

RTK0EG0056C01001BJ

RA4L1 Cap Touch CPU Board

No	Component Name		Component Specification			Qty/Set	Remarks
	Type	Reference	Product Number (Specification)	Manufacture	Mount/Unmount		
1	PCB	-	RTK0EG0056C01001BJ v1.1	SANYO KOGYO	Mount	1	
2	MCU	U1	R7FA4L1BD4CFP	RENESAS	Mount	1	
3	Arm Cortex MCU	U3	R7FA4M2AD3CFL	RENESAS	Mount	1	
4	Voltage-Level Translator	U4	TXB0108PWR	TI	Mount	1	
5	Open-drain Buffer	U5	74LVC1G07GW	nexperia	Mount	1	
6	LDO	U2	SLG7RN47205V	RENESAS	Mount	1	
7	Dilde(Schottky)	D1	PMEG4010ETP,115	nexperia	Mount	1	
8	Chip LED(red)	LED1	SML-D13U8WT86	ROHM	Mount	1	
9	Chip LED(yellow)	LED3,LED4	SML-D12Y8WT86	ROHM	Mount	2	
10	Chip LED(green)	LED2	SML-D13M8WT86	ROHM	Mount	1	
11	Crystal 12M	X2	FA-238V 12.0000MB-K3	EPSON	Mount	1	
12	Crystal 16M(Unmount)	X1	CSTNE16M0V530000R0(Unmount)	MURATA	Unmount	0	
13	Crystal 32.768K(Unmount)	X3	SSP-T7-F-7pF(Unmount)	SII	Unmount	0	
14	Ferrite Bead	L2	BLM18PG471SN1D	MURATA	Mount	1	
15	Choke Coil(Unmount)	L1	DLW5BTM142TQ2L(Unmount)	MURATA	Unmount	0	
16	Resistor(0/5% 1608)	R65,R102	MCR03EZPJ000	ROHM	Mount	2	
17	Resistor(Unmount 0/5% 1608)	R1,R100,R101	MCR03EZPJ000(Unmount)	ROHM	Unmount	0	
18	Resistor(22/5% 1608)	R66,R67	MCR03EZPJ220	ROHM	Mount	2	
19	Resistor(Unmount 50/2% 1608)	R40	RCP0603W50R0GEB(Unmount)	VISHAY	Unmount	0	
20	Resistor(150/5% 1608)	R51,R52,R53,R54, R55,R56,R57	MCR03EZPJ151	ROHM	Mount	7	
21	Resistor(560/5% 1608)	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	MCR03EZPJ561	ROHM	Mount	36	
22	Resistor(1k/5% 1608)	R38,R39,R42,R49, R50,R104	MCR03EZPJ102	ROHM	Mount	6	
23	Resistor(5.1k/5%/1608)	R43,R44	MCR03EZPJ512	ROHM	Mount	2	
24	Resistor(10k/5% 1608)	R45,R46,R47,R48, R58,R60,R61,R62, R63,R103	MCR03EZPJ103	ROHM	Mount	10	
25	Resistor(Unmount 10k/5% 1608)	R68	MCR03EZPJ103(Unmount)	ROHM	Unmount	0	

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	Type	Reference	Product Number (Specification)	Manufacture	Mount/Unmount		
26	Resistor(15k/5% 1608)	R105	MCR03EZPJ153	ROHM	Mount	1	
27	Resistor(30k/5% 1608)	R106	MCR03EZPJ303	ROHM	Mount	1	
28	Capacitor(10PF/50V)	C24,C26	GJM1555C1H100FB01D	MURATA	Mount	2	
29	Capacitor(11PF/50V)	C25,C27	GJM1555C1H110FB01D	MURATA	Mount	2	
30	Capacitor(0.01uF/50V)	C9,C17	GRM155R71H103KA88D	MURATA	Mount	2	
31	Capacitor(0.1uF/25V)	C1,C2,C5,C6,C11, C12,C13,C14,C16, C22,C23,C28,C29, C30,C31,C32	GRM033R61E104KE14D	MURATA	Mount	16	
32	Capacitor(0.22uF/50V)	C20	GRM155R61E224KE01D	MURATA	Mount	1	
33	Capacitor(1uF/16V)	C33	GRM155C81C105KE11D	MURATA	Mount	1	
34	Capacitor(4.7uF/16V)	C7,C8	GRM188C71C475KE21D	MURATA	Mount	2	
35	Capacitor(10uF/50V)	C3,C4,C10,C15	GRM21BR61H106KE43L	MURATA	Mount	4	
36	Capacitor	C19,C21	-	-	Unmount	0	
37	Resettable Fuse	F1	0ZCJ0050FF2G	belfuse	Mount	1	
38	Push Switch	SW1,SW2,SW3	EVQQ2K02W	Panasonic	Mount	3	
39	Slide Switch	SW4,SW5	CJS-1200TB	Nidec	Mount	2	
40	Connector(2P)(Unmount)	CN5	B2B-XH-A(Unmount)	JST	Unmount	0	
41	Connector(10P)	CN6	FTSH-105-01-L-DV-007-K	Samtec	Mount	1	
42	Connector(12P)	PMOD1,PMOD2	FSR-42085-06	Hirosugi	Mount	2	
43	Connector(16P)	CN1	FSR-42085-08	Hirosugi	Mount	1	
44	Connector(40P)	CN2	FSR-42085-20	Hirosugi	Mount	1	
45	USB-C Connector	CN3	USB4105-GF-A	GCT	Mount	1	
46	DC Power Juck	CN4	PJ-002AH-SMT-TR	CUI	Mount	1	
47	Pin Header(2P)(Unmount)	JP2,JP3	PSH-410256-02(Unmount)	Hirosugi	Unmount	0	
48	Pin Header(3P)	JP4	PSH-410256-03	Hirosugi	Mount	1	
49	Pin Header(3P)(Unmount)	JP1	PSH-410256-03(Unmount)	Hirosugi	Unmount	0	
50	Jumper Socket	JP4	JS-41060	Hirosugi	Mount	1	JP4:1-2pin
51	Rubber Bumpers	-	TM-180-303	Tochigiya	Mount	4	
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