



Bill of Material 18 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	59	C4,C6,C10,C11,C14,C15, C16,C17,C18,C19,C20,C22, C23,C24,C25,C31,C35,C37, C38,C40,C41,C42,C43,C44, C45,C47,C48,C49,C50,C51, C52,C53,C63,C67,C68,C71, C72,C73,C74,C75,C76,C77, C79,C80,C81,C82,C83,C84, C85,C92, C93,C94,C95,C96,C97, C98,C99,C100,C101	Capacitor 0.1uF 10v 10% X5R SMT 0603			
4	15	C5,C9,C12,C13,C21,C30, C34,C36,C39,C46,C62,C66, C69,C70,C78	Capacitor 1.0uF 16v 10% X5R SMT 0603			
5	6	C7,C8,C32,C33,C64,C65	Capacitor 33pF 25v 10% NPO SMT 0603			
6	18	C26,C27,C28,C29,C54,C55, C56,C57,C58,C59,C60,C61, C86,C87,C88,C89,C90,C91	Capacitor 100uF 6,3v Low ESR 20% Aluminium Radial SMT 5x5,8	United Chemi-Con	EMZA6R3ADA101ME61G	or Equivalent
7	18	IPOD CONN1,IPOD CONN2, IPOD CONN3,IPOD CONN4, IPOD CONN5,IPOD CONN6, IPOD CONN7,IPOD CONN8, IPOD CONN9,IPOD CONN10, IPOD CONN11,IPOD CONN12, IPOD CONN13,IPOD CONN14, IPOD CONN15,IPOD CONN16, IPOD CONN17,IPOD CONN18	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	J6	USB Connector A Receptacle	FCI	87520	
11	2	R1,R2	Resistor 330 ohms 5% 1/16W SMT 0603			
12	5	R3,R4,R12,R17,R26	Resistor 100K 5% 1/16W SMT 0603			
13	20	R5,R8,R9,R10,R11,R13,R14, R15,R16,R18,R21,R22,R23, R24,R25,R27,R29,R30,R31, R32	Resistor 10K 5% 1/16W SMT 0603			
14	3	R6,R19,R33	Resistor 1Meg 5% 1/16W SMT 0603			
15	3	R7,R20,R28	Resistor 12.0K 1% 1/16W SMT 0603			
16	1	U1	Voltage regulator 3,3v LT1086 SMT TO-263	Linear Technology	LT1086CM-3.3	
17	9	U2,U6,U7,U8,U9,U10,U11, U12,U13	Power Switch MIC2026 SMT SO8	Micrel	MIC2026-1BM	
18	3	U3,U4,U5	USB Hub Controler USB2517 SMT QFN 64 9x9	SMSC	USB2517- JZX	
19	3	Y1,Y2,Y3	Crystal 24.000MHz 50ppm 18pf HC-49 US			