

RL78/G14 CPU Card BOM LIST

Product Name: RL78/G14 CPU Card
 Product Number: RTK0EML130C06000BJ
 Schematic No: R12TU0031EJ0100
 Date: Sep 04, 2017

No.	Reference	Description	Manufacturer	PartNumber	Qty
1	CN2,CN3	CONN HEADER XH TOP 4POS2.54MM	JST	B4B-XH-A(LF)(SN)	2
2	CN1,CN5	CONN HEADER XH TOP 5POS2.54MM	JST	B5B-XH-A(LF)(SN)	2
3	D1	DIODE ARRAY 80V 100MA SC-70	ROHM	DAN217U	1
4	C9,C23	LMINATED CERAMIC CAPACITOR (C1608/0.1uF/25V/K)	MURATA	GRM188B11E104KA01D	2
5	C8,C10	LMINATED CERAMIC CAPACITOR (C1608/1.0uF/25V/K)	MURATA	GRM188B31E105KA75D	2
6	C20	LMINATED CERAMIC CAPACITOR (C1608/100pF/50V/J)	MURATA	GRM1882C1H101JA01D	1
7	C11,C12,C13,C14, C15,C16,C17,C18, C19,C21,C22	LMINATED CERAMIC CAPACITOR (C1608/470pF/50V/J)	MURATA	GRM1882C1H471JA01D	11
8	C1,C2,C3,C24, C26,C27	LMINATED CERAMIC CAPACITOR (C1608/1000pF/50V/J)	MURATA	GRM1882C1H102JA01D	6
9	C4,C7,C25	LMINATED CERAMIC CAPACITOR (C3216/10uF/25V/K)	MURATA	GRM31CB31E106KA75L	3
10	RESET1	SWITCH LT TOUCH 6X3.5 240GF SMD	Panasonic - ECG	EVQ-5PN04K	1
11	R24,R27,R50,R53, R54,R55,R56,R57, R58,R59,R60	CHIP RESISTOR (R1608/0/1A)	ROHM	MCR03EZPJ000	11
			KAMAYA ELECTRIC	(alternate) RMC1/16JPTP	
			KOA	(alternate) RK73Z1JTDD	
12	R42	CHIP RESISTOR (R1608/100/0.1W)	ROHM	MCR03EZPFX1000	1
			KAMAYA ELECTRIC	(alternate) RMC1/16K1000FTP	
			KOA	(alternate) RK73H1JTDD1000F	
13	R1,R3,R16,R17, R51,R52,	CHIP RESISTOR (R1608/200/0.1W)	ROHM	MCR03EZPFX2000	6
			KAMAYA ELECTRIC	(alternate) RMC1/16K2000FTP	
			KOA	(alternate) RK73H1JTDD2000F	
14	R6,R8,R10,R19, R23,R46,R47,R48	CHIP RESISTOR (R1608/1.0k/0.1W)	ROHM	MCR03EZPFX1001	8
			KAMAYA ELECTRIC	(alternate) RMC1/16K1001FTP	
			KOA	(alternate) RK73H1JTDD1001F	
15	R13,R14,R15,R18, R20,R21,R22	CHIP RESISTOR (R1608/10k/0.1W)	ROHM	MCR03EZPFX1002	7
			KAMAYA ELECTRIC	(alternate) RMC1/16K1002FTP	
			KOA	(alternate) RK73H1JTDD1002F	
16	R5,R7,R9,R35, R37,R39	CHIP RESISTOR (R1608/2.0k/0.1W)	ROHM	MCR03EZPFX2001	6
			KAMAYA ELECTRIC	(alternate) RMC1/16K2001FTP	
			KOA	(alternate) RK73H1JTDD2001F	

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17	R44,R45	CHIP RESISTOR (R1608/2.7k/0.1W)	ROHM	MCR03EZPFX2701	2
			KAMAYA ELECTRIC	(alternate) RMC1/16K2701FTP	
			KOA	(alternate) RK73H1JTDD2701F	
18	R28,R29,R30,R31, R32,R33,R34,R36, R38,R40,R41,R43	CHIP RESISTOR (R1608/680/0.1W)	ROHM	MCR03EZPFX6800	12
			KAMAYA ELECTRIC	(alternate) RMC1/16K6800FTP	
			KOA	(alternate) RK73H1JTDD6800F	
19	R25,R26,R49	CHIP RESISTOR (R3216/0/2A)	ROHM	MCR18EZPJ000	3
			KAMAYA ELECTRIC	(alternate) RMC1/8JPTP	
			KOA	(alternate) RK73Z2BTDD	
20	U1	MCU 16BIT RL78/G14 LQFP64	RENESAS	R5F104LEAFB	1
21	CNA,CNB	CONN HEADR FEMALE 20POS .1" DL AU	Sullins Connector Solutions	SFH11-PBPC-D10-ST-BK	2
22	LED1,LED2	LED 570NM GREEN WTR CLR 0805 SMD	Lumex	SML-LX0805SUGC-TR	2
		(alternate) LED 572NM GREEN CLEAR 0805 SMD	ROHM	(alternate) SML-H12M8TT86	
23	CN4	CONN PLUG 14POS 3A 300V STRT DIP	OmronElectronicsInc-EMC Div	XG4C-1431	1

Unmounted

24	R2,R4,R11,R12	CHIP RESISTOR (1.6mm * 0.8mm)	N/A	N/A	-
25	CN6	34POS 2.54MM	N/A	N/A	-
26	C5,C6,C28,C29	LMINATED CERAMIC CAPACITOR (1.6mm * 0.8mm)	N/A	N/A	-
27	Y1	CRYSTAL OSCILLATOR	N/A	N/A	-
28	TPG1,TPG2, TPG3,TPG4, TP1,TP2,TP3,TP4, TP5,TP6,TP7	TEST POINT PC MINI .040D	N/A	N/A	-