

Board : RTK0EMXC90Z00000BJ (Part number)

Schematic : R12TU0123EJ0100 (Document number)

Date: 2021/8/18

No.	Reference	Description	Manufacturer	PartNumber	Qty
1	C1,C5,C6,C7,C8,C10,C12,C14,C16,C17,C18,C19,C20,C21,C24,C25,C26,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45	Capacitor	Taiyo Yuden	UMK105BJ104KV-F	31
2	C13,C15,C29,C30	Capacitor	Taiyo Yuden	EMK212ABJ475KGHT	4
3	C2,C3,C22,C23	Capacitor	TDK	CGA2B2C0G1H100D050BA	4
4	C27	Capacitor	TDK	C1005C0G1H471J050BE	1
5	C28	Capacitor	TDK	CGA2B2X7R1E103K050BA	1
6	C31	Capacitor	TDK	CGA3E3X5R1E105M080AB	1
7	C4	Capacitor	Taiyo Yuden	UMK105BJ224KV-F	1
8	CN1	Connector	-	-	0
9	CN2	Connector	Hirose	UX60SC-MB-5ST	1
10	CN3	Connector	JAE	DX07S016JA3R1500	1
11	CN4	Connector	JST	B4B-XH-A(LF)(SN)	1
12	CN5	Connector	Molex	533750410	1
13	D1	Diode	Rohm	RF05VAM1STR	1
14	FB1,FB2	FB	Murata	BLM15AX601SN1D	2
15	JP1,JP2,JP3	Jumper	HARWIN	M20-9990246	3
16	JP4	Jumper	-	M20-9990646	0
17	JP5	Jumper	-	-	0
18	LED1	LED	Rohm	SML-D12D8WT86	1
19	R1,R2,R15,R16,R17,R19,R20,R23,R24,R25,R26,R29,R32,R41	Resistor	KOA	RK73H1ETTP4701F	14
20	R21	Resistor	KOA	RK73H1ETTP5602F	1
21	R3,R22,R36	Resistor	KOA	RK73H1ETTP1002F	3
22	R33,R34	Resistor	KOA	RK73H1ETTP5101F	2
23	R35	Resistor	KOA	RK73H1ETTP1202F	1
24	R4,R39,R42	Resistor	KOA	RK73H1ETTP2001F	3
25	R5,R18	Resistor	KOA	RK73H1ETTP22R0F	2

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26	R6,R8,R9,R10,R11,R12,R13,R14,R28	Resistor	KOA	RK73Z1ETTP	9
27	R7,C9,C11,R27,R37,R38,R40	Land pattern	–	–	0
28	SW1	Switch	Panasonic	EVQ-5PN04K	1
29	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13	Test pin	–	–	0
30	U1	MCU	Renesas	R5F572NNDDFB	1
31	U2,U4	Diode	Semtech Corporation	RClamp0582N.TCT	2
32	U3	Memory	Micron Technology Inc.	MT48LC8M16A2P-6A:L TR	1
33	U5	I/F controller	FTDI	FT232HL	1
34	U6	EEPROM	Microchip	93LC56BT-I/OT	1
35	U7	LDO	Renesas	ISL80505IRAJZ	1
36	U8	Digital isolator	Silicon Labs	Si8622BC-B-IS	1
37	X1	Crystal	Abracon LLC	ABM8-20.000MHZ-10-B1U-T	1
38	X2	Crystal	Abracon LLC	ABM8AIG-12.000MHZ-12-2Z-T3	1