

Item	Qty	Value	Reference	Tolerance	Decal	Part Name	Manufacturer	Description
1	2	33pF	C1,C2		0603	CAP0603	Generic	Surface mount capacitor case 0603
2	6	100nF	C3,C4,C25,C32-C34	5%	0603	CAP0603	Generic	Surface mount capacitor case 0603
3	1	3.3nF	C5		0603	CAP0603	Generic	Surface mount capacitor case 0603
4	1	4.7nF	C6		0603	CAP0603	Generic	Surface mount capacitor case 0603
5	1	2.2nF	C7		0603	CAP0603	Generic	Surface mount capacitor case 0603
6	2	10nF	C8,C24		0603	CAP0603	Generic	Surface mount capacitor case 0603
7	5	3.3uF	C9-C12,C21		0805	CAP0805	Generic	Surface mount capacitor case 0805
8	9	470pF	C13-C20,C29		0603	CAP0603	Generic	Surface mount capacitor case 0603
9	4	15pF	C22,C23,C30,C31		0603	CAP0603	Generic	Surface mount capacitor case 0603
10	1	10uF	C26		3528	CAP3528	Generic	Surface mount capacitor case 3528 Tantalium
11	2	47pF	C27,C28		0603	CAP0603	Generic	Surface mount capacitor case 0603
12	1		D1		SOT23	BAV70LT1	MOTOROLA	SWITCHING DIODE
13	1		D2		0603	EL19-21	Everlight	Light emitting diode green
14	2		D3,D4		SOD87WP	1N4148	Std. Diode	Standard diode
15	8		D5-D12		SOT23	BAV99LT1C	MOTOROLA	Dual series switcing diode
16	1		D13		SOT23	BAT54	Phillips	Small signal schottky diode
17	6	120	FR1-FR6		0805	BLM21A	Murata	Surface mount Ferrit bead
18	1		IC1,IC5		LLP44	LM8500HLQ9	NSC	4 wire resistive touchscreen controller
19	1		IC2		SOT23-5	LP2985IM-5	NSC	LDO Regulator 5V
20	2		IC3,IC7		SOT23-5	LM7301IM5	NSC	General purpose op-amp R-t-R 1MHz
21	1		IC4		SOT23-5	LM2665	NSC	Switch cap converter (Voltage doubler)
22	1		IC6		CSP28	USBN9603SLB	NSC	USB controller with uWire
23	1		J1			ICE_HOOK	Generic	Dual line 2.54 spaced header (2*7)
24	1		J2			CON-DB9HF-PCB	Generic	PCB header for RS-232
25	1		J3			MPT0.5/2-2.54	Phoenix	Generic 2.54 spaced connector
26	6		J4-J7,J12,J13			CON-SIP-3P	Generic	Generic 3 pin sip header 2.54 spacing
27	3		J8,J14,J15			CON-SIP-8P	Generic	Generic 8 pin sip header 2.54 spacing
28	1		J9		RJ11	RJ11	Generic	RJ11 connector
29	1		J10			CON-SIP-14P	Generic	Generic 14 pin sip header 2.54 spacing
30	1		J11		USB_B_90	787780-1	Generic	90 Deg USB connector
31	2		J16-J17			CON-SIP-5P	Generic	Generic 5 pin sip header 2.54 spacing
32	1		J18		FH3-8S-1_25_DS	FH3-8S-1.25DS	Generic	8-wire TSC interface
33	1		J19		AMP_103634_4	AMP_103634_4	AMP	5-wire TSC interface
34	1		J20		TSC_connector	CA-4		4-wire TSC interface
35	2		J21,J22			CON-SIP-4P	Generic	Generic 4 pin sip header 2.54 spacing
36	3	1M	R1,R19,R20	5%	0603	RES0603	Generic	Surface mount resistor case 0603
37	1	270	R2	5%	0603	RES0603	Generic	Surface mount resistor case 0603
38	9	10k	R3-R5,R8-R12,R22	5%	0603	RES0603	Generic	Surface mount resistor case 0603
39	1	2.2k	R6	5%	0603	RES0603	Generic	Surface mount resistor case 0603
40	1	10	R7	5%	0603	RES0603	Generic	Surface mount resistor case 0603
41	5	14V	R13-R17	-	0805	FERR0805	AVX	Surface mount ESD protection
42	1	1.5k	R18	5%	0603	RES0603	Generic	Surface mount resistor case 0603
43	1	100k	R21	5%	0603	RES0603	Generic	Surface mount resistor case 0603
44	3		Q1-Q3		SOT23	BC847CLT1	MOTOROLA	GENERAL PURPOSE NPN SILICON TRANSISTOR
45	2		S1,S2			SKHUAF	Alps	SMD Push button
46	1	10MHz	X1		HC49-SMD	HC49	Koyama	CRYSTAL (Surface mount type)
47	1	24MHz	X2		HC49-SMD	HC49	Koyama	CRYSTAL (Surface mount type)
48	1	32kHz	X3		SM-26F-B	SM-26F-B		CRYSTAL (Surface mount type)

For 3.0V system exchange the following components

Item	Qty	Value	Reference	Tolerance	Decal	Part Name	Manufacturer	Description
1	2	15pF	C1,C2		0603	CAP0603	Generic	Surface mount capacitor case 0603
19	1	3V	IC2		SOT23-5	LP2985-3	NSC	LDO Regulator 3V
46	1	3.2678MHz	X1		HC49-SMD	HC49	Koyama	CRYSTAL (Surface mount type)
18	1		IC1,IC5		LLP44	LM8300HLQ9	NSC	4 wire resistive touchscreen controller