



Bill of Material IP6 PC Board

V2.0

26 janv. 2011

Item	Quantity	Schematic Reference	Description	Manufacturer	Manufacturer Part Number	Notes
1	2	C2,C1	Capacitor 10uF 10% 16v Tantale low ESR SMT 1210	Kemet	B45190E3106K209	or Equivalent
2	3	C3,C12,C52	Capacitor 4.7uF 6,3v 20% X5R SMT 0603			
3	35	C4,C6,C10,C11,C14,C15,				
		C16,C17,C18,C19,C22,	Capacitor 0.1uF 10v 10% X5R SMT 0603			
		C23,C24,C25,C26,C27,C28				
		C36,C37,C38,C39,C44,C46,				
		C50,C51,C55,C56,C57,C58				
		C59,C76,C83,C85,C90,C91				
4	7	C5,C9,C13,C21,C43,C49,C60	Capacitor 1.0uF 16v 10% X5R SMT 0603			
5	4	C7,C8,C47,C48	Capacitor 18pF 25v 10% NPO SMT 0603			
6	7	C29,C30,C31,C32,C33,C34,C35	Capacitor 100uF 6,3v Low ESR 20% Aluminium Radial SMT 5x5,8	United Chemi-Con	EMZA6R3ADA101ME61G	or Equivalent
7	6	IPOD CONN1,IPOD CONN2,IPOD CONN3,IPOD CONN4,IPOD CONN5,IPOD CONN6	i-Pod Connector			
8	1	JP1	SDA-41792-0004	Molex	26-60-5040	
9	1	J0	USB Connector Mini B Receptacle SMT	Tyco	108-57062	or Equivalent
10	1	J1	USB Connector A Receptacle	FCI	87520	or Equivalent
11	2	R1,R2	Resistor 330 ohms 5% 1/16W SMT 0603			
12	6	R3,R4,R5,R30,R45,R46	Resistor 100K 5% 1/16W SMT 0603			
13	15	R9,R10,R11,R49,R50,R51,R75,R76,R77,R78,R90,R91,R92,R93,R95	Resistor 10K 5% 1/16W SMT 0603			
14	2	R7,R47	Resistor 1Meg 5% 1/16W SMT 0603			
15	2	R8,R48	Resistor 12.0K 1% 1/16W SMT 0603			
16	2	U2,U3	USB Hub Controler USB2514B SMT QFN36 6x6	SMSC	USB2514B-AEZG	
17	1	U1	Voltage regulator 3,3v LT1086 SMT TO-263	Linear Technology	LT1086CM-3.3	
18	7	U5,U6,U7,U8,U9,U10,U11	Power Switch MIC2505-1 SMT SO8	Micrel	MIC2505-1YM	
19	2	U4,U12	EEPROM I2C 24C04			
20	2	Y1,Y2	Crystal 24.000MHz 50ppm 18pf HC-49US			