

Board : RTK0EMA6L0C00000BJ (Part number)

Date : 2026/5/27

No.	Reference	Description	Manufacturer	PartNumber	Qty
1	C1	Capacitor	Taiyo Yuden	EMK105ABJ474KV-F	1
2	C122,C128	Capacitor	Wurth Elektronik	865060345007	2
3	C31,C63,C64,C78,C79,C83,C84,C88,C92,C93,C94,C95,C97,C99,C100,C101,C102,C103,C104,C105,C106,C109,C110,C111,C112,C114,C115,C116,C117,C120,C123,C129,C130,C131	Capacitor	Taiyo Yuden	UMK105BJ104KV-F	34
4	C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C18,C21,C25,C132	Capacitor	Murata	GRM033C80J224KE90D	20
5	C37	Capacitor	Murata	GRM32ER70J476KE20L	1
6	C38	Capacitor			0
7	C39,C40,C86,C87	Capacitor	TDK	CGA2B2C0G1H100D050BA	4
8	C41,C42,C59,C62,C82,C113,C108.C119	Capacitor			0
9	C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C60,C61,C65,C66,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C77	Capacitor	TDK	C1005C0G1H221J050BA	31
10	C80,C81	Capacitor	-	-	0
11	C19,C20,C22,C23,C24,C26,C27,C28,C30,C32,C34,C36,C85	Capacitor	Murata	GRM033C80J224KE90D	13
12	C89,C98,C107,C118,C124,C125,C126	Capacitor	TDK	CGA3E3X5R1E105M080AB	7
13	C29,C90	Capacitor	TDK	C3225X7R1C226K250AC	2
14	C91,C96,C121,C127	Capacitor	Taiyo Yuden	TMK316BJ106KLHT	4
15	CN1,CN2,CN3,CN4	Connector	Sullins Connector Solutions	PREC017DBAN-M71RC	4
16	CN10	Connector	Samtec	FTSH-110-01-F-D	0
17	CN11	Connector	HARWIN	M20-9990346	0
18	CN12	Connector	Tag-Connect LLC	TC2030-IDC	0
19	CN13,CN18	Connector	JAE Electronics	DX07S016JA3R1500	2
20	CN14,CN15	Connector	Pulse Electronics Network	J0011D21BNL	2
21	CN16	Connector	HARWIN	M20-9990546	0
22	CN17	Connector	Molex	104031-0811	1

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23	CN5,CN6	Connector	Sullins Connector Solutions	PPPC062LJBN-RC	2
24	CN7	Connector	Sullins Connector Solutions	SBH11-PBPC-D07-ST-BK	0
25	CN8	Connector	HARWIN	M20-9990446	0
26	CN9	Connector	Molex	533750410	1
27	D1	Diode	Rohm	RF05VAM1STR	0
28	D2	Diode	Toshiba	CRS05	0
29	D3	Diode	Vishay	VS-12CWQ03FNTRL-M3	1
30	D4,D6	Diode	Semtech Corporation	UCLAMP0571P.TNT	2
31	D5	Diode	Diodes Incorporated	1N5819HW-7-F	1
32	JP1	Connector	HARWIN	M20-9980346	1
33	JP2	Jumper	HARWIN	M20-9980646	1
34	JP3,JP7	Jumper	HARWIN	M20-9990246	2
35	JP4,JP6	Jumper	HARWIN	M20-9990346	2
36	JP5	Jumper	HARWIN	M20-9990246	0
37	L1	Inductor	TDK	SPM5020T-2R2M-LR	1
38	L2	Common mode choke	Murata	DLM0NSM900HY2D	1
39	LED1,LED2,LED3,LED4,LED5,LED6,LED13	LED	Rohm	SML-D12D8WT86	7
40	LED12	LED	Rohm	SML-D12D8WT86	0
41	LED7	LED	Rohm	SML-522MU8W	0
42	R1,R2,R3,R4,R143,R144,R161,R164,R165,R166,R167,R168,R169,R170,R171,R172,R174,R179,R180,R182,R187,R190,R191,R192,R193,R194,R195,R196,R197,R198,R202,R205,R206,R223,R224,R231,R232,R243,R244,R245,R246,R247,R248,R249,R256,R257	Resistor	YAGEO	AC0402FR-0722RL	46
43	R125,R126,R127,R128,R137,R141,R252	Resistor	YAGEO	RC0402FR-07150RL	7
44	R12,R13,R14,R15,R16,R18,R38,R39,R40,R41,R52,R56,R57,R58,R64,R65,R67,R71,R73,R110,R111,R112,R119,R120,R121,R124,R132,R133,R152,R153,R154,R158,R159,R163,R181,R189,R207,R212,R213,R214,R215,R216,R217,R218,R219,R220,R221,R222,R225,R226,R227,R228,R229,R230,R239,R254,R255,R265,R268,R269,R274,R275,R276,R577	Resistor	-	-	0

No.	Reference	Description	Manufacturer	PartNumber	Qty
45	R146,R147,R251,R258,R259	Resistor	YAGEO	AC0402FR-075K1L	5
46	R184,R209	Resistor	YAGEO	RC0402FR-071K82L	2
47	R160,R185	Resistor	YAGEO	AC0402FR-0718K2L	2
48	R173,R175,R176,R177,R199,R200,R201,R203	Resistor	YAGEO	RT0402FRE0749R9L	8
49	R21,R24,R25,R46,R50,R51,R74,R75,R76,R80,R81,R82,R92,R93,R94,R98,R99,R100,R150,R155,R157,R183,R188,R208	Resistor	YAGEO	RC0402FR-071KP	24
50	R22,R23,R47,R48,R60,R77,R78,R79,R83,R84,R85,R95,R96,R97,R101,R102,R103,R113,R114,R115,R148	Resistor	YAGEO	RC0402FR-074K7P	21
51	R233	Resistor	YAGEO	RC0402FR-0724KL	1
52	R26,R27,R28,R29,R30,R31,R32,R33,R34,R35,R42,R43,R44,R45,R49,R53,R59,R66,R72,R86,R87,R88,R89,R90,R91,R104,R105,R106,R107,R108,R109	Resistor	KOA	RK73H1ETTP6800F	31
53	R5,R7,R20,R130,R131,R134,R135,R136,R162,R178,R186,R204,R234,R253,R260,R263,R264	Resistor	YAGEO	AC0402FR-0710KL	17
54	R6,R17,R19,R36,R37,R54,R55,R62,R63,R69,R70,R116,R117,R118,R123,R129,R138,R139,R140,R142,R145,R151,R261,R262	Resistor	YAGEO	RC0402JR-070RP	24
55	R61,R68,R122,R156,R235,R236,R237,R238,R240,R241,R242,R250	Resistor	YAGEO	AF0402FR-0747KL	12
56	R8,R9,R10,R11,R210,R211,R270,R271,R272,R273	Resistor	YAGEO	RC0402FR-072KP	10
57	S1	Switch	Panasonic	EVQ-5PN04K	1
58	U1	MCU	Renesas	R7KA8T2LFLCAC	1
59	U11	EEPROM	Renesas	R1EX24016ATAS0I	1
60	U12,U14	POWER SWITCH	Renesas	ISL61852ICRZ	2
61	U2	Buffer	Texas Instruments	SN74LVC2G32QDCURQ1	1
62	U3	Inverter	Diodes Incorporated	74AHC1G04QW5-7	1
63	U4,U5	Buffer	Texas Instruments	SN74LV07ADBR	2
64	U6	MCU	Renesas	R7FA4M2AD3B01CFL	1
65	U7	LDO	Renesas	RAA214020GNP	1
66	U8,U13	Diode	Semtech Corporation	RCLAMP0582N.TCT	2
67	U9,U10	RMII INTERFACE	Renesas	1894K-32LF	2

No.	Reference	Description	Manufacturer	PartNumber	Qty
68	X1	Crystal	Abracon LLC	ABM8AIG-24.000MHZ-12-2Z-T3	1
69	X2	Crystal	Abracon LLC	ABM8AIG-12.000MHZ-12-2Z-T3	1
70	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22,TP23,TP24,TP25,TP26,TP27,TP28,TP29,TP30,TP31	test pad	-	-	0
71	TP39,TP40,TP41,TP42,TP43,TP44,TP45,TP46,TP47,TP48,TP49,TP50,TP51	test pin	-	-	0
72	U15	Translation	Texas Instruments	SN74LVC1T45DCK	1
73	U16	RS485 Interface IC	Renesas	ISL3158EIUZ	1
74	CN19	Connector	Harwin Inc.	M20-9990446	1
75	R266	Resistor	YAGEO	RC0402FR-07120RL	1
76	LED9,LED10,LED11,LED14,LED16	LED	Rohm	SML-E12M8WT86	5
77	LED8,LED15,LED17	LED	Rohm	SML-E12U8WT86	3
78	C133,C134	Capacitor	Murata	GCM155R71H471KA37D	2
79	R149	Resistor	YAGEO	RC0402FR-071K78L	1