	–	Short pin		
68	JP9	1	Pin header 2P	–	–	Jumper		
69		0	Jumper socket	–	–	Short pin		✓
70	JP10	1	Pin header 2P	–	–	Jumper		
71		0	Jumper socket	–	–	Short pin		✓
72	JP11	1	Pin header 2P	–	–	Jumper		
73		0	Jumper socket	–	–	Short pin		✓
74	JP12	1	Pin header 2P	–	–	Jumper		
75		1	Jumper socket	–	–	Short pin		
76	JP13	1	Pin header 2P	–	–	Jumper		
77		1	Jumper socket	–	–	Short pin		
78	JP14	1	Pin header 2P	–	–	Jumper		
79		0	Jumper socket	–	–	Short pin		✓
80	JP15	1	Pin header 2P	–	–	Jumper		
81		0	Jumper socket	–	–	Short pin		✓
82	JP16	1	Pin header 2P	–	–	Jumper		
83		0	Jumper socket	–	–	Short pin		✓
84	JP19	1	Pin header 2P	–	–	Jumper		
85		1	Jumper socket	–	–	Short pin		
86	JP20	1	Pin header 2P	–	–	Jumper		
87		1	Jumper socket	–	–	Short pin		
88	JP21	1	Pin header 2P	–	–	Jumper		
89		0	Jumper socket	–	–	Short pin		✓
90	JP22	1	Pin header 2P	–	–	Jumper		
91		0	Jumper socket	–	–	Short pin		✓
92	JP23	1	Pin header 2P	–	–	Jumper		
93		0	Jumper socket	–	–	Short pin		✓
94	SW1	1	Toggle switch	–	–	3P toggle switch		

95	SW2	1	Toggle switch	—	—	3P toggle switch		
96	SW3	1	Toggle switch	—	—	3P toggle switch		
97	SW4	1	Toggle switch	—	—	3P toggle switch		
98	SW6	1	Toggle switch	—	—	3P toggle switch		
99	VR1(VST)	1	50k $\Omega$ 0.5W	—	—	Variable resistor		
100	VR2(LA)	1	50k $\Omega$ 0.5W	—	—	Variable resistor		
101	VR3(MVM)	0	Not mount	—	—	Variable resistor		✓
102		0	Socket pin	—	—	Socket pin		✓
103		0	0 $\Omega$	—	—	0 $\Omega$ resistor		✓
104	VR4(TST/VSP)	0	Not mount	—	—	Variable resistor		✓
105		2	Socket pin	—	—	Socket pin		
106		1	0 $\Omega$	—	—	0 $\Omega$ resistor		
107	HUP	1	Check terminal	—	—	Logic pin		
108	HUM	1	Check terminal	—	—	Logic pin		
109	HUP1	1	Check terminal	—	—	Logic pin		
110	HUM1	1	Check terminal	—	—	Logic pin		
111	VREG	1	Check terminal	—	—	Logic pin		
112	SGND	7	Check terminal	—	—	Logic pin		
113	U	1	Check terminal	—	—	Logic pin		
114	V	1	Check terminal	—	—	Logic pin		
115	W	1	Check terminal	—	—	Logic pin		
116	FG_OUT	1	Check terminal	—	—	Logic pin		
117	LD_OUT	1	Check terminal	—	—	Logic pin		
118	VM	1	Check terminal	—	—	Logic pin		
119	PGND	1	Check terminal	—	—	Logic pin		
120	TST/VSP	1	Check terminal	—	—	Logic pin		
121	VST	1	Check terminal	—	—	Logic pin		
122	FST	1	Check terminal	—	—	Logic pin		
123	MVM	1	Check terminal	—	—	Logic pin		
124	LA	1	Check terminal	—	—	Logic pin		
125	SEL_FG	1	Check terminal	—	—	Logic pin		
126	CW/CCW	1	Check terminal	—	—	Logic pin		
127	BRAKE	1	Check terminal	—	—	Logic pin		
128	SEL_LD	1	Check terminal	—	—	Logic pin		



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