TOSHIBA

RD Number: RD078

RD Title: TB6569FTG Evaluation circuit BOM

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	IC1	1	TB6569FTG	TB6569FTG	TOSHIBA	Motor driver IC	QFN32	
2	OUT1	1	Check terminal	_	_	Check terminal for logic		
3	R1	0	Not mount	_	_	Leaded resistor		✓
4	C3	0	Not mount	_	_	Leaded capacitor		✓
5	CON	1	Connector	_	_	CONN HEADER VERT 4POS		
6	RSGND	1	Check terminal	_	_	Check terminal for oscilloscope		
7	R2	1	0Ω	_	_	Chip resistor	5.0mm×2.5mm	
8	OUT2	1	Check terminal	_	_	Check terminal for logic		
9	VM	1	Check terminal	_	_	Check terminal for logic		
10	C1	1	100μF 50V	_	_	Electrolytic capacitor		
11	C2	1	0.1µF 50V	_	_	Chip capacitor	3.2mm×1.6mm	
12	VISD/VREG	0	Check terminal	_	_	Check terminal for oscilloscope		√
13	R4/C5	0	10kΩ 0.25W	_	_	Chip resistor	3.2mm×1.6mm	✓
14	R4/C5	1	10kΩ 0.25W	_	_	Leaded resistor		
15	R4/C5	0	0.1µF 25V	_	_	Chip capacitor	3.2mm×1.6mm	√
16	R4/C5	0	0.1µF 25V	_	_	Leaded capacitor		✓
17	JP_VREG	0	Pin header 2P	_	_	Single row plugs		✓
18	JP_VREG	0	Jump socket	_	_	Position Shunt Connector		✓
19	TISD	0	Check terminal	_	_	Check terminal for oscilloscope		✓
20	R3	0	5kΩ 0.25W	_	_	Chip resistor	3.2mm×1.6mm	✓
21	R3	1	5kΩ 0.25W	_	_	Leaded resistor		
22	PWM	1	Check terminal		_	Check terminal for oscilloscope		_
23	SW_PWM	0	Toggle Switch	_	_	SPDT Toggle Switch		√
24	SW_PWM	1	Pin header 3P	_	_	Single row plugs		
25	SW_PWM	1	Jump socket		_	Position Shunt Connector		

26	VREF	0	Check terminal	_	_	Check terminal for logic		✓
27	JP_VREF	1	Pin header 2P	_	_	Single row plugs		
28	JP_VREF	1	Jump socket	_	_	Position Shunt Connector		
29	R6	0	Not mount	_	_	Chip resistor	3.2mm×1.6mm	✓
30	R6	0	Not mount	_	_	Leaded resistor		✓
31	R7	0	Not mount	_	_	Chip resistor	3.2mm×1.6mm	✓
32	R7	0	Not mount	_	_	Leaded resistor		✓
33	ALERT	1	Check terminal	_	_	Check terminal for oscilloscope		
34	R5	1	100kΩ 0.25W	_	_	Leaded resistor		
35	C4/R8(OSC)	0	Not mount	_	_	Chip capacitor	3.2mm×1.6mm	✓
36	C4/R8(OSC)	1	0Ω	_	_	Chip resistor	3.2mm×1.6mm	
37	IN1	1	Check terminal	_	_	Check terminal for oscilloscope		
38	SW_IN1	0	Toggle Switch	_	_	SPDT Toggle Switch		✓
39	SW_IN1	1	Pin header 3P	_	_	Single row plugs		
40	SW_IN1	1	Jump socket	_	_	Position Shunt Connector		
41	GND(SGND)	5	Check terminal	_	_	Check terminal for logic		
42	IN2	1	Check terminal	_	_	Check terminal for oscilloscope		
43	SW_IN2	0	Toggle Switch	_	_	SPDT Toggle Switch		✓
44	SW_IN2	1	Pin header 3P	_	_	Single row plugs		
45	SW_IN2	1	Jump socket	_	_	Position Shunt Connector		
46	VDD	1	Check terminal	_	_	Check terminal for logic		
47	C6	0	10μF 25V	_	_	Electrolytic capacitor		✓
48	C7	1	0.1μF 25V	_	_	Chip capacitor	3.2mm×1.6mm	

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