TOSHIBA

RD Number: RD054

RD Title: TB67H420FTG Evaluation circuit

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	CVM1	1	100µF	UHE1H101MPD		Electrolytic capacitor		
2	CVM2	1	0.1µF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	
3	CVCC	1	0.1µF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	
4	CVFA	1	0.1µF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	
5	CVFB	1	0.1µF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	
6	C13	0	1000pF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	✓
7	C17	0	1000pF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	✓
8	C19	0	1000pF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	✓
9	C23	0	1000pF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	✓
10	COSCM	1	270pF	C3216+TH0.9-P6.8		Chip capacitor	3.2mmX1.6mm	
11	ROSCM	1	5.1kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	
12	RMO	0	10kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	✓
13	RLO1	1	10kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	
14	RLO2	1	10kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	
15	RVF1	1	20kΩ,1/8W	Leaded resistor		Leaded resistor		
16	RVF2	1	10kΩ,1/8W	Leaded resistor		Leaded resistor		
17	RVF3	1	10kΩ,1/8W	Leaded resistor		Leaded resistor		
18	RVF1	2	-	PD-10		Socket pin		
19	RVF2	2	-	PD-10		Socket pin		
20	RVF3	2	-	PD-10		Socket pin		
21	RLTH	0	100kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	✓
22	RCLIM11	0	100kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	✓
23	RCLIM12	0	100kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	✓
24	RFLIM1	0	100kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	✓
25	RFLIM2	0	100kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	✓
26	RBOOST1	0	100kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	✓

#	Reference	Qty	Value	Part Number	Manufacturer	Description	Size	✓
27	RBOOST2	0	100kΩ	C3216+TH0.9-P6.8		Chip resistor	3.2mmX1.6mm	✓
28	CNSRI	0	-	DF1BZ-3P-2.5DSA	Hirose Electric	Connector		✓
29	CNSRO	0	-	DF1BZ-3P-2.5DSA	Hirose Electric	Connector		✓
30	CNMT	1	-	DF1BZ-4P-2.5DSA	Hirose Electric	Connector		
31	SW_39	1	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		
32	SW_40	1	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		
33	SW_41	1	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		
34	SW_42	1	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		
35	SW_43	1	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		
36	SW_44	1	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		
37	SW_45	0	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		✓
38	SW_AGC0	1	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		
39	SW_AGC1	1	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		
40	SW_CLIM0	0	-	ATE1E-2M3-10-Z	Copal Electronics	Toggle Switches		✓
41	SW_CLIM1	0		S-2150	Copal Electronics	Rotary Switch		✓
42	SW_FLIM	0		S-2150	Copal Electronics	Rotary Switch		✓
43	SW_BOOST	0		S-2150	Copal Electronics	Rotary Switch		✓
44	DO	0	-	ST-1-3	Mac8	Check pin		✓
45	CO	0	-	ST-1-3	Mac8	Check pin		✓
46	LO	0	-	ST-1-3	Mac8	Check pin		✓
47	VREFA	1	-	ST-1-3	Mac8	Check pin		
48	VREFB	1	-	ST-1-3	Mac8	Check pin		
49	SVF	1	-	ST-1-3	Mac8	Check pin		
50	39	1	-	ST-1-3	Mac8	Check pin		
51	40	1	-	ST-1-3	Mac8	Check pin		
52	41	1	-	ST-1-3	Mac8	Check pin		
53	42	1	-	ST-1-3	Mac8	Check pin		
54	43	1	-	ST-1-3	Mac8	Check pin		
55	44	1	-	ST-1-3	Mac8	Check pin		
56	45	0	-	ST-1-3	Mac8	Check pin		✓
57	46	0	-	ST-1-3	Mac8	Check pin		✓
58	47	1	-	ST-1-3	Mac8	Check pin		
59	48	1	-	ST-1-3	Mac8	Check pin		
60	LI	0	-	ST-1-3	Mac8	Check pin		✓

61	CI	0	-	ST-1-3	Mac8	Check pin		✓
62	DI	0	-	ST-1-3	Mac8	Check pin		✓
63	AGC0	1	-	ST-1-3	Mac8	Check pin		
64	AGC1	1	-	ST-1-3	Mac8	Check pin		
65	CLIM0	0	-	ST-1-3	Mac8	Check pin		✓
66	CLIM1	0	-	ST-1-3	Mac8	Check pin		✓
67	FLIM	0	-	ST-1-3	Mac8	Check pin		✓
68	BOOST	0	-	ST-1-3	Mac8	Check pin		✓
69	VDD	1	-	ST-1-3	Mac8	Check pin		
70	VM	1	-	ST-1-3	Mac8	Check pin		
71	GND1	1	-	ST-1-3	Mac8	Check pin		
72	GND2	1	-	ST-1-3	Mac8	Check pin		
73	GND3	1	-	ST-1-3	Mac8	Check pin		
74	GND4	1	-	ST-1-3	Mac8	Check pin		
75	GND5	1	-	ST-1-3	Mac8	Check pin		
76	GND6	1	-	ST-1-3	Mac8	Check pin		
77	GND7	1	-	ST-1-3	Mac8	Check pin		
78	GND8	1	-	ST-1-3	Mac8	Check pin		
79	GND9	1	-	ST-1-3	Mac8	Check pin		
80	GND10	1	-	ST-1-3	Mac8	Check pin		
81	GND11	1	-	ST-1-3	Mac8	Check pin		
82	TVF	1	-	RN1401	TOSHIBA	Bias Resistor Built-in Transistor		
83	JP1	1	-			Jumper		
84	(JP1)	1						
85	JP2	1	-			Jumper		
86	(JP2)	1						
87	IC1	1		TB67H420FTG	TOSHIBA	IC		
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