



Bill of Material SAS6 v1.0 PC Board

Item	Quantity	Schematic Reference	Description	Source #1	Source #2	Source #3
1	8	C1,C2,C7,C14,C23,C38,C58,C60	Capacitor 10uF 10% 16v Tantale low ESR SMT 1210	AVX TAJB106K020RNJ	KEMET T491B106K016AT	or Equiv.
2	1	C3	Capacitor 4.7uF 6,3v 20% X5R SMT 0603	TDK C1608X5R0J475M	or Equiv.	
3	26	C4,C9,C10,C11,C16,C17,C18,C19,C25,C27,C29,C30,C32,C36,C37,C40,C41,C42,C43,C44,C45,C49,C51,C62,C63,C64	Capacitor 0.1uF 10v 10% X7R SMT 0603	AVX 0603YC104KAT2A	or Equiv.	
4	10	C5,C12,C20,C28,C31,C33,C35,C46,C50,C52	Capacitor 1.0uF 16v 10% X5R SMT 0603	MURATA GRM188R61C105KA93J	or Equiv.	
5	6	C6,C13,C21,C34,C54,C55	Capacitor 100uF 6,3v Low ESR 20% Aluminium Radial SMT 5x5,8	PANASONIC EEE-0JA101WR	NICHICON UCD0J101MCL6GS	or Equiv.
6	6	C8,C15,C24,C39,C59,C61	Capacitor 10nF 10v 10% X7R SMT 0603		or Equiv.	
7	2	C22,C26	Capacitor 33pF 10v 10% NPO SMT 0603	VISHAY VJ0603A330KXQCW1BC	or Equiv.	
8	1	JP1	Dip Switch 4 positions 2,54mm SMT	WURTH 418 121 270 804		
9	1	J1	Molex SDA-41792-0004	Molex SDA-41792-0004		
10	1	J2	Connector USB Mini B Receptacle Right angle Through Hole	WURTH 651 005 136 521		
11	1	J3	Connector 10 contacts 1,25mm	WURTH 653 110 124 022	ACCA CF06M-10PV1-1TR	
12	6	J4,J5,J6,J7,J8,J9	Connector USB Micro B Vertical Through Hole	HIROSE ZX80-B-5S		
13	1	J10	Connector USB A Receptacle Right Angle Through Hole	WURTH 614 004 160 21	FCI 87520-0010BLF	
15	2	R1,R19	Resistor 330 ohms 5% 1/16W SMT 0603			
17	5	R3,R4,R5,R6,R10	Resistor 1K 5% 1/16W SMT 0603			
18	7	R7,R18,R33,R38,R42,R43,R44	Resistor 0 ohm SMT 0603			
19	13	R8,R11,R12,R20,R22,R23,R25,R26,R27,R29,R32,R35,R37	Resistor 10K 5% 1/16W SMT 0603			
20	1	R24	Resistor 100K 5% 1/16W SMT 0603			
21	1	R28	Resistor 12.0K 1% 1/16W SMT 0603			
22	1	R30	Resistor 1M 5% 1/16W SMT 0603			
24	1	T1	Transistor NPN Polarized SMT SOT-323	NXP PDKT114EU	DIODES Inc DDTCT114EUA	
25	1	U1	Voltage regulator 3,3v 1086 Type SMT TO-263	ST LD1086D2M33TR	ON NCP1086D2T-33R4G	LINEAR TECH LT1086CM-3.3#PBF
26	6	U2,U5,U7,U10,U13,U14	USB Power Controller UCS1001 SMT QFN20	SMSC UCS1001-1	SMSC UCS1001-2	
27	6	U3,U6,U9,U11,U15,U16	Current Monitor SOT23	DIODES INC ZXCT1009		
28	1	U4	USB Hub Controller USB2517 SMT QFN64 9x9	SMSC USB2517-JZX		
30	1	Y1	Crystal 24.000MHz 50ppm 18pf HC-49US	TXC 9C-24.000MAAJ-T	ABRACON ABL-24.000MHZ-B2-T	
Total	116					