

No.	Reference	Description	Specification	Parts Number	Manufacturer	Qty	Note	
1		SC01-SC19		SC		0	Unmounted	
2		CAP1,CAP2,CAP3,CAP4,CAP5		E-PAD		0	Unmounted	
3	C1,C7,C11,C12	Ceramic Capacitor	0603, 0.1uF, 16V	GRM033R61C104KE84D	MURATA	4		
4		C2,C3		FRS-410426-02	HIROSUGI	0	Unmounted	
5	C4,C5	Ceramic Capacitor	0603, 4pF, 25V	GRM0335C1E4R0CA01D	MURATA	2		
6	C6	Ceramic Capacitor	1005, 10nF, 25V	GRM155R71E103KA01J	MURATA	1		
7	C8	Ceramic Capacitor	1608, 4.7uF, 16V	C1608X5R1C475K080AC	MURATA	1		
8	C9,C10	Ceramic Capacitor	0603, 47pF, 50V	GRM0335C1H470JA01D	MURATA	2		
9	C13,C14,C15	Ceramic Capacitor	1005, 1uF, 16V	GRM155C81C105KE11D	MURATA	3		
10	D1	Diode	Schottky,25V,1A	RB491DT146	ROHM	1		
11	D2	Diode	50V,1A	GF1A-E3/67A	VISHAY	1		
12	FL1	Ferrite Bead	2012,120ohm@100MHz,+/-25%,3A	BLM21PG121SN1	MURATA	1		
13	GROVE	Grove Connector	-	SKU110990030	SEED	1		
14		J1,J2		FFC-16BMEP1	HONDA	0	Unmounted	
15	J3,J5	Female-connector	Female,1x8Pin,2.54mm pitch,DIP	PPPC081LFBN-RC (FH2543-08GT10)	SULLINS CONNECTOR (MTCONN)	2		
16	J4	Female-connector	Female,1x6Pin,2.54mm pitch,DIP	PPPC061LFBN-RC (FH2543-06GT10)	SULLINS CONNECTOR (MTCONN)	1		
17	J6	Female-connector	Female,1x10Pin,2.54mm pitch,DIP	PPPC101LFBN-RC (FH2543-10GT10)	SULLINS CONNECTOR (MTCONN)	1		
18	J7	USB connector	USB Type-C	USB4105-GF-A	CGT	1		
19		J8		7614-6002PL	3M	0	Unmounted	
20		J9,J16		FFC-2AMEP1 (PSS-410256-02)	HONDA (HIROSUGI)	0	Unmounted	
21		J10,J11,J12		FFC-3AMEP1 (PSS-410256-03)	HONDA (HIROSUGI)	0	Unmounted	
22	J13,J14	2-pin header	2.54mm pitch, 5.8mm hight	XJ8B-0211	Omron	2		
23	J15	3-pin header	2.54mm pitch, 5.8mm hight	XJ8B-0311	Omron	1		
24	(J14) ,(J15)	Jumper	2.54mm pitch,6.5 hight	JS-1 XJ8A-0211	MAC8 Omron	2	J14 : Short J15 : 1-2pin Short	
25	LED1,LED2,LED3	LED	1608,Green	SML-D12P8WT86	ROHM	3		
26		OSC1		CSTNE12M0G52x	MURATA	0	Unmounted	
27		(OSC2)		CSTLS10M0G53x	MURATA	0	Unmounted	
28		OSC2		FRS-410426-03	HIROSUGI	0	Unmounted	
29	OSC3	Crystal oscillator	32.768kHz	SSP-T7-FL 3.7pF	SII	1		
30	PMOD1,PMOD2	Connector	2x6pin,2.54mm pitch,DIP	PPTC062LJBN-RC	SULLINS CONNECTOR	2		
31	R1,R14,R16	R17,R18,R19,R20	Resistor	1005,10K,1/16W,1%	RK73H1ETTP1002F	KOA	3	
32	R2,R3,R4		Resistor	1005,680,1/16W,1%	RK73H1ETTP6800F	KOA	3	
33	R5,R6		Resistor	1005,27,1/16W,1%	RK73H1ETTP27R0F	KOA	2	
34	R7		Resistor	1005,2K,1/16W,1%	RK73H1ETTP2001F	KOA	1	
35	R8,R9,R10,R13		Resistor	1005,1K,1/16W,1%	RK73H1ETTD1001F	KOA	4	
36	R11		Resistor	1005,0	RK73Z1ETTP	KOA	1	
37	R12		Resistor	1005,470,1/16W,1%	RK73H1ETTP4700F	KOA	1	
38	R15		Resistor	1005,100K,1/16W,1%	RK73H1ETTP1003F	KOA	1	
39	R21,R22,R23,R24,R25		Resistor	1005,560,1/16W,1%	RK73H1ETTP5600F	KOA	5	
40	R26,R27		Resistor	1005,5.1K,1/16W,1%	RK73H1ETTP5101F	KOA	2	
41	SW1,SW2	Switch	-	SKRPANE010	ALPS	2		
42		TP1		LC-22-G-RED	MAC8	0	Unmounted	
43		TP2		LC-22-G-BLACK	MAC8	0	Unmounted	
44		TP3		LC-22-G-x	MAC8	0	Unmounted	
45		(U1)		NQPACK032SA HQPAC032SA	TET	0	Unmounted	
46	U1	MCU	32pin, LQFP	R5F121BCAFP	RENESAS	1		
47	U2	IC	USB to serial UART interface	FT232RQ (FT232RNQ)	FTDI (FTDI)	1		
48	U3	Logic IC	Single, 3state buffer	SN74LVC1G126DCKR (74LVC1G126SE)	TI (DIODES)	1		
49	U4	LDO	3.3V,250mA	ISL9021AIRUNZ-T	RENESAS	1		
50		U5		ISL9021AIINZ-T	RENESAS	0	Unmounted	
*								

REVISION HISTORY	RL78/G16 Fast Prototyping Board BOM List
------------------	--

Rev	Date	Description	
		Page	Summary
1.0	May 1, 2023	-	New