

Bill of Materials from SM1000-C.sch, 199 parts, grouped by values, as of 10/21/2014 3:10:31 PM

Part	Qty	DEFINITION	MANUFACTURER	MFG_NUMBER	DISTRIBUTOR	DIST_NUM	GENERIC	ROHS	COST100	EXT COST
C1, C34, C55, C56	4	CAP CER 1000PF 50V 10% X7R 0402	MURATA	GRM155R71H102KA01D	DIGIKEY	490-1303-1	Y	Y	0.006	0.024
C2, C3, C27	3	CAP CER 20PF 50V 5% NP0 0603	MURATA	GRM1885C1H200JA01D	DIGIKEY	490-1410-1	Y	Y	0.021	0.063
C4, C7, C11, C13, C16, C18, C20, C22, C33, C37, C41, C42, C49, C51, C52, C58, C61, C62, C66	19	CAP CER 0.1UF 16V 10% X5R 0603	YAIYO YUDEN	EMK107BJ104KAHT	DIGIKEY	587-3308-1	Y	Y	0.042	0.798
C5, C6, C10, C12, C24, C65	6	CAP CER 1UF 16V 10% X5R 0603	YAEGO	CC0603KRX5R7BB105	DIGIKEY	311-1444-1	Y	Y	0.033	0.198
C8, C17, C19, C21, C53	5	CAP CER 10000PF 16V 10% X7R 0402	MURATA	GRM155R71C103KA01D	DIGIKEY	490-1313-1	Y	Y	0.006	0.030
C9	1	CAP TANT 4.7UF 16V 10% 1206	AVX	TAJA475K016RNJ	DIGIKEY	478-3868-1	Y	Y	0.260	0.260
C14, C15, C35, C50	4	CAP CER 2.2UF 16V 10% X5R 0603	TDK	C1608X5R1C225K080AB	DIGIKEY	445-5157-1	Y	Y	0.064	0.257
C23, C26, C46	3	CAP CER 0.1UF 25V 10% X7R 0603	MURATA	GRM188R71E104KA01D	DIGIKEY	490-1524-1	Y	Y	0.008	0.024
C25, C29, C64, C70	4	CAP CER 22UF 25V 10% X5R 1210	MURATA	GRM32ER61E226KE15L	DIGIKEY	490-3889-1	N	Y	0.540	2.160
C30	1	CAP CER 10000PF 25V 10% X7R 0603	MURATA	GRM188R71E103KA01D	DIGIKEY	490-1520-1	Y	Y	0.011	0.011
C31	1	CAP CER 8200PF 50V 10% X7R 0603	SAMSUNG	CL10B822KB8NNNC	DIGIKEY	1276-2119-1	Y	Y	0.005	0.005
C32, C59	2	CAP ALUM 100UF 6.3V 20% SMD	NICHICON	UWX0J101MCL1GB	DIGIKEY	493-2088-1	Y	Y	0.114	0.228
C36, C38, C47	3	CAP CER 100UF 10V 20% X5R 1210	SAMSUNG	CL32A107MPVNNNE	DIGIKEY	1276-3364-1	Y	Y	0.735	2.205
C39, C60, C63	3	CAP ALUM 220UF 25V 20% SMD	UNITED CHEMI-CON	EMVY250ADA221MHA0G	DIGIKEY	565-2463-1	N	Y	0.412	1.236
C40	1	CAP CER 0.047UF 25V 10% X5R 0603	AVX	06033D473KAT2A	DIGIKEY	478-5051-1	Y	Y	0.124	0.124
C43, C44, C45	3	CAP CER 100PF 50V 10% NP0 0603	SAMSUNG	CL10C101KB8NNNC	DIGIKEY	1276-2167-1	Y	Y	0.012	0.036
C48	1	CAP CER 0.47UF 25V 10% X5R 0603	TDK	C1608X5R1E474K080AC	DIGIKEY	445-5144-1	Y	Y	0.047	0.047
C54	1	CAP CER 100PF 16V 10% X7R 0603	AVX	0603YC101KAT2A	DIGIKEY	478-6207-1	Y	Y	0.063	0.063
C57	1	CAP CER 3900PF 50V 10% X7R 0402	MURATA	GRM155R71H392KA01D	DIGIKEY	490-1307-1	Y	Y	0.011	0.011
CN1, CN11	2	CONN HEADER 3POS .100 VERT GOLD	MOLEX	22-10-2031	DIGIKEY	WM2723-1	N	Y	0.495	0.990
CN2	1	CONN RECEPT MINIUSB R/A 5POS SMD	MOLEX	675031020	DIGIKEY	WM5461C	N	Y	0.856	0.856
CN3	1	CONN JACK R/A .080 PIN SMD"	SWITCHCRAFT	RASM722PX	DIGIKEY	RASM722P	N	N	1.133	1.133
CN4	1	CONN MOD JACK R/A 8P8C	MOLEX	441440003	DIGIKEY	WM4595C	N	Y	1.387	1.387
CN5, CN6, CN7, CN8, CN9, CN10	6	3.5mm STEREO, SWITCHED SMT CONN.	JOSEN	ST-3509			N	Y	0.000	0.000
CN12	1	2MM V PCB RECEPTACLE 16P DR THRU-HOLE TIN	HIROSE	DF11-16DS-2DSA(05)	MOUSER	798-DF11-1	N	Y	0.924	0.924
D1	1	DIODE SCHOTTKY 30V 0.5A 2TUMD	ROHM SEMI	RSX051VA-30TR	DIGIKEY	RSX051VA	N	N	0.271	0.271
D2	1	DIODE SCHOTTKY 10V 3A SOD323	STM	BAT60JFILM	DIGIKEY	497-3707-1	Y	Y	0.240	0.240
FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8	8	FERRITE 500MA 600 OHM 0805 SMD	LAIRD	HZ0805E601R-10	DIGIKEY	240-2399-1	N	Y	0.038	0.305
J1, J3, J4	3	CONN HEADER 2POS .100 VERT GOLD	MOLEX	22-28-4023	DIGIKEY	WM6502-1	Y	Y	0.190	0.570
L1	1	INDUCTOR POWER 4.2UH 2.5A SMD	BOURNS	SRR5028-4R2Y	DIGIKEY	SRR5028-4	N	N	0.456	0.456
LD2	1	OPTOISOLATR 5KV TRANSISTOR 4-SMD	LITE-ON	LTV-817S-TA1	DIGIKEY	160-1893-1	N	Y	0.217	0.217
LED1, LED2	2	LED SUPR RED CLR RT ANG 0805	LITE-ON	LTST-S220KRKT	DIGIKEY	160-1469-1	Y	Y	0.115	0.230
LED3	1	LED GREEN CLEAR RT ANG 0805	LITE-ON	LTST-S220KGKT	DIGIKEY	160-1468-1	N	Y	0.135	0.135
LED4	1	LED YELLOW CLEAR RT ANG 0805	LITE-ON	LTST-S220KSKT	DIGIKEY	160-1470-1	N	Y	0.143	0.143
LED5	1	LED 660NM SUPER RED DIFF 0603SMD	LITE-ON	SML-LX0603SRW-TR	DIGIKEY	67-1551-1	Y	Y	0.169	0.169
LED8	1	LED SUPR RED CLR RT ANG 0805	LITE-ON	LTST-S220KRKT	DIGIKEY	160-1469-1	Y	Y	0.115	0.115
MIC1	1	MIC COND ANALOG OMNI -44DB	CUI	CMA-4544PF-W	DIGIKEY	102-1721-1	N	Y	0.569	0.569
P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20	20	TEST PAD, .050	NA	NA	NA	NA	NA	NA	0.000	0.000
PCB1	1	PCB - SM1000 REV. C	?	?			N	Y	5.750	5.750
R1, R7, R8, R25, R34, R37, R43, R44, R45, R48	10	RES 10.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060310K0FKEA	DIGIKEY	541-10.0K	F	Y	0.025	0.250
R2, R3, R4, R5	4	RES 4.70K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06034K70FKEA	DIGIKEY	541-4.70K	F	Y	0.025	0.100
R6, R17	2	RES 1.02K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06031K02FKEA	DIGIKEY	541-1.02K	F	Y	0.025	0.050
R9, R29	2	RES 1.50K OHM 1/10W 1% 0603 SMD	VISHAY DALE	CRCW06031K50FKEA	DIGIKEY	541-1.50K	F	Y	0.025	0.050
R10	1	RES 47.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347R0FKEA	DIGIKEY	541-47.0H	C	Y	0.025	0.025
R11, R32	2	RES 100 OHM 1/10W 1% 0603 SMD	VISHAY	CRCW0603100RFKEA	DIGIKEY	541-100H	C	Y	0.030	0.060
R12, R13, R15, R16	4	RES 680 OHM 1/10W 1% 0603 SMD	VISHAY	CRCW0603680RFKEA	DIGIKEY	541-680H	C	Y	0.025	0.100
R14	1	RES 220 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603220RFKEA	DIGIKEY	541-220H	C	Y	0.025	0.025
R18, R21, R26, R30, R31, R54, R55	7	RES 0.0 OHM 1/8W JUMP 0805 SMD	VISHAY-DALE	CRCW08050000Z0EA	DIGIKEY	541-0.0A	C	Y	0.024	0.168
R19, R20, R27, R28	4	RES 22.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322R0FKEA	DIGIKEY	541-22.0H	C	Y	0.025	0.100
R22, R36	2	RES 22.1K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322K1FKEA	DIGIKEY	541-22.1K	F	Y	0.025	0.050
R23, R24	2	RES 47.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347K0FKEA	DIGIKEY	541-47.0K	F	Y	0.025	0.050
R33, R38, R40, R41, R53, R56, R58	7	RES 2.20K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06032K20FKEA	DIGIKEY	541-2.20K	F	Y	0.025	0.175
R35	1	RES 124K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603124KFKEA	DIGIKEY	541-124K	H	Y	0.025	0.025
R39	1	RES 4.70 OHM .5W 1% 1206 SMD	VISHAY DALE	CRCW12064R70FKEAHP	DIGIKEY	541-4.70U	C	Y	0.225	0.225

