



Bill of Material 6 i-Pods PC Board

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	1	C3	Capacitor 4.7uF 6,3v 20% X5R SMT 0603			
3	22	C4,C6,C10,C11,C14,C15, C16,C17,C18,C19,C20,C22, C23,C24,C25,C26,C27,C28 C36,C37,C38,C39	Capacitor 0.1uF 10v 10% X5R SMT 0603			
4	5	C5,C9,C12,C13,C21	Capacitor 1.0uF 16v 10% X5R SMT 0603			
5	2	C7,C8	Capacitor 33pF 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	6 points Header	Molex	SDA-41792 6 points	
9	1	J0	USB Connector Micro B Receptacle SMT	FCI	10103594	
10	1	J1	USB Connector A Receptacle	FCI	87520	
11	2	R1,R2	Resistor 330 ohms 5% 1/16W SMT 0603			
12	3	R3,R4,R5	Resistor 100K 5% 1/16W SMT 0603			
13	6	R6,R9,R10,R11,R12,R13	Resistor 10K 5% 1/16W SMT 0603			
14	1	R7	Resistor 1Meg 5% 1/16W SMT 0603			
15	1	R8	Resistor 12.0K 1% 1/16W SMT 0603			
16	1	U3	USB Hub Controler USB2517 SMT QFN 64 9x9	SMSC	USB2517- JZX	
17	1	U4	Voltage regulator 3,3v LT1086 SMT TO-263	Linear Technology	LT1086CM-3.3	
18	4	U8,U9,U10,U11	Power Switch MIC2026 SMT SO8	Micrel	MIC2026-1BM	
19	1	Y1	Crystal 24.000MHz 50ppm 18pf HC-49 US			