



Bill of Material IP6 v3 PC Board

Items	Quantity	Schematic Reference	Description
1	2	C2,C1	Capacitor 10uF 10% 16v Tantale low ESR SMT 1210
2	4	C3,C12,C52,C96	Capacitor 4.7uF 6.3v 20% X5R SMT 0603
3	40	C4,C6,C10,C11,C14,C15, C16,C17,C18,C19,C22,C23, C24,C25,C26,C27,C28,C36, C37,C38,C39,C44,C46,C50, C51,C55,C56,C57,C58,C59, C76,C83,C85,C90,C91,C92, C93,C94,C95,C97	Capacitor 0.1uF 10v 10% X7R SMT 0603
4	4	C7,C8,C47,C48	Capacitor 18pF 25v 10% NPO SMT 0603
5	6	C9,C13,C21,C43,C49,C60	Capacitor 1.0uF 16v 10% X5R SMT 0603
6	7	C29,C30,C31,C32,C33,C34, C35	Capacitor 100uF 6.3v Low ESR 20% Aluminium Radial SMT 5x5,8
7	1	D1	Diode BAT54 SMT SOT-323
8	6	IPOD CONN1,IPOD CONN2, IPOD CONN3,IPOD CONN4, IPOD CONN5,IPOD CONN6	iPod Connector
9	1	JP1	Molex SDA-41792-0004
10	1	J0	USB Connector 5 pins Mini B Receptacle SMT
11	1	J1	USB Connector 4 pins A Receptacle
12	2	R1,R2	Resistor 330 ohms 5% 1/16W SMT 0603
13	14	R5,R30,R45,R46,R95,R100, R105,R106,R109,R131,R132, R133,R134,R135	Resistor 100K 5% 1/16W SMT 0603
14	3	R7,R47,R114	Resistor 1M 5% 1/16W SMT 0603
15	2	R8,R48	Resistor 12.0K 1% 1/16W SMT 0603
16	24	R9,R10,R11,R31,R49,R50, R51,R75,R76,R77,R78,R90, R91,R92,R93,R96,R101, R107,R108,R110,R115,R119, R123,R127	Resistor 10K 5% 1/16W SMT 0603
17	7	R98,R103,R112,R117,R121, R125,R129	Resistor 15.0K 1% 1/16W SMT 0603
18	7	R99,R104,R113,R118,R122, R126,R130	Resistor 8.2K 1% 1/16W SMT 0603
19	7	R136,R137,R138,R139,R140, R141,R142	Resistor 10K 5% 1/16W SMT 0603
20	7	T1,T2,T5,T8,T10,T12,T15	Transistor BC858 SMT SOT-363 or Equiv.
21	9	T3,T4,T6,T7,T9,T11,T13, T14,T16	Transistor DTC143EU SMT SOT-323 or Equiv.
22	1	U1	Voltage regulator 3.3v LT1086 SMT TO-263 or Equiv.
23	2	U3,U2	USB Hub Controler USB2514B SMT QFN36 6x6
24	7	U5,U6,U7,U8,U9,U10,U11	Power Switch MIC2505-1YM SMT SO8
25	2	U14,U13	Logic 74HC86 SMT US8
26	2	U15,U16	Logic 74HC14 SMT SOT-363
27	1	U17	NE555 SMT TSSOP8
28	2	Y1,Y2	Crystal 24.000MHz 50ppm 18pf HC-49US

