

Parts	Maker	Type	Value	Unit	Qty.	Remarks	(SHOP)
mbed	NXP	mbed NXP LPC1768			1		
LCD		SC1602BBWB-XA-LB-G			1	LCD 16x2 3.3V	AKIZUKI
PSU	COSEL	SUW30512C			1		RS
IC	JRC	NJM2845DL1-33			1		AKIZUKI
IC		74VHC125F			1	SOP14	
IC		TLP552			1	DIP8P	
IC	ATMEL	ATMEGA328P-AU			1		AKIZUKI
IC	TOSHIBA	TD62083AFG			1		AKIZUKI
IC	ADI	AD5551BRZ			1	SO8	RS
IC		TL072CDRG4			1		
IC	ADI	ADG408BRZ			1		RS
IC		TL064ID			2		
IC		TL062ID			2		
TRANSISTOR		2SC2712-Y			1		AKIZUKI
DIODE		1S3			3		AKIZUKI
DIODE		1S2076A			6		AKIZUKI
LED		SML011BBT			5		AKIZUKI
CAPACITOR			220	p	2	POLYESTER FILM	
CAPACITOR			470	p	4	POLYESTER FILM	
CAPACITOR	TK	2AUPZ472JE	0.0047	u	8	POLYPROPYLENE FILM	ELESHOP
CAPACITOR			0.1	u	25	MULTI LAYER CERAMIC	
CAPACITOR			2.2	u	1	ELECTROLYTIC	
CAPACITOR			2.2	u	2	NON-POLAR	
CAPACITOR			10	u	2	NON-POLAR	
CAPACITOR			47	u	3	ELECTROLYTIC	
CAPACITOR			100	u	3	ELECTROLYTIC	
RESISTOR			150		1	1/4W Small or 1/6W	
RESISTOR			220		3	1/4W Small or 1/6W	
RESISTOR			1	k	21	1/4W Small or 1/6W	
RESISTOR			3.3	k	1	1/4W Small or 1/6W	
RESISTOR			6.2	k	2	1/4W Small or 1/6W	
RESISTOR			6.8	k	1	1/4W Small or 1/6W	
RESISTOR			10	k	2	1/4W Small or 1/6W	
RESISTOR			13	k	2	1/4W Small or 1/6W	
RESISTOR			22	k	8	1/4W Small or 1/6W	
RESISTOR			47	k	6	1/4W Small or 1/6W	
RESISTOR			82	k	1	1/4W Small or 1/6W	
RESISTOR			100	k	9	1/4W Small or 1/6W	
RESISTOR			1	M	1	1/4W Small or 1/6W	
RESISTOR	KOA	MFS1/4	10	k	2	1%MF	MARUTSU
POT	ALPS	RK09K1130A5R	10	k	4	LM1=20mm	ALPS
TRIMMER	BURNS	3362P-1-103LF	10	k	2		AKIZUKI
TRIMMER	BURNS	3362P-1-503LF	50	k	1		AKIZUKI
TRIMMER	BURNS	3362P-1-202LF	2	k	2		AKIZUKI
BUZZER	muRata	PKM13EPYH4000-A0			1		AKIZUKI
FUSE		RLD60P050X	0.5	A	2	POLY SWITCH	AKIZUKI
SWITCH	OMRON	A6ER-4104			1		RS
SWITCH	ALPS	SKHHDHA010			4	h=17mm	ALPS
JACK	MARUSHIN	MJ-179P			1	(2DC0005D100)	AKIZUKI
JACK	MARUSHIN	MJ-355			15		MARUTSU
JACK	MARUSHIN	MJ-354W-SG			1		MARUTSU
CONNECTOR	HRS	DM3AT-SF-PEJ			1		AKIZUKI
CONNECTOR	HOSIDEN	TCS4450-0141577			4		FURUTAKA
CONNECTOR		J0011D21BNL			1		AKIZUKI
CONNECTOR		USB Mini-B			1		AKIZUKI
CONNECTOR		USB Standard-A			1		AKIZUKI
PIN SOCKET		PIN SOCKET 1x5P			1	LCD SIDE	
PIN SOCKET		PIN SOCKET 1x20P			4		
PIN HEADDER		PIN HEADDER 1x2P			3		
PIN HEADDER		PIN HEADDER 1x5P			1		
PIN HEADDER		PIN HEADDER 2x3P			3		
PIN HEADDER		PIN HEADDER 2x7P			1		
PIN HEADDER		PIN HEADDER 1x20P			2		
PIN HEADDER		PIN HEADDER L1x5P			1		

No	PCB	PartNo	Maker	Type	Value	Unit	Remarks
1	MAIN	mbed	NXP	mbed NXP LPC1768			
2	MAIN	LCD		SC1602BBWB-XA-LB-G			LCD 16x2 3.3V
3	MAIN	PSU1	COSEL	SUW30512C			
4	MAIN	U1	JRC	NJM2845DL1-33			
5	MAIN	U2		74VHC125F			SOP14
6	MAIN	U3		TLP552			DIP8P
7	MAIN	U4	ATMEL	ATMEGA328P-AU			
8	MAIN	U5	TOSHIBA	TD62083AFG			
9	MAIN	U6	ADI	AD5551BRZ			SO8
10	MAIN	U7		TL072CDRG4			
11	MAIN	U8	ADI	ADG408BRZ			
12	MAIN	U9		TL064ID			
13	MAIN	U10		TL064ID			
14	MAIN	U11		TL062ID			
15	MAIN	U12		TL062ID			
16	MAIN	Q1		2SC2712-Y			
17	MAIN	D1		1S3			
18	MAIN	D2		1S3			NOT INSTALL
19	MAIN	D3		1S3			NOT INSTALL
20	MAIN	D4		1S3			
21	MAIN	D5		1S3			NOT INSTALL
22	MAIN	D6		1S3			
23	MAIN	D7		1S2076A			
24	MAIN	D8		1S2076A			
25	MAIN	D9		1S2076A			
26	MAIN	D10		1S2076A			
27	MAIN	D11		1S2076A			
28	MAIN	D12		1S2076A			
29	MAIN	C1			0.1	u	
30	MAIN	C2			100	u	ELECTROLYTIC
31	MAIN	C3			47	u	ELECTROLYTIC
32	MAIN	C4			0.1	u	
33	MAIN	C5			0.1	u	
34	MAIN	C6			100	u	ELECTROLYTIC
35	MAIN	C7			0.1	u	
36	MAIN	C7			100	u	ELECTROLYTIC
37	MAIN	C8			0.1	u	
38	MAIN	C9			0.1	u	
39	MAIN	C10			0.1	u	
40	MAIN	C11			2.2	u	ELECTROLYTIC
41	MAIN	C12			0.1	u	
42	MAIN	C13			0.1	u	
43	MAIN	C14			0.1	u	
44	MAIN	C15			0.1	u	
45	MAIN	C16			0.1	u	
46	MAIN	C17			0.1	u	
47	MAIN	C18			0.1	u	
48	MAIN	C19			0.1	u	
49	MAIN	C20	TK	2AUPZ472JE	0.0047	u	POLYPROPYLENE FILM
50	MAIN	C21	TK	2AUPZ472JE	0.0047	u	POLYPROPYLENE FILM
51	MAIN	C22	TK	2AUPZ472JE	0.0047	u	POLYPROPYLENE FILM
52	MAIN	C23	TK	2AUPZ472JE	0.0047	u	POLYPROPYLENE FILM
53	MAIN	C24	TK	2AUPZ472JE	0.0047	u	POLYPROPYLENE FILM
54	MAIN	C25	TK	2AUPZ472JE	0.0047	u	POLYPROPYLENE FILM
55	MAIN	C26	TK	2AUPZ472JE	0.0047	u	POLYPROPYLENE FILM
56	MAIN	C27	TK	2AUPZ472JE	0.0047	u	POLYPROPYLENE FILM
57	MAIN	C28			0.1	u	
58	MAIN	C29			0.1	u	

No	PCB	PartNo	Maker	Type	Value	Unit	Remarks
59	MAIN	C30			0.1	u	
60	MAIN	C31			0.1	u	
61	MAIN	C32			470	p	POLYESTER FILM
62	MAIN	C33			470	p	POLYESTER FILM
63	MAIN	C34			10	u	NON-POLAR
64	MAIN	C35			10	u	NON-POLAR
65	MAIN	C36			2.2	u	NON-POLAR
66	MAIN	C37			2.2	u	NON-POLAR
67	MAIN	C38			470	p	POLYESTER FILM
68	MAIN	C39			470	p	POLYESTER FILM
69	MAIN	C40			220	p	POLYESTER FILM
70	MAIN	C41			220	p	POLYESTER FILM
71	MAIN	C43			0.1	u	
72	MAIN	C44			0.1	u	
73	MAIN	C45			47	u	ELECTROLYTIC
74	MAIN	C46			0.1	u	
75	MAIN	C49			0.1	u	
76	MAIN	C50			0.1	u	
77	MAIN	C51			47	u	ELECTROLYTIC
78	MAIN	R1			18	k	NOT INSTALL
79	MAIN	R2			470		NOT INSTALL
80	MAIN	R3			150		
81	MAIN	R4			220		
82	MAIN	R5			220		
83	MAIN	R6			1	k	
84	MAIN	R7			220		
85	MAIN	R8	KOA	MFS1/4	10	k	1%MF
86	MAIN	R9	KOA	MFS1/4	10	k	1%MF
87	MAIN	R10			1	M	
88	MAIN	R11			47	k	
89	MAIN	R12			82	k	
90	MAIN	R13			100	k	
91	MAIN	R14			47	k	
92	MAIN	R15			1	k	
93	MAIN	R16			1	k	
94	MAIN	R17			1	k	
95	MAIN	R18			1	k	
96	MAIN	R19			1	k	
97	MAIN	R20			1	k	
98	MAIN	R21			1	k	
99	MAIN	R22			1	k	
100	MAIN	R23			100	k	
101	MAIN	R24			100	k	
102	MAIN	R25			22	k	
103	MAIN	R26			22	k	
104	MAIN	R27			1	k	
105	MAIN	R28			1	k	
106	MAIN	R29			100	k	
107	MAIN	R30			100	k	
108	MAIN	R31			100	k	
109	MAIN	R32			100	k	
110	MAIN	R33			47	k	
111	MAIN	R34			47	k	
112	MAIN	R35			47	k	
113	MAIN	R36			47	k	
114	MAIN	R37			22	k	
115	MAIN	R38			22	k	
116	MAIN	R39			13	k	

No	PCB	PartNo	Maker	Type	Value	Unit	Remarks
117	MAIN	R40			13	k	
118	MAIN	R41			6.2	k	
119	MAIN	R42			6.2	k	
120	MAIN	R43			6.8	k	
121	MAIN	R44			3.3	k	
122	MAIN	R45			1	k	
123	MAIN	R46			1	k	
124	MAIN	R47			10	k	
125	MAIN	R48			1	k	
126	MAIN	R49			1	k	
127	MAIN	R50			1	k	
128	MAIN	R51			1	k	
129	MAIN	R52			22	k	
130	MAIN	R53			22	k	
131	MAIN	R54			22	k	
132	MAIN	R55			22	k	
133	MAIN	R56			1	k	
134	MAIN	R57			1	k	
135	MAIN	R58			1	k	
136	MAIN	R59			1	k	
137	MAIN	R60			100	k	
138	MAIN	R61			100	k	
139	MAIN	R62					NOT INSTALL
140	MAIN	R63					NOT INSTALL
141	MAIN	R64			10	k	
142	MAIN	VR1	BURNS	3362P-1-502LF	5	k	NOT INSTALL
143	MAIN	VR2	BURNS	3362P-1-103LF	10	k	
144	MAIN	VR3	BURNS	3362P-1-503LF	50	k	CV OFFSET
145	MAIN	VR4	BURNS	3362P-1-103LF	10	k	CV GAIN
146	MAIN	VR5	BURNS	3362P-1-202LF	2	k	
147	MAIN	VR6	BURNS	3362P-1-202LF	2	k	
148	MAIN	BZ	muRata	PKM13EPYH4000-A0			
149	MAIN	F1		RLD60P050X	0.5	A	
150	MAIN	F2		RLD60P050X	0.5	A	NOT INSTALL
151	MAIN	SW1	OMRON	A6ER-4104			
152	MAIN	CN1A		PIN SOCKET 1x20P			
153	MAIN	CN1B		PIN SOCKET 1x20P			
154	MAIN	CN2		PIN HEADDER 2x7P			
155	MAIN	CN3		PIN HEADDER 1x5P			
156	MAIN	CN4		J0011D21BNL			
157	MAIN	CN5		USB Mini-B			
158	MAIN	CN6		USB Standard-A			
159	MAIN	CN7	HRS	DM3AT-SF-PEJ			
160	MAIN	CN8		PIN HEADDER L1x5P			
161	MAIN	CN9		PIN HEADDER 1x20P			
162	MAIN	CN10		PIN HEADDER 1x20P			
163	MAIN	CN11	HOSIDEN	TCS4450-0141577			MIDI IN
164	MAIN	CN12	HOSIDEN	TCS4450-0141577			MIDI OUT
165	MAIN	CN13	HOSIDEN	TCS4450-0141577			DIN SYNC1
166	MAIN	CN14	HOSIDEN	TCS4450-0141577			DIN SYNC2
167	MAIN	J1	MARUSHIN	MJ-179P			2DC0005D100
168	MAIN	J2	MARUSHIN	MJ-354W-SG			AUDIO OUT
169	MAIN	JP1		PIN HEADDER 1x2P			NOT INSTALL
170	MAIN	JP2		PIN HEADDER 1x2P			RESET ENABLE
171	MAIN	JP3		PIN HEADDER 1x2P			SPI ENABLE
172	MAIN	JP4		PIN HEADDER 1x2P			
173	MAIN	JP6,7		PIN HEADDER 2x3P			
174	MAIN	JP8,9		PIN HEADDER 2x3P			

No	PCB	PartNo	Maker	Type	Value	Unit	Remarks
175	MAIN	JP10		PIN HEADER 2x3P			AVRISP
176	JACK	LED1		SML011BBT			
177	JACK	LED2		SML011BBT			
178	JACK	LED3		SML011BBT			
179	JACK	LED4		SML011BBT			
180	JACK	LED5		SML011BBT			
181	JACK	C			0.1	u	
182	JACK	VR1	ALPS	RK09K1130A5R	10	k	20mm
183	JACK	VR2	ALPS	RK09K1130A5R	10	k	20mm
184	JACK	VR3	ALPS	RK09K1130A5R	10	k	20mm
185	JACK	VR4	ALPS	RK09K1130A5R	10	k	20mm
186	JACK	SW1	ALPS	SKHHDHA010			
187	JACK	SW2	ALPS	SKHHDHA010			
188	JACK	SW3	ALPS	SKHHDHA010			
189	JACK	SW4	ALPS	SKHHDHA010			
190	JACK	CN9		PIN SOCKET 1x20P			
191	JACK	CN10		PIN SOCKET 1x20P			
192	JACK	J1	MARUSHIN	MJ-355			CV1
193	JACK	J2	MARUSHIN	MJ-355			CV2
194	JACK	J3	MARUSHIN	MJ-355			CV3
195	JACK	J4	MARUSHIN	MJ-355			CV4
196	JACK	J5	MARUSHIN	MJ-355			CV5
197	JACK	J6	MARUSHIN	MJ-355			CV6
198	JACK	J7	MARUSHIN	MJ-355			CV7
199	JACK	J8	MARUSHIN	MJ-355			CV8
200	JACK	J9	MARUSHIN	MJ-355			GATE1
201	JACK	J10	MARUSHIN	MJ-355			GATE2
202	JACK	J11	MARUSHIN	MJ-355			GATE3
203	JACK	J12	MARUSHIN	MJ-355			GATE4
204	JACK	J13	MARUSHIN	MJ-355			IN 1
205	JACK	J14	MARUSHIN	MJ-355			IN 2
206	JACK	J15	MARUSHIN	MJ-355			GATE IN