

Bill of Materials from SM1000-REV-B1.sch, 175 parts, grouped by values, as of 6/18/2014 10:20:28 AM

Part	Package	Qty	DEFINITION	MANUFACTURER	MFG_NUMBER	DISTRIBUTOR	DIST_NUMBER	GENERIC	ROHS	COST100	EXT COST
C1, C34	CAPC1608X92N	2	CAP CER 1000PF 25V 10% X7R 0603	MURATA	GRM188R71E102KA01D	DIGIKEY	490-8626-1-ND	Y	Y	0.013	0.026
C2, C3, C27	CAPC1608X92N	3	CAP CER 20PF 50V 5% NP0 0603	MURATA	GRM1885C1H200JA01D	DIGIKEY	490-1410-1-ND	Y	Y	0.021	0.063
C4, C7, C11, C13, C16, C18, C20, C22, C33, C37, C41, C42, C51, C52	CAPC1608X92N	14	CAP CER 0.1UF 16V 10% X5R 0603	YAIYO YUDEN	EMK107BJ104KAHT	DIGIKEY	587-3308-1-ND	Y	Y	0.042	0.588
C5, C6, C10, C12, C24	CAPC1608X92N	5	CAP CER 1UF 16V 10% X5R 0603	YAEGO	CC0603KRX5R7BB105	DIGIKEY	311-1444-1-ND	Y	Y	0.033	0.165
C8, C17, C19, C21, C53	CAPC1608X92N	5	CAP CER 10000PF 16V 10% X7R 0603	TDK	CGJ3E2X7R1C103K080AA	DIGIKEY	445-8130-1-ND	Y	Y	0.07	0.350
C9	C1206-TANT	1	CAP TANT 4.7UF 16V 10% 1206	AVX	TAJA475K016RNPJ	DIGIKEY	478-3868-1-ND	Y	Y	0.26	0.260
C14, C15, C32, C35, C50	CAPC1608X92N	5	CAP CER 2.2UF 16V 10% X5R 0603	TDK	C1608X5R1C225K080AB	DIGIKEY	445-5157-1-ND	Y	Y	0.0643	0.322
C23, C26, C40, C46	CAPC1608X92N	4	CAP CER 0.1UF 16V 10% X5R 0603	TAIYO YUDEN	EMK107BJ104KAHT	DIGIKEY	587-3308-1-ND	Y	Y	0.042	0.168
C25	CAPC3225X168N	1	CAP CER 22UF 25V 10% X5R 1210	SAMSUNG	CL32A226KAJNNNE	DIGIKEY	1276-1101-1-ND	Y	Y	0.39	0.390
C28, C29	CAPC3215X168N	2	CAP CER 10UF 25V 10% X5R 1206	SAMSUNG	CL31A106KAHNNNE	DIGIKEY	1276-1075-1-ND	Y	Y	0.0798	0.160
C30	CAPC1608X92N	1	CAP CER 10000PF 25V 10% X7R 0603	MURATA	GRM188R71E103KA01D	DIGIKEY	490-1520-1-ND	Y	Y	0.011	0.011
C31	CAPC1608X92N	1	CAP CER 8200PF 50V 10% X7R 0603	SAMSUNG	CL10B822KB8NNNC	DIGIKEY	1276-2119-1-ND	Y	Y	0.005	0.005
C36, C38, C47	C1210	3	CAP CER 100UF 10V 20% X5R 1210	SAMSUNG	CL32A107MPVNNNE	DIGIKEY	1276-3364-1-ND	Y	Y	0.735	2.205
C39	CAP-CHEMI-HA0	1	CAP ALUM 220UF 25V 20% SMD	UNITED CHEMI-CON	EMVY250ADA221MHA0G	DIGIKEY	565-2463-1-ND	N	Y	0.412	0.412
C43, C44, C45	CAPC1608X92N	3	CAP CER 100PF 50V 10% NP0 0603	SAMSUNG	CL10C101KB8NNNC	DIGIKEY	1276-2167-1-ND	Y	Y	0.012	0.036
C48	CAPC1608X92N	1	CAP CER 0.47UF 25V 10% X5R 0603	TDK	C1608X5R1E474K080AC	DIGIKEY	445-5144-1-ND	Y	Y	0.047	0.047
CN1, CN11	HDR100-3	2	CONN HEADER 3POS .100 VERT GOLD	MOLEX	22-10-2031	DIGIKEY	WM2723-ND	N	Y	0.495	0.990
CN2	MOLEX-MINI-B-SMT	1	CONN RECEPT MINIUSB R/A 5POS SMD	MOLEX	675031020	DIGIKEY	WM5461CT-ND	N	Y	0.856	0.856
CN3	RASM712PX	1	CONN JACK R/A .100 PIN SMD"	SWITCHCRAFT	RASM712PX	DIGIKEY	RASM712PX-ND	N	Y	1.082	1.082
CN4	CONN-RJ45-MOLEX-44144-003	1	CONN MOD JACK R/A 8P8C	MOLEX	441440003	DIGIKEY	WM4595CT-ND	N	Y	1.387	1.387
CN5, CN6, CN7, CN8, CN9, CN10	MJ-3523-SMT	6	CONN AUDIO JACK MONO 3.5MM SMD	CUI	MJ-3523-SMT-TR	DIGIKEY	CP-3523MJTR-ND	N	Y	0.796	4.776
CN12	HRS-DF11-16DS	1	2MM V PCB RECEPTACLE 16P DR THRU-HOLE TIN	HIROSE	DF11-16DS-2DSA(05)	MOUSER	798-DF11-16DS-2DSA05	N	Y	0.924	0.924
D2, D3	SOD323R_INFINEON	2	DIODE SCHOTTKY 10V 3A SOD323	STM	BAT60JFILM	DIGIKEY	497-3707-1-ND	Y	Y	0.24	0.480
FB1, FB2, FB3, FB4, FB6	FE0805	5	FERRITE 500MA 600 OHM 0805 SMD	IAIRD	HZ0805E601R-10	DIGIKEY	240-2399-1-ND	N	Y	0.0381	0.191
J1, J2, J3, J4, J5, J7	JMPR-2PIN	6	CONN HEADER 2POS .100 VERT GOLD	MOLEX	22-28-4023	DIIJKEY	WM6502-ND	Y	Y	0.19	1.140
L1	FCM1608	1	FERRITE CHIP 120 OHM 2000MA 0603	MURATA	BLM18PG121SN1D	DIGIKEY	490-1037-1-ND	N	Y	0.05	0.050
L2	SRN6045	1	INDUCTOR POWER SHIELD 4.7UH SMD	BOURNS	SRN6045-4R7Y	DIGIKEY	SRN6045-4R7YCT-ND	N	Y	0.27	0.270
LD2	SMD4	1	OPTOISOLATR 5KV TRANSISTOR 4-SMD	LITE-ON	LTV-8175-TA1	DIGIKEY	160-1893-1-ND	N	Y	0.217	0.217
LED1, LED2	LTST-S2200K	2	LED SUPR RED CLR RT ANG 0805	LITE-ON	LTST-S220KRKT	DIGIKEY	160-1469-1-ND	Y	Y	0.1151	0.230
LED3	LTST-S2200K	1	LED GREEN CLEAR RT ANG 0805	LITE-ON	LTST-S220KGKT	DIGIKEY	160-1468-1-ND	N	Y	0.135	0.135
LED4	LTST-S2200K	1	LED YELLOW CLEAR RT ANG 0805	LITE-ON	LTST-S220KSKT	DIGIKEY	160-1470-1-ND	N	Y	0.143	0.143
LED5	LED-LTST	1	LED 660NM SUPER RED DIFF 0603SMD	LITE-ON	SML-LX0603SRW-TR	DIGIKEY	67-1551-1-ND	Y	Y	0.169	0.169
LED8	LED-LTST	1	LED SUPR RED CLR RT ANG 0805	LITE-ON	LTST-S220KRKT	DIGIKEY	160-1469-1-ND	Y	Y	0.1151	0.115
MIC1	CMA-4544PF-W	1	MIC COND ANALOG OMNI -44DB	CUI	CMA-4544PF-W	DIGIKEY	102-1721-ND	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	TPAD50	20	TEST PAD, .050	NA	NA	NA	NA	NA	NA	0	0.000
PCB1	NOPACKAGE	1	PCB-SM1000, REV-B	?	?	PCB UNIVERSE	SM1000A	N	Y	5.29	5.290
R1, R7, R8, R25, R34, R43, R44, R45	RESC1608X55N	8	RES 10.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060310K0FKEA	DIGIKEY	541-10.0KHCT-ND	Y	Y	0.025	0.200
R2, R3, R4, R5, R48	RESC1608X55N	5	CRCW06031K02FKEA	VISHAY-DALE	CRCW06034K70FKEA	DIGIKEY	CRCW06031K02FKEA	Y	Y	0.025	0.125
R6, R17	RESC1608X55N	2	RES 1.02K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06031K02FKEA	DIGIKEY	541-1.02KHCT-ND	Y	Y	0.025	0.050
R9	RCL1218	1	RES 10 OHM 1W 5% 1218 WIDE	VISHAY	RCL121810R0JNEK	DIGIKEY	RCL10BCT-ND	N	Y	0.36	0.360
R10	RESC1608X55N	1	RES 47.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347R0FKEA	DIGIKEY	541-47.0HCT-ND	Y	Y	0.025	0.025
R11	RESC1608X55N	1	RES 100 OHM 1/10W 1% 0603 SMD	VISHAY	CRCW0603100RFKEA	DIGIKEY	541-100HCT-ND	Y	Y	0.03	0.030
R12, R13, R15, R16	RESC1608X55N	4	RES 680 OHM 1/10W 1% 0603 SMD	VISHAY	CRCW0603680RFKEA	DIGIKEY	541-680HCT-ND	Y	Y	0.025	0.100
R14	RESC1608X55N	1	RES 220 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603220RFKEA	DIGIKEY	541-220HCT-ND	Y	Y	0.025	0.025
R19, R20, R27, R28	RESC1608X55N	4	RES 22.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322R0FKEA	DIGIKEY	541-22.0HCT-ND	Y	Y	0.025	0.100
R24	RESC1608X55N	1	RES 47.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347K0FKEA	DIGIKEY	541-47.0KHCT-ND	Y	Y	0.025	0.025
R26, R30, R31	RESC1608X55N	3	RES 0.0 OHM 1/10W JUMP 0603 SMD	VISHAY-DALE	CRCW06030000Z0EA	DIGIKEY	541-0.0GCT-ND	Y	Y	0.025	0.075
R33, R37, R38, R40, R41, R53	RESC1608X55N	6	RES 2.20K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06032K20FKEA	DIGIKEY	541-2.20KHCT-ND	Y	Y	0.025	0.150
R35	RESC1608X55N	1	RES 124K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603124KFKEA	DIGIKEY	541-124KHCT-ND	Y	Y	0.025	0.025
R36, R39	RESC1608X55N	2	RES 22.1K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322K1FKEA	DIGIKEY	541-22.1KHCT-ND	Y	Y	0.025	0.050
R42	TRIMPOT91	1	Trimmer Resistors - Through Hole 3/8inch 500K LEADFRE Thumbwheel	TT ELECTRONICS	91AR500KLF	MOUSER	858-91AR500KLF	N	Y	1.06	1.060
R46	POT-3310C	1	Trimmer Resistors - Through Hole 3/8 thumbwheel 10K Lead Free"	TT ELECTRONICS	91AR10KLF	MOUSER	858-91AR10KLF	N	Y	1.06	1.060
R47	TRIMPOT91	1	Trimmer Resistors - Through Hole 3/8inch 500 LEADFREE Thumbwheel	TT ELECTRONICS	91AR500LF	MOUSER	858-91AR500LF	N	Y	1.06	1.060
R49	RESC1608X55N	1	RES 4.70 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347R0FKEA	DIGIKEY	541-4.70HHCT-ND	Y	Y	0.025	0.025
R50	RESC1608X55N	1	RES 10.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060310R0FKEA	DIGIKEY	541-10.0HCT-ND	Y	Y	0.025	0.025
R51	RESC1608X55N	1	RES 390 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603390RFKEA	DIGIKEY	541-390HCT-ND	Y	Y	0.025	0.025
R52	TRIMPOT91	1	RES 1.0K OHM 1/8W 5% 0805 SMD	VISHAY/DALE	CRCW08051K00JNEA	DIGIKEY	541-1.0KACT-ND	Y	Y	0.033	0.033
SH1, SH2, SH3, SH6	NOPACKAGE	4	SHUNT LP 2 POS SN	TYCO AMP	1-382811-6	DIGIKEY	A26231-ND	Y	Y	0.21	0.840
SW1, SW2, SW4	SW-BOURNS-7914S	3	SWITCH TACTILE SPST-NO 0.1A 24V	BOURNS	7914S-1-000E	DIGIKEY	7914S-1-000ECT-ND	N	Y	0.77	2.310
SW3	SW-PWR	1	SWITCH PUSH DPDT 0.1A 30V	E-SWITCH	PBH2UEENAGX	DIGIKEY	EG2655-ND	N	Y	1.332	1.332
T1, T2	SM-LP-5001	2	TRANSF LINE MATCHING SMD	BOURNS	SM-LP-5001E	DIGIKEY	SM-LP-5001ECT-ND	N	Y	1.506	3.012
U1	LQFP100-14	1	IC MCU 32BIT 1MB FLASH 100LQFP	STM	STM32F405VGT6	DIGIKEY	497-11910-ND	N	Y	9.364	9.364
U2	SOT23-5L	1	IC REG LDO 3.3V 0.15A SOT23-5	STM	LD3985M33R	DIGIKEY	497-3504-1-ND	N	Y	0.466	0.466
U3	SOT23-5L	1	IC PWR SWITCH 1CH 500MA SOT23-5	STM	STMP52141STR	DIGIKEY	497-6933-1-ND	N	Y	0.48	0.480
U4	ECOPACK-11	1	I C EMI FILTR/ESD PROT 11FLIPCHIP	STM	EMIF02-USB03F2	DIGIKEY	497-13521-1-ND	N	Y	0.525	0.525
U5	PSO-DDA	1	IC REG BUCK SYNC ADJ 3A 8SOPWR	TI	TPS54329EDDAR	DIGIKEY	296-29856-1-ND	N	Y	1.65	1.650
U6, U7, U9	SOT23-6	3	IC OPAMP GP 1MHZ RRO SOT23-	TI	LMV341IDBVR	DIGIKEY	296-17843-1-ND	N	Y	0.556	1.668

