

RD Number: RD083

RD Title: TB67H301FTG Evaluation circuit

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	IC1	1		TB67H301FTG	TOSHIBA			
2	IN1	1		LC-22-G	Mac-Eight	Check terminal for oscilloscope		
3	SW_IN1	0		ATE1E-2J3-10	Nidec Copal Elec.	SPDT Toggle Switch		✓
4	SW_IN1	1		XJ8B-0311	OMRON	Single row plugs		
5	SW_IN1	1		M7567-05	Harwin Inc.	Position Shunt Connector		
6	IN2	1		LC-22-G	Mac-Eight	Check terminal for oscilloscope		
7	SW_IN2	0		ATE1E-2J3-10	Nidec Copal Elec.	SPDT Toggle Switch		✓
8	SW_IN2	1		XJ8B-0311	OMRON	Single row plugs		
9	SW_IN2	1		M7567-05	Harwin Inc.	Position Shunt Connector		
10	STBY	1		LC-22-G	Mac-Eight	Check terminal for oscilloscope		
11	SW_STBY	0		ATE1E-2J3-10	Nidec Copal Elec.	SPDT Toggle Switch		✓
12	SW_STBY	1		XJ8B-0311	OMRON	Single row plugs		
13	SW_STBY	1		M7567-05	Harwin Inc.	Position Shunt Connector		
14	NISD	0		LC-22-G	Mac-Eight	Check terminal for oscilloscope		✓
15	R6	0		Chip resistor			3.2mm×1.6mm	✓
16	R6	1	30kΩ	Leaded resistor				
17	R7	0		Chip resistor			3.2mm×1.6mm	✓
18	R7	1	20kΩ	Leaded resistor				
19	PISD	0		LC-22-G	Mac-Eight	Check terminal for oscilloscope		✓
20	R4	0		Chip resistor			3.2mm×1.6mm	✓
21	R4	0		Leaded resistor				✓
22	R5	0		Chip resistor			3.2mm×1.6mm	✓
23	R5	0		Leaded resistor				✓
24	JP_ISD	1		XJ8B-0211	OMRON	Single row plugs		
25	JP_ISD	1		M7567-05	Harwin Inc.	Position Shunt Connector		
26	R3	0	24kΩ	Chip resistor			3.2mm×1.6mm	✓

27	R3	0	24k Ω	Leaded resistor				✓
28	VCC	1		ST-1-3	Mac-Eight	Check terminal for logic		
29	C3	1	10 μ F,25V	Electrolytic capacitor				
30	C4	1	0.1 μ F,25V	Chip capacitor			3.2mm \times 1.6mm	
31	VM	1		ST-1-3	Mac-Eight	Check terminal for logic		
32	C1	1	100 μ F,50V	Electrolytic capacitor				
33	C2	1	0.1 μ F,25V	Chip capacitor			3.2mm \times 1.6mm	
34	TOFF	0		LC-22-G	Mac-Eight	Check terminal for oscilloscope		✓
35	C8/R11	0		Chip capacitor			3.2mm \times 1.6mm	✓
36	C8/R11	0		Lead capacitor				✓
37	C8/R11	1	0 Ω	Chip resistor			3.2mm \times 1.6mm	
38	C8/R11	0	0 Ω	Leaded resistor				✓
39	OUT2	1		ST-1-3	Mac-Eight	Check terminal for logic		
40	GND(SGND/PGND)	5		ST-1-3	Mac-Eight	Check terminal for logic		
41	RSGND	1		LC-22-G	Mac-Eight	Check terminal for oscilloscope		
42	R2	1	0 Ω	Chip resistor			5.0mm \times 2.5mm	
43	OUT1	1		ST-1-3	Mac-Eight	Check terminal for logic		
44	R1	0		Leaded resistor			3.2mm \times 1.6mm	✓
45	C5	0		Lead capacitor			3.2mm \times 1.6mm	✓
46	CON	1		DF1BZ-4P-2.5DSA	Hirose Elec	CONN HEADER VERT 4POS		
47	TON	0		LC-22-G	Mac-Eight	Check terminal for oscilloscope		✓
48	C7	1	470pF	Chip capacitor			3.2mm \times 1.6mm	
49	C7	0		Lead capacitor				✓
50	ALERT	1		LC-22-G	Mac-Eight	Check terminal for oscilloscope		
51	R10	0	100k Ω , 1/4W	Chip resistor			3.2mm \times 1.6mm	✓
52	R10	1	100k Ω , 1/4W	Leaded resistor				
53	VREF	1		LC-22-G	Mac-Eight	Check terminal for oscilloscope		
54	C6	1	0.1 μ F	Chip capacitor			3.2mm \times 1.6mm	
55	R8	0		Chip resistor			3.2mm \times 1.6mm	✓
56	R8	0		Leaded resistor				✓
57	R9	0		Chip resistor			3.2mm \times 1.6mm	✓
58	R9	0		Leaded resistor				✓
59	JP_VREF	1		XJ8B-0311	OMRON	Single row plugs		
60	JP_VREF	1		M7567-05	Harwin Inc.	Position Shunt Connector		

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