

RD Number: RD132

RD Title: TB6600FG Evaluation circuit BOM

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	C_VREG	1	0.1μF 25V	—	—	Chip capacitor		
2	C_VCC2	1	0.1μF 50V	—	—	Chip capacitor		
3	C_VRF	1	0.1μF 25V	—	—	Chip capacitor		
4	C_VCC1	1	100μF 50V	—	—	Electrolytic capacitor		
5	C_VDD	0	10μF 25V	—	—	Electrolytic capacitor		✓
6	C_O2B	0	Not mount	—	—	Chip capacitor		✓
7	C_O1B	0	Not mount	—	—	Chip capacitor		✓
8	C_O2A	0	Not mount	—	—	Chip capacitor		✓
9	C_O1A	0	Not mount	—	—	Chip capacitor		✓
10	CON1	1	Connector	—	—	Connector 4P 2.5		
11	OUT2B	1	Check terminal	—	—	Logic pin		
12	OUT1B	1	Check terminal	—	—	Logic pin		
13	OUT2A	1	Check terminal	—	—	Logic pin		
14	OUT1A	1	Check terminal	—	—	Logic pin		
15	NFA	0	Check terminal	—	—	Logic pin		✓
16	NFB	0	Check terminal	—	—	Logic pin		✓
17	VREG	1	Check terminal	—	—	Logic pin		
18	VDD	1	Check terminal	—	—	Logic pin		
19	VCC	1	Check terminal	—	—	Logic pin		
20	ALERT	1	Check terminal	—	—	Logic pin		
21	TQ	1	Check terminal	—	—	Logic pin		
22	Latch/Auto	1	Check terminal	—	—	Logic pin		
23	VREF	1	Check terminal	—	—	Logic pin		
24	M1	1	Check terminal	—	—	Logic pin		
25	M2	1	Check terminal	—	—	Logic pin		
26	M3	1	Check terminal	—	—	Logic pin		

27	ENABLE	1	Check terminal	—	—	Logic pin		
28	RESET	1	Check terminal	—	—	Logic pin		
29	CLK	1	Check terminal	—	—	Logic pin		
30	CW/CCW	1	Check terminal	—	—	Logic pin		
31	OSC	1	Check terminal	—	—	Logic pin		
32	MO	1	Check terminal	—	—	Logic pin		
33	GND1	1	Check terminal	—	—	Logic pin		
34	GND2	1	Check terminal	—	—	Logic pin		
35	GND3	1	Check terminal	—	—	Logic pin		
36	GND4	1	Check terminal	—	—	Logic pin		
37	GND5	1	Check terminal	—	—	Logic pin		
38	GND6	1	Check terminal	—	—	Logic pin		
39	GND7	1	Check terminal	—	—	Logic pin		
40	JP_VREG	1	Pin header 2P	—	—	Jumper	2.54mm pitch	
41		1	Jump socket	—	—	Short pin	2.54mm pitch	
42	R_ALERT	1	100k Ω 0.25W	—	—	Leaded resistor	2.54mm pitch	
43	R_MO	1	100k Ω 0.25W	—	—	Leaded resistor	2.54mm pitch	
44	R_OSC	2	Socket pin	—	—	Socket pin		
45		1	51k Ω 0.25W	—	—	Leaded resistor	2.54mm pitch	
46		0	51k Ω 0.25W	—	—	Chip resistor	3.2mm \times 1.6mm	✓
47	R_VRF1	2	Socket pin	—	—	Socket pin		
48		0	Not mount	—	—	Leaded resistor	2.54mm pitch	✓
49	R_VRF2	2	Socket pin	—	—	Socket pin		
50		0	Not mount	—	—	Leaded resistor	2.54mm pitch	✓
51	RRSA	1	0.22 Ω 1W	—	—	Chip resistor	5.0mm \times 2.5mm	
52		0	0.22 Ω 1W	—	—	Leaded resistor	2.54mm pitch	✓
53	RRSB	1	0.22 Ω 1W	—	—	Chip resistor	5.0mm \times 2.5mm	
54		0	0.22 Ω 1W	—	—	Leaded resistor	2.54mm pitch	✓
55	SW TQ	1	Pin header 3P	—	—	Jumper	2.54mm pitch	
56		1	Jump socket	—	—	Short pin	2.54mm pitch	
57	SW Latch/Auto	1	Pin header 3P	—	—	Jumper	2.54mm pitch	
58		1	Jump socket	—	—	Short pin	2.54mm pitch	
59	SW M1	1	Pin header 3P	—	—	Jumper	2.54mm pitch	
60		1	Jump socket	—	—	Short pin	2.54mm pitch	

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