

RTK0EMG240C00000BJ BOM LIST

Product Name: RL78/G24 CPU Card for Motor Control Evaluation Board

Board Name : RL78/G24 CPU card (RTK0EMG240C00000BJ)

Schematic No : R12TU0255

Date : 2022/4/25

No.	Reference	Description	Manufacturer	PartNumber	Qty
1	JP1	Jumper	3M	961102-6404-AR	1
2	JP2, JP3, JP4, JP5	Jumper	3M	961103-6404-AR	4
3	CN6, CN7, CN8	Connector	JST	B4B-XH-A (LF) (SN)	3
4	CN3, CN4	Connector	JST	B5B-XH-A (LF) (SN)	2
5	D1	Diode	NXP Semiconductors	BAV99W, 115	1
6	FB1	Ferrite Beads	MURATA	BLM21PG121SN1D	1
7	C24, C27, C28, C29, C30, C35	Capacitor	MURATA	GRM188B31E105K	6
8	C24, C27, C28, C29, C30, C35	Capacitor	TDK	C1608X5R1E105K080AC	6
8	C31	Capacitor	MURATA	GRM188R61E106KA73J	1
9	C36, C37	Capacitor	MURATA	GRM1882C1H100J	2
10	C10, C11, C12, C13, C14, C15, C17, C18, C19, C20, C21, C22, C23, C25	Capacitor	MURATA	GRM1882C1H101J	14
11	C32, C33, C34, C38, C39, C40	Capacitor	MURATA	GRM188B11H102K	6
12	C1, C2, C3, C4, C5, C6, C9	Capacitor	MURATA	GRM188B31H104K	7
13	C7, C8, C16, C26	Capacitor	MURATA	GRM1882C1H470JA01J	4
14	S1	Tactile Switches	Panasonic - ECG	EVQ-5PN04K	1
15	U2	IC	FTDI	FT230XS-R	1
16	Y1	Crystals	Citizen	HC-49/U-S80000000ABJB	1
17	R21, R24, R33, R35	Resistor	KOA	RK73Z1JTDD	4

R12TU0256EJ0100

© 2023 Renesas Electronics Corporation. All rights reserved.

RTK0EMG240C00000BJ BOM LIST

18	R17, R19	Resistor	KOA	RK73H1JTDD27R0F	2
19	R1, R2, R4, R5, R6, R7, R8, R10, R13, R15, R16, R18, R20, R28, R40, R41, R42, R46, R47, R48	Resistor	KOA	RK73H1JTDD1000F	20
20	R14, R22, R23, R25, R27, R29	Resistor	KOA	RK73H1JTDD1001F	6
21	R11, R12, R32, R34, R36, R37, R38, R39, R43, R44, R45	Resistor	KOA	RK73H1JTDD1002F	11
22	R9	Resistor	KOA	RK73H1JTDD1003F	1
23	R3	Resistor	KOA	RK73H1JTDD2001F	1
24	R30, R31	Resistor	KOA	RK73H1JTDD2701F	2
25	U3	IC	Renesas	R7F101GLG2DFB	1
26	Q1	Transistors	Rohm Semiconductor	RSC002P03T316	1
27	CN1, CN2	Connector	Sullins Connector Solutions	SFH11-PBPC-D10-ST-BK	2
28	D5	Diode	Rohm Semiconductor	SML-210LTT86	1
29	D2, D3, D4	Diode	Rohm Semiconductor	SML-210MTT86	3
30	U1	IC	Texas Instruments	SN74HCT541PW	1
31	CN5	Connector	Hirose Electric Co Ltd	ZX62R-B-5P (30)	1