

RD Number: RD201

RD Title: TC35894XBG/TC35894FG Evaluation Circuit BOM2 (Main board)

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package	Not Mount
1	IC1	1	TC74LCX244AFT	TC74LCX244AFT	TOSHIBA	Low voltage CMOS logic IC		
2	IC2	1	CY7C68013A-56PVXC	—	—	High-Speed USB Peripheral		
3	IC3	1	TC7WH08FU	TC7WH08FU	TOSHIBA	Dual 2-Input AND Gate IC		
4	IC4	1	GTL2002DP	—	—	2-bit bidirectional low voltage		
5	IC5	1	TC7WPN3125FK	TC7WPN3125FK	TOSHIBA	2-Bit Dual Supply Bus Buffer IC		
6	IC6	1	MAX6301CSA+	—	—	WDT, Reset IC		
7	LT1	1	TA48033F	TA48033F	TOSHIBA	Regulator (LDO)		
8	LT2	1	TA4800AF	TA4800AF	TOSHIBA	Multi-functional regulator IC		
9	R1	1	330Ω	—	—	Chip resistor		
10	R2	1	330Ω	—	—	Chip resistor		
11	R3	1	330Ω	—	—	Chip resistor		
12	R4	1	330Ω	—	—	Chip resistor		
13	R5	1	330Ω	—	—	Chip resistor		
14	R6	1	330Ω	—	—	Chip resistor		
15	R7	1	330Ω	—	—	Chip resistor		
16	R8	1	1kΩ	—	—	Chip resistor		
17	R9	1	1kΩ	—	—	Chip resistor		
18	R10	1	10kΩ	—	—	Chip resistor		
19	R11	1	330Ω	—	—	Chip resistor		
20	R12	1	10kΩ	—	—	Chip resistor		
21	R13	1	10kΩ	—	—	Chip resistor		
22	R14	1	3.3kΩ	—	—	Chip resistor		
23	R15	1	3.3kΩ	—	—	Chip resistor		
24	R16	1	10kΩ	—	—	Chip resistor		
25	R17	1	220kΩ	—	—	Chip resistor		
26	R18	1	300Ω	—	—	Chip resistor		
27	R19	1	300Ω	—	—	Chip resistor		
28	R20	1	4.7kΩ	—	—	Chip resistor		
29	R21	1	10kΩ	—	—	Chip resistor		
30	R22	1	2.2MΩ	—	—	Chip resistor		
31	R23	1	1MΩ	—	—	Chip resistor		
32	RM1	1	10kΩ	—	—	Chip resistor network (8-element)		
33	RM2	1	10kΩ	—	—	Chip resistor network (8-element)		

34	RM3	1	10kΩ	—	—	Chip resistor network (8-element)		
35	VR1	1	10kΩ	—	—	Variable resistor		
36	L1	1	Inductor	—	—	Chip inductor		
37	C1	1	12pF	—	—	Chip capacitor		
38	C2	1	12pF	—	—	Chip capacitor		
39	C3	1	0.1μF	—	—	Chip capacitor		
40	C4	1	0.1μF	—	—	Chip capacitor		
41	C5	1	0.1μF	—	—	Chip capacitor		
42	C6	1	0.1μF	—	—	Chip capacitor		
43	C7	1	0.1μF	—	—	Chip capacitor		
44	C8	1	0.1μF	—	—	Chip capacitor		
45	C9	1	0.1μF	—	—	Chip capacitor		
46	C10	1	0.1μF	—	—	Chip capacitor		
47	C11	1	0.1μF	—	—	Chip capacitor		
48	C12	1	0.1μF	—	—	Chip capacitor		
49	C13	1	0.1μF	—	—	Chip capacitor		
50	C14	1	0.1μF	—	—	Chip capacitor		
51	C15	0	Not mount	—	—	Chip capacitor		✓
52	C16	0	Not mount	—	—	Chip capacitor		✓
53	C17	1	0.1μF	—	—	Chip capacitor		
54	C18	1	0.1μF	—	—	Chip capacitor		
55	C19	1	0.1μF	—	—	Chip capacitor		
56	C20	1	0.1μF	—	—	Chip capacitor		
57	C21	1	0.1μF	—	—	Chip capacitor		
58	C22	1	0.1μF	—	—	Chip capacitor		
59	C23	1	0.1μF	—	—	Chip capacitor		
60	EC1	1	47μF 16V	—	—	Tantalum Capacitor		
61	EC2	1	1μF 25V	—	—	Tantalum Capacitor		
62	EC3	1	1μF 25V	—	—	Tantalum Capacitor		
63	EC4	1	47μF 16V	—	—	Tantalum Capacitor		
64	EC5	1	47μF 16V	—	—	Tantalum Capacitor		
65	EC6	1	1μF 25V	—	—	Tantalum Capacitor		
66	EC7	1	1μF 25V	—	—	Tantalum Capacitor		
67	EC8	1	47μF 16V	—	—	Tantalum Capacitor		
68	DS1	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
69	DS2	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
70	DS3	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
71	DS4	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
72	DS5	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
73	DS6	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
74	DS7	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
75	DS8	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		

76	DS9	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
77	DS10	1	LGE1008A	LGE1008A	TOSHIBA	Surface-mount LED lamp		
78	X1	1	CRYSTAL	—	—	CRYSTAL 24MHz		
79	CN1	1	USB receptacle	—	—	USB receptacle 5p		
80	CN2	1	Connector	—	—	10 Position Receptacle Connector		
81	CN3	1	Connector	—	—	10 Position Receptacle Connector		
82	CN4	1	Connector	—	—	10 Position Receptacle Connector		
83	CN6	1	Connector	—	—	10 Position Receptacle Connector		
84	CN7	1	DC power socket	—	—	DC power socket		
85	CN21	1	Wrapping terminal	—	—	Two-row connection wrapping terminal (to Key board)		
86	SW1	1	DIP Switch	—	—	DIP Switch 8p		
87	SW2	1	Slide Switch	—	—	Slide Switch (Power ON/OFF)		
88	SW3	1	Tactile Switch	—	—	Tactile Switch		
89	JP1	1	Pin header	—	—	Pin header 2pin (Jump socket)		
90	JP2	1	Pin header	—	—	Pin header 2pin (Jump socket)		
91	JPW1	1	Pin header	—	—	Pin header 3pin (Jump socket)		
92	JPW2	1	Pin header	—	—	Pin header 3pin (Jump socket)		
93	JPW3	1	Pin header	—	—	Pin header 3pin (Jump socket)		
94	F1	1	Fuse	—	—	Resettable Fuse 6V 3A		
95	TP1	1	Check terminal	—	—	Check terminal		
96	TP2	1	Check terminal	—	—	Check terminal		
97	TP3	1	Check terminal	—	—	Check terminal		
98	TP4	1	Check terminal	—	—	Check terminal		
99	TP5	1	Check terminal	—	—	Check terminal		
100	TP6	1	Check terminal	—	—	Check terminal		
101	TP7	1	Check terminal	—	—	Check terminal		
102	TP8	1	Check terminal	—	—	Check terminal		
103	TP9	1	Check terminal	—	—	Check terminal		
104	TP10	1	Check terminal	—	—	Check terminal		
105	TP11	1	Check terminal	—	—	Check terminal		
106	TP12	1	Check terminal	—	—	Check terminal		
107	TP13	1	Check terminal	—	—	Check terminal		
108	TP14	1	Check terminal	—	—	Check terminal		
109	TP15	1	Check terminal	—	—	Check terminal		
110	TP16	1	Check terminal	—	—	Check terminal		
111	TP17	1	Check terminal	—	—	Check terminal		
112	TP18	1	Check terminal	—	—	Check terminal		

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