

Renesas Electronics Corp.

PartNo		RTK0EG0038C01001BJ		RX140 Cap Touch CPU Board BOM			
No	Component Name		Component Specification			Qty/Set	Remarks
	Type	Reference	Product Number (Specification)	Manufacture	Mount/Unmount		
1	PCB		RTK0EG0038C01001BJ		Mount	1	
2	MCU	U1	R5F51406ADFN	RenesasElectronics	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	U4, U5	74LVCH1T45GW	Nexperia	Mount	2	
			74LVC1T45GW	Nexperia			
6	USB-Serial Converter IC	U3	FT234XD	FTDI	Mount	1	
7	Transistor	Q1, Q2	DTC114EMT2L	ROHM	Mount	1	
8	Diode	D1, D2	PMEG4010ETP, 115	Nexperia	Mount	2	
			RB168LAM-40TR	Rohm			
9	LDO	U2	ISL9007IUNZ	RenesasElectronics	Mount	1	
10	LED (Red)	LED1	SML-D13U8WT86	ROHM	Mount	1	
11	LED (Green)	LED2	SML-D13M8WT86	ROHM	Mount	1	
12	LED (Yellow)	LED3	SML-D12Y8WT86	ROHM	Mount	1	
13	Inductor	L1	BLM18PG471SN1D	Murata	Mount	1	
14	Chip Resistor (0Ω)	R1	MCR03EZPJ000	ROHM	Mount	1	
			RK73Z1JRTTD	KOA			
15	Chip Resistor (0Ω)	R52	MCR03EZPJ000	ROHM	Unmount	0	
16	Chip Resistor (27Ω)	R39, R40	MCR03EZPJ270	ROHM	Mount	2	
			RK73B1JTTD270J	KOA			
17	Chip Resistor (560Ω, 5%)	R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R54, R55	MCR03EZPJ561	ROHM	Mount	39	
			RK73B1JTTD560J	KOA			
18	Chip Resistor (1.5kΩ 5%)	R47	MCR03EZPJ152	ROHM	Mount	1	
			RK73B1JTTD152J	KOA			
19	Chip Resistor (4.7kΩ 5%)	R45, R46	MCR03EZPJ472	ROHM	Mount	2	
			RK73B1JTTD472J	KOA			
20	Chip Resistor (10KΩ, 5%)	R41, R43, R44, R50, R51	MCR03EZPJ103	ROHM	Mount	5	
			RK73B1JTTD103J	KOA			

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21	Chip Resistor (10k Ω , 5%)	R56	MCR03EZPJ103	ROHM	Unmount	0	
22	Chip Resistor (10k Ω , 0.1%)	R53	ERA-3AEB103V	Panasonic	Mount	1	
			RG1608P-103-B-T5	Susumu			
			RN73R1JTTD1002B25	KOA			
23	Capacitor (4pF/50V)	C24, C25	GJM1555C1H4R0WB01D	Murata	Unmount	0	
			GJM1555C1H4R0BB01D	Murata			
24	Capacitor (10pF/50V)	C22, C23	GJM1555C1H100JB01D	Murata	Unmount	0	
			GJM1555C1H100JB01J	Murata			
25	Capacitor (47pF/50V)	C14, C15	GJM1555C1H470JB01D	Murata	Mount	2	
			GJM1555C1H470JB01J	Murata			
26	Capacitor (0.01uF/50V)	C1, C10	GRM155R71H103KA88D	Murata	Mount	2	
			GRM155R71H103KA88J	Murata			
27	Capacitor (0.1uF/25V)	C2, C3, C7, C9, C12, C13, C16, C17, C18, C19, C20	GRM033R61E104KE14D	Murata	Mount	11	
			GRM033R61E104KE14J	Murata			
28	Capacitor (1uF/16V)	C4, C5, C21	GRM155C81C105KE11D	Murata	Mount	3	
			EMK105BJ105KV-F	Taiyo Yuden			
29	Capacitor (4.7uF/16V)	C6, C11	GRM188C71C475KE21D	Murata	Mount	2	
			GRM188Z71C475KE21D	Murata			
30	Aluminium Capacitor 10u/25V	C8	UWX1E100MCL1GB	Nichicon	Mount	1	
31	Slide SW (SPDT)	SW1, SW6	CJS-1200TB	COPAL	Mount	2	
32	Slide SW (DPDT)	SW5	CL-SB-22A-02	COPAL	Mount	1	
33	Push SW	SW2, SW3, SW4	EVQQ2K02W	Panasonic	Mount	3	
34	microUSB	CN6	ZX62-B-5PA (33)	HIROSE	Mount	1	
35	12P Pin Header Right Angle	CN3	FSR-42085-06	HIROSUGI	Unmount	0	
36	16P Pin Header	CN1	FSR-42085-08	HIROSUGI	Mount	1	
37	40P Pin Header	CN2	FSR-42085-20	HIROSUGI	Mount	1	
38	2P Pin Header	JP3	FFC-2AMEP1B	HTK	Mount	1	
39	3P Pin Header	JP1, JP2, JP4	FFC-3AMEP1B	HTK	Mount	3	
40	6P ピンヘッダ	CN7	FFC-6AMEP1B	HTK	Mount	1	
41	14 Pin Connector	CN4	7614-6002PL	3M	Mount	1	
42	Fuse	F1	OZCJ0050FF2G	Bel Fuse	Mount	1	
43	DC Jack	CN5	PJ-002AH-SMT-TR	CUI Inc.	Mount	1	
44	Shunt Plug	JP1, JP2, JP4	Z-130	HTK	Mount	3	
45	Rubber Bumper		TM-180-303	TOCHIGIYA	Mount	4	
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