

#	Part Reference	Description	Manufacturer	P/N
1	BAT1	Fassung Li-Batterie CR2032 SMD	Renata	SMTU 2032-LF
2	C1	47pF 10% 50V C0G/NP0 0402		
3	C2	100nF 10% 16V X7R 0402		
4	C3	100nF 10% 16V X7R 0402		
5	C4	100nF 10% 16V X7R 0402		
6	C5	100nF 10% 16V X7R 0402		
7	C6	100nF 10% 16V X7R 0402		
8	C7	100nF 10% 16V X7R 0402		
9	C8	100nF 10% 16V X7R 0402		
10	C9	10pF 5% 20V C0G/NP0 0402		
11	C10	10pF 5% 20V C0G/NP0 0402		
12	C11	10pF 5% 20V C0G/NP0 0402		
13	C12	10pF 5% 20V C0G/NP0 0402		
14	C14	100nF 10% 16V X7R 0402		
15	C15	1uF 20% 6,3V X5R/X7R 0402		
16	C16	1uF 20% 6,3V X5R/X7R 0402		
17	C17	100nF 10% 16V X7R 0402		
18	C19	100nF 10% 16V X7R 0402		
19	C20	100nF 10% 16V X7R 0402		
20	C22	100nF 10% 16V X7R 0402		
21	C23	100nF 10% 16V X7R 0402		
22	C24	100nF 10% 16V X7R 0402		
23	C25	100nF 10% 16V X7R 0402		
24	C26	100nF 10% 16V X7R 0402		
25	C27	100nF 10% 16V X7R 0402		
26	C28	10uF 20% 6,3V X5R 0603		
27	C29	100nF 10% 16V X7R 0402		
28	C30	10uF 20% 6,3V X5R 0603		
29	C31	10uF 20% 6,3V X5R 0603		
30	C32	22pF 5% 25V C0G/NP0 0402		
31	C33	22pF 5% 25V C0G/NP0 0402		
32	C34	100nF 10% 16V X7R 0402		
33	C35	150uF 20% 6,3V 1411 Typ: B		
34	C36	100nF 10% 16V X7R 0402		
35	C37	150uF 20% 6,3V 1411 Typ: B		
36	C38	100nF 10% 16V X7R 0402		
37	C39	100nF 10% 16V X7R 0402		
38	C40	4,7uF 10% 6,3V X5R 0805		
39	C41	100nF 10% 16V X7R 0402		
40	C42	100nF 10% 16V X7R 0402		
41	C44	100nF 10% 16V X7R 0402		
42	C45	100nF 10% 16V X7R 0402		
43	C46	10uF 20% 6,3V X5R 0603		
44	C47	10nF 10% 16V X7R 0402		
45	C48	10uF 20% 6,3V X5R 0603		
46	C49	100nF 10% 16V X7R 0402		
47	C50	100nF 10% 16V X7R 0402		
48	C51	100nF 10% 16V X7R 0402		
49	C52	10uF 20% 6,3V X5R 0603		
50	C53	100nF 10% 16V X7R 0402		
51	C54	100nF 10% 16V X7R 0402		
52	C55	10uF 20% 6,3V X5R 0603		
53	C56	1uF 20% 6,3V X5R/X7R 0402		
54	C57	47pF 10% 50V C0G/NP0 0402		
55	C58	1uF 20% 6,3V X5R/X7R 0402		
56	C59	47pF 10% 50V C0G/NP0 0402		
57	C60	1uF 20% 6,3V X5R/X7R 0402		
58	C61	1uF 20% 6,3V X5R/X7R 0402		
59	C62	1uF 20% 6,3V X5R/X7R 0402		
60	C63	100nF 10% 16V X7R 0402		
61	C64	100nF 10% 16V X7R 0402		
62	C65	100nF 10% 16V X7R 0402		
63	C66	100nF 10% 16V X7R 0402		
64	C67	100nF 10% 16V X7R 0402		
65	C68	100nF 10% 16V X7R 0402		
66	C69	100nF 10% 16V X7R 0402		
67	C70	100nF 10% 16V X7R 0402		
68	C71	100nF 10% 16V X7R 0402		
69	C72	100nF 10% 16V X7R 0402		
70	C73	100nF 10% 16V X7R 0402		
71	C74	100nF 10% 16V X7R 0402		
72	C75	100nF 10% 16V X7R 0402		
73	C76	100nF 10% 16V X7R 0402		

74	C77	100nF 10% 16V X7R 0402		
75	C78	100nF 10% 16V X7R 0402		
76	C80	10uF 20% 6,3V X5R 0603		
77	C81	100nF 10% 16V X7R 0402		
78	C82	100nF 10% 16V X7R 0402		
79	C83	10uF 20% 6,3V X5R 0603		
80	C84	100nF 10% 16V X7R 0402		
81	C85	47uF 20% 6,3V X5R 0805		
82	C86	47uF 20% 6,3V X5R 0805		
83	C87	47uF 20% 6,3V X5R 0805		
84	C88	47uF 20% 6,3V X5R 0805		
85	C89	47uF 20% 6,3V X5R 0805		
86	C90	10uF 20% 6,3V X5R 0603		
87	C91	100nF 10% 16V X7R 0402		
88	C92	100nF 10% 16V X7R 0402		
89	C93	100nF 10% 16V X7R 0402		
90	C94	100nF 10% 16V X7R 0402		
91	C95	10uF 20% 6,3V X5R 0603		
92	C96	100nF 10% 16V X7R 0402		
93	C97	22pF 5% 25V C0G/NP0 0402		
94	C98	100nF 10% 16V X7R 0402		
95	C99	10uF 20% 6,3V X5R 0603		
96	C100	10nF 10% 16V X7R 0402		
97	C101	10nF 10% 16V X7R 0402		
98	C102	10nF 10% 16V X7R 0402		
99	C103	10nF 10% 16V X7R 0402		
100	C104	100nF 10% 16V X7R 0402		
101	C105	100nF 10% 16V X7R 0402		
102	C106	100nF 10% 16V X7R 0402		
103	C107	100nF 10% 16V X7R 0402		
104	C108	100nF 10% 16V X7R 0402		
105	C109	100nF 10% 16V X7R 0402		
106	C110	10uF 20% 6,3V X5R 0603		
107	C111	100nF 10% 16V X7R 0402		
108	C112	10uF 20% 6,3V X5R 0603		
109	C113	1uF 20% 6,3V X5R/X7R 0402		
110	C114	100nF 10% 16V X7R 0402		
111	C119	220uF 20% 10V 2312 Typ: C		
112	C120	10uF 20% 6,3V X5R 0603		
113	C121	100pF 5% 25V C0G/NP0 0402		
114	C122	560pF 5% 25V X7R 0402		
115	C123	100nF 10% 16V X7R 0402		
116	C124	47uF 20% 6,3V X5R 0805		
117	C125	100nF 10% 16V X7R 0402		
118	C126	10uF 20% 6,3V X5R 0603		
119	C127	22pF 5% 25V C0G/NP0 0402		
120	C128	100nF 10% 16V X7R 0402		
121	C129	10uF 20% 6,3V X5R 0603		
122	C130	100nF 10% 16V X7R 0402		
123	C134	10uF 20% 6,3V X5R 0603		
124	C136	47pF 10% 50V C0G/NP0 0402		
125	C137	47pF 10% 50V C0G/NP0 0402		
126	C138	47pF 10% 50V C0G/NP0 0402		
127	C139	47pF 10% 50V C0G/NP0 0402		
128	C140	100nF 10% 16V X7R 0402		
129	C141	1uF 20% 6,3V X5R/X7R 0402		
130	D1	2 Channel ESD Protection TVS Diode SOT-23-3	Littlefuse Inc.	PGB102ST23WR
131	D3	MMBZ5233BLT1G 5% 6V 225mA SOT-23-3	ONsemi	MMBZ5233BLT1G
132	D4	TVS DIODE 5V 9.2V DO214AA	Littlefuse Inc.	SMBJ5.0A
133	D5	2 Channel ESD Protection TVS Diode SOT-23-3	Littlefuse Inc.	PGB102ST23WR
134	D6	2 Channel ESD Protection TVS Diode SOT-23-3	Littlefuse Inc.	PGB102ST23WR
135	D7	2 Channel ESD Protection TVS Diode SOT-23-3	Littlefuse Inc.	PGB102ST23WR
136	D8	4 Channel 5,5V TVS Diode Array SOT-23-6	Diodes	D1213A-04TS-7
137	D9	BAT54CW 30V 200mA Dual Common Cathode SOT-323	Diodes	BAT54CW-7-F
138	D10	BAT54CW 30V 200mA Dual Common Cathode SOT-323	Diodes	BAT54CW-7-F
139	D11	2 Channel ESD Protection TVS Diode SOT-23-3	Littlefuse Inc.	PGB102ST23WR
140	D14	2 Channel ESD Protection TVS Diode SOT-23-3	Littlefuse Inc.	PGB102ST23WR
141	F1	Chip Fuse 32V 750mA 0805	Vishay	MFU0805FF00750P100
142	F2	Chip Fuse 32V 750mA 0805	Vishay	MFU0805FF00750P100
143	F3	Chip Fuse 32V 750mA 0805	Vishay	MFU0805FF00750P100
144	F6	Chip Fuse 32V 750mA 0805	Vishay	MFU0805FF00750P100
145	F7	Chip Fuse 32V 750mA 0805	Vishay	MFU0805FF00750P100
146	IC1	TSC2004IRTJR / QFN20 / SMD / I2C Touch Controller	Texas Instruments	TSC2004IRTJR
147	IC2	TPD4E05U06DQAR UDFN10 HDMI ESD protect	Texas Instruments	TPD4E05U06DQAR

148	IC3	USB2514B C-Temp.	Microchip	USB2514BT/M2 (T/R)
149	IC4	MIC2026-1 USB Power Switch	Microchip	MIC2026-1
150	IC5	IP4254CZ16-8-TTL,1 4-,6- and 8-Channel pass. filter EMI	Nexperia USA Inc.	IP4254CZ16-8-TTL,1
151	IC6	SGTL5000 I2S Codec I-Temp.	NXP	SGTL5000XNAA3
152	IC7	LDO 3V 500mA TSOT23-5 SMD	Diodes	AP7365-30WG-7
153	IC8	TJA1051T/3	NXP	TJA1051T/3,118
154	IC9	TJA1051T/3	NXP	TJA1051T/3,118
155	IC10	SP3232ECY SMD TSSOP16 C-Temp.	Texas Instruments	MAX3232CPW
156	IC11	SP3232ECY SMD TSSOP16 C-Temp.	Texas Instruments	MAX3232CPW
157	IC12	SN75HVD12D SMD SO-8 C-Temp.	Texas Instruments	SN75HVD12D
158	IC13	TPS73001DBVR 200mA ADJ SOT-23-6	Texas Instruments	TPS73001DBVR
159	IC14	IP4254CZ16-8-TTL,1 4-,6- and 8-Channel pass. filter EMI	Nexperia USA Inc.	IP4254CZ16-8-TTL,1
160	IC15	RT8070ZQW ADJ 4A Sync WDFN-8 (-40Â°C bis 85Â°C)	Richtek	RT8070ZQW
161	IC16	ADP171AUJZ-R7 ADJ 300mA VIN max. 3,6V TSOT-5 SMD	Analog Devices	ADP171AUJZ-R7
162	IC17	NCP303LSN30T1G 3V TSOP-5	ONSem	NCP303LSN30T1G
163	IC18	TPD4E05U06DQAR UDFN10 HDMI ESD protect	Texas Instruments	TPD4E05U06DQAR
164	IC19	TPS26601 eFuse 60V 2A VQFN-24	Texas Instruments	TPS26601RHFT
165	IC20	AP2141 SMD SOT23-5 USB Power Switch single	Diodes	AP2141AW-7
166	IC21	IP4254CZ16-8-TTL,1 4-,6- and 8-Channel pass. filter EMI	Nexperia USA Inc.	IP4254CZ16-8-TTL,1
167	J1	MXM2 connector 230pin	Foxconn	ASOB326-S78N-7F
168	J2	Stiftl. mit Wanne 34 pol. 2 reih. stehend SMD RM1,27	Nexus	1171V34BT00
169	J4	Stiftl. 6 pol. crimpable liegend RM:1.25	Hirose	DF13-6P-1.25H(20)
170	J5	Stiftl. 6 pol. crimpable liegend RM:1.25	Hirose	DF13-6P-1.25H(20)
171	J6	CONN RCPT 19 POS HDMI RA SMD	Molex	47151-0001
172	J9	USB-Mini-Einbaukupplung liegend SMD	Würth Elektronik	651 005 161 21
173	J17	mini PCIe SMD 52 pin	JAE	MM60-52B1-E1-R650
174	J18	FPC 24 pol. 0,5mm side entry SMT	TE Connectivity	2-1734592-4
175	J20	FPC 15 pol. 1,0mm side / SMT	FCI	SFW15R-1STE1LF
176	J23	SD-CARD Steckverbinder liegende Ausführung	Taitek	SD-9PIN-A-TR
177	J24	FPC 30 pol. 1.00mm side entry SMT	ES&S	STE-FI-X30S-HF-NPB-TW
178	J28	SD-CARD Micro Steckverbinder push-pull	Würth Elektronik	693 071 010 811
179	J30	Micro SIM Steckverbinder push-push	JAE	SF56K006VBAR2000
180	L1	WE-CBF 25% 700R 90MHz EMI 1206	Würth Elektronik	74279218
181	L2	WE-CBF 25% 700R 90MHz EMI 1206	Würth Elektronik	74279218
182	L3	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
183	L4	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
184	L5	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
185	L6	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
186	L7	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
187	L8	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
188	L10	Common Mode Choke 20% 2x 90 Ohm 0805	Würth Elektronik	744231091
189	L11	WE-CBF 25% 700R 90MHz EMI 1206	Würth Elektronik	74279218
190	L12	WE-CBF 25% 700R 90MHz EMI 1206	Würth Elektronik	74279218
191	L13	Common Mode Choke 20% 2x 90 Ohm 0805	Würth Elektronik	744231091
192	L14	Common Mode Choke 20% 2x 90 Ohm 0805	Würth Elektronik	744231091
193	L15	WE-CBF 25% 700R 90MHz EMI 1206	Würth Elektronik	74279218
194	L16	Common Mode Choke 20% 2x 90 Ohm 0805	Würth Elektronik	744231091
195	L17	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
196	L18	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
197	L19	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
198	L20	Common Mode Choke 20% 2x 90 Ohm 0805	Würth Elektronik	744231091
199	L21	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
200	L22	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
201	L23	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
202	L24	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
203	L25	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
204	L26	Ferritperlen 25% 120R 100MHz 0603	Taiyo Yuden	BK1608HS121-T
205	L27	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
206	L28	2x470uH 1,6A SMD	Würth Elektronik	744 272 471
207	L29	2,2uH/4A	Würth Elektronik	744 040 540 22
208	L30	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
209	L31	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
210	L32	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
211	L33	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
212	L35	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
213	L36	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
214	L37	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
215	L38	Common Mode Choke 20% 2x 90 Ohm 0504	Murata	DLP11SN900HL2L
216	LED1	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T
217	LED2	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T
218	LED3	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T
219	LED4	LED Green/Yellow View 130Â° mount right angle	Lite-On Inc.	LTST-S326KGJSKT
220	LED5	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T
221	LED6	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T

222	LED7	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T
223	LED8	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T
224	LED9	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T
225	LED10	LED Yellow View 120Â° 0603	Everlight Electronics	19-217/Y5C-AP1Q2/3T
226	Q1	24MHz 12pF 3.2x2.5 SMD	Epson	Q22FA2380038014
227	R1	10k 1/16W 1% SMD 0402		
228	R2	10k 1/16W 1% SMD 0402		
229	R3	10k 1/16W 1% SMD 0402		
230	R4	4k7 1/16W max 5% SMD 0402		
231	R5	0R00 0,25W max 5% SMD 1206		
232	R7	22k 1/16W 1% SMD 0402		
233	R8	47k 1/16W 1% SMD 0402		
234	R9	4k7 1/16W max 5% SMD 0402		
235	R10	100k 1/16W 1% SMD 0402		
236	R11	10k 1/16W 1% SMD 0402		
237	R12	47k 1/16W 1% SMD 0402		
238	R13	4k7 1/16W max 5% SMD 0402		
239	R14	100k 1/16W 1% SMD 0402		
240	R15	10k 1/16W 1% SMD 0402		
241	R16	4k7 1/16W max 5% SMD 0402		
242	R17	0R 1/16W max 5% SMD 0402		
243	R18	0R 1/16W max 5% SMD 0402		
244	R19	10R 1/16W 1% SMD 0402		
245	R20	10R 1/16W 1% SMD 0402		
246	R21	10R 1/16W 1% SMD 0402		
247	R22	4k7 1/16W max 5% SMD 0402		
248	R23	4k7 1/16W max 5% SMD 0402		
249	R24	10k 1/16W 1% SMD 0402		
250	R25	10k 1/16W 1% SMD 0402		
251	R26	24k 1/16W 1% SMD 0402		
252	R27	10k 1/16W 1% SMD 0402		
253	R28	0R 1/16W max 5% SMD 0402		
254	R29	402k 1/16W 1% SMD 0402		
255	R30	15k 1/10W 1% SMD 0603		
256	R31	0R 1/16W max 5% SMD 0402		
257	R32	0R00 0,125W max 5% SMD 0805		
258	R35	0R 1/16W max 5% SMD 0402		
259	R36	1M 1/16W 1% SMD 0402		
260	R37	12k 1/16W 1% SMD 0402		
261	R38	10k 1/16W 1% SMD 0402		
262	R39	10k 1/16W 1% SMD 0402		
263	R40	10k 1/16W 1% SMD 0402		
264	R41	10k 1/16W 1% SMD 0402		
265	R42	10k 1/16W 1% SMD 0402		
266	R43	300R 1/16W 1% SMD 0402		
267	R44	300R 1/16W 1% SMD 0402		
268	R45	0R00 0,125W max 5% SMD 0805		
269	R46	300R 1/16W 1% SMD 0402		
270	R47	300R 1/16W 1% SMD 0402		
271	R48	4k7 1/16W max 5% SMD 0402		
272	R49	1k 1/16W 1% SMD 0402		
273	R50	1k 1/16W 1% SMD 0402		
274	R51	620k 1/16W 1% SMD 0402		
275	R53	2k 1/16W 1% SMD 0402		
276	R54	120R 0,125W 1% SMD 0805		
277	R55	120R 0,125W 1% SMD 0805		
278	R58	0R00 0,125W max 5% SMD 0805		
279	R59	0R 1/16W max 5% SMD 0402		
280	R60	0R 1/16W max 5% SMD 0402		
281	R61	1k 1/16W 1% SMD 0402		
282	R62	1k 1/16W 1% SMD 0402		
283	R63	1k 1/16W 1% SMD 0402		
284	R66	0R 1/16W max 5% SMD 0402		
285	R67	30k1 1/16W 1% SMD 0402		
286	R68	30k1 1/16W 1% SMD 0402		
287	R69	10k2 1/16W 1% SMD 0402		
288	R70	47k 1/16W 1% SMD 0402		
289	R71	49R9 1/16W 1% SMD 0402		
290	R72	10k 1/16W 1% SMD 0402		
291	R79	47k 1/16W 1% SMD 0402		
292	R80	10k 1/16W 1% SMD 0402		
293	R82	30k1 1/16W 1% SMD 0402		
294	R83	75k 1/16W 1% SMD 0402		
295	R84	24k 1/16W 1% SMD 0402		

[illegible]