

PartNo		RTK0EG0046C01001BJ		RL78/G16 Cap Touch CPU Board BOM			
No	Component Name		Component Specification			Qty/Set	Remarks
	Type	Reference	Product Number (Specification)	Manufacture	Mount/Unmount		
1	PCB	—	RTK0EG0046C01001BJ v1.0		Mount	1	
2	MCU 32pin LFQFP	U1	R5F121BCAFP	Renesas Electronics	Mount	1	
3	Crystal Unit	X1	HC-49/U-S20000000ABJB	CITIZEN	Unmount	0	
4	Crystal Oscillator (SMT)	X2	FC135 32.768000kHz	EPSON	Unmount	0	
5	Level Converter	U3, U4	74LVCH1T45GW	Nexperia	Mount	2	
			74LVC1T45GW	Nexperia			
6	USB-Serial Converter IC	U2	FT234XD	FTDI	Mount	1	
7	Diode	D1, D2	PMEG4010ETP, 115	Nexperia	Mount	2	
			RB168LAM-40TR	Rohm			
8	LED (Red)	LED1	SML-D13U8WT86	ROHM	Mount	1	
9	LED (Green)	LED2	SML-D13M8WT86	ROHM	Mount	1	
10	LED (Yellow)	LED3	SML-D12Y8WT86	ROHM	Mount	1	
11	Inductor	L1	BLM18PG471SN1D	Murata	Mount	1	
12	Chip Resistor (0Ω)	R1, R7, R8	MCR03EJPJ000	ROHM	Mount	3	
			RK73Z1JRTTD	KOA			
13	Chip Resistor (0Ω)	R16, R17	MCR03EJPJ000	ROHM	Unmount	0	
14	Chip Resistor (27Ω)	R3, R4	MCR03EJPJ270	ROHM	Mount	2	
			RK73B1JTTD270J	KOA			
15	Chip Resistor (470Ω 5%)	R10	MCR03EJPJ471	ROHM	Mount	1	
			RK73B1JTTD471J	KOA			
16	Chip Resistor (560Ω, 5%)	R2, R12, R14, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53	MCR03EJPJ561	ROHM	Mount	39	
			RK73B1JTTD560J	KOA			
17	Chip Resistor (1.0kΩ 5%)	R6, R9	MCR03EJPJ102	ROHM	Mount	2	
			RK73B1JTTD102J	KOA			
18	Chip Resistor (10KΩ, 5%)	R5, R11, R13, R15	MCR03EJPJ103	ROHM	Mount	4	
			RK73B1JTTD103J	KOA			
19	Capacitor (4pF/50V)	C17, C18 (When mounting X2)	GJM1555C1H4R0WB01D	Murata	Unmount	0	
			GJM1555C1H4R0BB01D	Murata			
20	Capacitor (10pF/50V)	C17, C18 (When mounting X1)	GJM1555C1H100JB01D	Murata	Unmount	0	
			GJM1555C1H100JB01J	Murata			
21	Capacitor (47pF/50V)	C9, C10	GJM1555C1H470JB01D	Murata	Mount	2	
			GJM1555C1H470JB01J	Murata			

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	Type	Reference	Product Number (Specification)	Manufacture	Mount/Unmount		
22	Capacitor (0.01uF/50V)	C1, C5	GRM155R71H103KA88D	Murata	Mount	2	
			GRM155R71H103KA88J	Murata			
23	Capacitor (0.047uF/50V)	C16	GRM155C71H473KE19D	Murata	Mount	1	
			GRM155R71H473KE14D	Murata			
24	Capacitor (0.1uF/25V)	C2, C4, C7, C8, C11, C12, C13, C14, C15	GRM033R61E104KE14D	Murata	Mount	9	
			GRM033R61E104KE14J	Murata			
25	Capacitor (4.7uF/16V)	C6	GRM188C71C475KE21D	Murata	Mount	1	
			GRM188Z71C475KE21D	Murata			
26	Aluminium Capacito 10u/25V	C3	UWX1E100MCL1GB	Nichicon	Mount	1	
27	Slide SW (DPDT)	SW4	CL-SB-22A-02	COPAL	Mount	1	
			CL-SB-22A-01	COPAL			
28	Push SW	SW1, SW2, SW3	EVQQ2K02W	Panasonic	Mount	3	
29	microUSB	CN3	ZX62-B-5PA (33)	HIROSE	Mount	1	
30	16P Pin Header	CN1	FSR-42085-08	HIROSUGI	Mount	1	
31	40P Pin Header	CN2	FSR-42085-20	HIROSUGI	Mount	1	
32	2P Pin Header	JP2	PSH-410256-02	HIROSUGI	Unmount	0	
33	3P Pin Header	JP1	PSH-410256-03	HIROSUGI	Mount	1	
			FFC-3AMEP1B	HTK			
34	14 Pin Connector	CN4	XG4C-1431	OMRON	Mount	1	
			7614-6002PL	3M			
35	Fuse	F1	OZCJ0050FF2G	Bel Fuse	Mount	1	
36	DC Jack	CN5	PJ-002AH-SMT-TR	CUI Inc.	Mount	1	
37	Shunt Plug	JP4	JS-41060	HIROSUGI	Mount	1	
			Z-130	HTK			
38	Rubber Bumper	-	TM-180-303	TOCHIGIYA	Mount	4	
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