

Bill of Materials from SM1000-REV-B.sch, 153 parts, grouped by values, as of 6/13/2014 11:53:09 AM

Part	Package	Qty	REV	DEFINITION	MANUFACTURER	MFG_NUMBER	DISTRIBUTOR	DIST_NUMBER	GENERIC	ROHS	COST100	EXT COST
C2, C3, C4, C7, C8, C11, C13, C16, C18, C20, C22, C33, C37, C40, C41, C42, C51, C52	CAPC1608X92N	18	A	CAP CER 0.1UF 16V 10% X5R 0603	YAIYO YUDEN	EMK107BJ104KAHT	DIGIKEY	587-3308-1-ND	Y	Y	0.042	0.756
C5, C6, C24	CAPC1608X92N	3	A	CAP CER 1UF 16V 10% X5R 0603	YAEGO	CC0603KRX5R7BB105	DIGIKEY	311-1444-1-ND	Y	Y	0.033	0.099
C9	C1206-TANT	1	A	CAP TANT 4.7UF 16V 10% 1206	AVX	TAJA475K016RNJ	DIGIKEY	478-3868-1-ND	Y	Y	0.260	0.26
C10, C12	C1206-TANT	2	A	CAP TANT 1UF 16V 20% 1206	NICHICON	F931C105MAA	DIGIKEY	493-2364-1-ND	Y	Y	0.152	0.304
C14, C15, C32, C35, C50	CAPC1608X92N	5	A	CAP CER 2.2UF 16V 10% X5R 0603	TDK	C1608X5R1C225K080AB	DIGIKEY	445-5157-1-ND	Y	Y	0.064	0.3215
C17, C19, C21, C53	CAPC1608X92N	4	A	CAP CER 10000PF 16V 10% X7R 0603	TDK	CGJ3E2X7R1C103K080AA	DIGIKEY	445-8130-1-ND	Y	Y	0.070	0.28
C23, C26, C46	CAPC1608X92N	3	A	CAP CER 0.1UF 16V 10% X5R 0603	TAIYO YUDEN	EMK107BJ104KAHT	DIGIKEY	587-3308-1-ND	Y	Y	0.042	0.126
C25	CAPC3225X168N	1	A	CAP CER 22UF 25V 10% X5R 1210	SAMSUNG	CL32A226KAJNNNE	DIGIKEY	1276-1101-1-ND	Y	Y	0.390	0.39
C27	CAPC1608X92N	1	A	CAP CER 7PF 50V NPO 0603	YAEGO	CC0603DRNPO9BN7R0	DIGIKEY	311-1056-1-ND	Y	Y	0.023	0.023
C28, C29	CAPC3215X168N	2	A	CAP CER 10UF 25V 10% X5R 1206	SAMSUNG	CL31A106KAHNNNE	DIGIKEY	1276-1075-1-ND	Y	Y	0.080	0.1596
C31	CAPC1608X92N	1	A	CAP CER 8200PF 50V 10% X7R 0603	SAMSUNG	CL10B822KB8NNNC	DIGIKEY	1276-2119-1-ND	Y	Y	0.005	0.005
C34, C43, C44, C45	CAPC1608X92N	4	A	CAP CER 100PF 50V 10% NPO 0603	SAMSUNG	CL10C101KB8NNNC	DIGIKEY	1276-2167-1-ND	Y	Y	0.012	0.048
C36, C38, C47	C1210	3	A	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	A	CAP ALUM 470UF 16V 20% SMD	UNITED CHEMI-CON	EMVE160ADA471MHA0G	DIGIKEY	565-2208-1-ND	Y	Y	0.456	0.456
C48	CAPC1608X92N	1	A	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	A	CONN HEADER 3POS .100 VERT GOLD	MOLEX	22-10-2031	DIGIKEY	WM2723-ND	N	Y	0.495	0.99
CN2	MOLEX-MINI-B-SMT	1	A	CONN RECEPT MINIUSB R/A 5POS SMD	MOLEX	675031020	DIGIKEY	WM5461CT-ND	N	Y	0.856	0.856
CN3	RASM712PX	1	A	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	A	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	A	CONN AUDIO JACK MONO 3.5MM SMD	CUI	MJ-3523-SMT-TR	DIGIKEY	CP-3523MJTR-ND	N	Y	0.796	4.776
D2, D3	SOD323R_INFINEON	2	A	DIODE SCHOTTKY 10V 3A SOD323	STM	BAT60JFILM	DIGIKEY	497-3707-1-ND	Y	Y	0.240	0.48
FB1, FB2, FB3, FB4, FB6	FED0805	5	A	FERRITE 500MA 600 OHM 0805 SMD	LAIRD	HZ0805E601R-10	DIGIKEY	240-2399-1-ND	N	Y	0.038	0.1905
FB5	FE1210	1	A	FERRITE 1.5A 60 OHM 1210 SMD	LAIRD	MI1210K600R-10	DIGIKEY	240-2416-1-ND	N	Y	0.100	0.1
IC1	HRS-DF11-16DS	1	A	CONN RECEPT 16POS 2MM PCB TIN	HIROSE	DF11-16DS-2DSA(05)	DIGIKEY	H10174-ND	N	Y	0.920	0.92
J1, J2, J3, J4, J5, J7	JMPR-2PIN	6	A	CONN HEADER 2POS .100 VERT GOLD	MOLEX	22-28-4023	DIIKEY	WM6502-ND	Y	Y	0.190	1.14
L1	FCM1608	1	A	FERRITE CHIP 120 OHM 2000MA 0603	MURATA	BLM18PG1215N1D	DIGIKEY	490-1037-1-ND	N	Y	0.050	0.05
L2	SRN6045	1	A	INDUCTOR POWER SHIELD 4.7UH SMD	BOURNS	SRN6045-4R7Y	DIGIKEY	SRN6045-4R7YCT-ND	N	Y	0.270	0.27
LD2	SMD4	1	A	OPTOISOLATR 5KV TRANSISTOR 4-SMD	LITE-ON	LTV-817S-TA1	DIGIKEY	160-1893-1-ND	N	Y	0.217	0.217
LED1, LED2	LTST-S2200K	2	A	LED SUPR RED CLR RT ANG 0805	LITE-ON	LTST-S220KRKT	DIGIKEY	160-1469-1-ND	Y	Y	0.115	0.2302
LED3	LTST-S2200K	1	A	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	A	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	A	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	A	LED SUPR RED CLR RT ANG 0805	LITE-ON	LTST-S220KRKT	DIGIKEY	160-1469-1-ND	Y	Y	0.115	0.1151
MIC1	CMA-4544PF-W	1	A	MIC COND ANALOG OMNI -44DB	CUI	CMA-4544PF-W	DIGIKEY	102-1721-ND	N	Y	0.569	0.569
PCB1	NOPACKAGE	1	B	PCB-SM1000, REV-B	?	?	PCB UNIVERSE	SM1000B	N	Y	5.290	5.29
R1, R6, R7, R8, R17, R54	RESC1608X55N	6	A	RES 1.02K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06031K02FKEA	DIGIKEY	541-1.02KHCT-ND	Y	Y	0.025	0.15
R2, R3, R4, R5, R48	RESC1608X55N	5	A	CRCW06031K02FKEA	VISHAY-DALE	CRCW06034K70FKEA	DIGIKEY	CRCW06031K02FKEA	Y	Y	0.025	0.125
R10	RESC1608X55N	1	A	RES 47.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347R0FKEA	DIGIKEY	541-47.0HCT-ND	Y	Y	0.025	0.025
R12, R13, R15, R16, R19, R20, R27, R28	RESC1608X55N	8	A	RES 22.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322R0FKEA	DIGIKEY	541-22.0HCT-ND	Y	Y	0.025	0.2
R14	RESC1608X55N	1	A	RES 220 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603220RFKEA	DIGIKEY	541-220HCT-ND	Y	Y	0.025	0.025
R24	RESC1608X55N	1	A	RES 47.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347K0FKEA	DIGIKEY	541-47.0KHCT-ND	Y	Y	0.025	0.025
R25, R34, R43, R44, R45	RESC1608X55N	5	A	RES 10.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060310K0FKEA	DIGIKEY	541-10.0KHCT-ND	Y	Y	0.025	0.125
R26, R30, R31	RESC1608X55N	3	A	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	A	RES 2.20K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06032K20FKEA	DIGIKEY	541-2.20KHCT-ND	Y	Y	0.025	0.15
R35	RESC1608X55N	1	A	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	A	RES 22.1K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322K1FKEA	DIGIKEY	541-22.1KHCT-ND	Y	Y	0.025	0.05
R42	TRIMPOT91	1	A	Trimmer Resistors - Through Hole 3/8inch 500K LEADFRE Thumbwheel	TT ELECTRONICS	91AR500KLF	MOUSER	858-91AR500KLF	N	Y	1.060	1.06
R46	POT-3310C	1	A	Trimmer Resistors - Through Hole 3/8 thumbwheel 10K Lead Free"	TT ELECTRONICS	91AR10KLF	MOUSER	858-91AR10KLF	N	Y	1.060	1.06
R47	TRIMPOT91	1	A	Trimmer Resistors - Through Hole 3/8inch 500 LEADFREE Thumbwheel	TT ELECTRONICS	91AR500LF	MOUSER	858-91AR500LF	N	Y	1.060	1.06
R49	RESC1608X55N	1	A	RES 4.70 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06034R70FKEA	DIGIKEY	541-4.70HHCT-ND	Y	Y	0.025	0.025
R50	RESC1608X55N	1	A	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	A	RES 390 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603390RFKEA	DIGIKEY	541-390HCT-ND	Y	Y	0.025	0.025
R52	TRIMPOT91	1	A	Trimmer Resistors - Through Hole 3/8 thumbwheel 10K Lead Free"	TT ELECTRONICS	91AR10KLF	MOUSER	858-91AR10KLF	N	Y	1.060	1.06
SH1, SH2, SH3, SH6	NOPACKAGE	4	A	SHUNT LP 2 POS SN	TYCO AMP	1-382811-6	DIGIKEY	A26231-ND	Y	Y	0.210	0.84
SW1, SW2, SW4	SW-BOURNS-7914S	3	A	SWITCH TACTILE SPST-NO 0.1A 24V	BOURNS	7914S-1-000E	DIGIKEY	7914S-1-000ECT-ND	N	Y	0.770	2.31
SW3	SW-PWR	1	A	SWITCH PUSH DPDT 0.1A 30V	E-SWITCH	PBH2UEENAGX	DIGIKEY	EG2655-ND	N	Y	1.332	1.332
T1, T2	SM-LP-5001	2	A	TRANSF LINE MATCHING SMD	BOURNS	SM-LP-5001E	DIGIKEY	SM-LP-5001ECT-ND	N	Y	1.506	3.012
U1	LQFP100-14	1	A	IC MCU 32BIT 1MB FLASH 100LQFP	STM	STM32F405VGT6	DIGIKEY	497-11910-ND	N	Y	9.364	9.364
U2	SOT23-5L	1	A	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	A	IC PWR SWITCH 1CH 500MA SOT23-5	STM	STMP52141STR	DIGIKEY	497-6933-1-ND	N	Y	0.480	0.48
U4	ECOPACK-11	1	A	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	A	IC REG BUCK SYNC ADJ 3A 8SOPWR	TI	TPS54329EDDAR	DIGIKEY	296-29856-1-ND	N	Y	1.650	1.65
U6, U7, U9	SOT23-6	3	A	IC OPAMP GP 1MHZ RRO SOT23-	TI	LMV341IDBVR	DIGIKEY	296-17843-1-ND	N	Y	0.556	1.668
U8	SO08	1	A	IC AMP AUDIO PWR .325W AB 8SOIC	TI	LM386MX-1/NOPB	DIGIKEY	LM386MX-1/NOPBCT-ND	N	Y	0.687	0.687
XTAL1	XTAL-FY0800035	1										