

SB320 Logic

PART TYPE	DESCRIPTION	VENDOR	VENDOR PN	TOL	REF-DES	QTY
AD8402	2CHANNEL DIGITAL POT	ANALOG DEVICES	AD8402AR10		U22	1
AM29F800BB	SM CMOS FLASH 8-MB MEMORY 512K x 16BIT	AMD	AM29F800BB-90EC		U6	1
AQV210S	PHOTOMOS RELAY	AROMAT	AQV210S		U12	1
AT24C08	EEPROM 8K 1024X8BIT SERIAL CMOS SM	ATMEL	AT24C08N-10SI		U16	1
BAV99	DUAL DIODE SOT-23 PKG	PHILIPS	BAV99		D1-2	2
C2061060Z	10uF/10V 1206 SM CERAMIC CAPACITOR	TAIYO YUDEN	LMK316F106ZL	80/-20%	C28 C81	2
C2064750Z	4.7uF/10V 1206 SM CERAMIC CAPACITOR	TAIYO YUDEN	LMK316F475ZL	80/-20%	C13 C42 C82	3
C40210220-A	1nF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105B102M		20% C21 C24-25 C48 C59	5
C40210320-A	0.01uF/16V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	EMK105B103M		20% C63-68 C70-73 C75-78 C87-88 C91	38
C40215105-A	150pF/25V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	TMK105SL151JWF		5% C12	1
C40218005-A	18pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH180J		5% C1-2 C17-18	4
C40247120-A	470pF/50V X7R 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105B471M		20% C11 C61-62 C90	4
C60310402-B	0.1uF/25V 0603 SM CERAMIC CAPACITOR	TAIYO YUDEN	TMK107F104Z	80/-20%	C14 C56 C58	3
C60310502-B	1uF/6.3V 0603 SM CERAMIC CAPACITOR	TAIYO YUDEN	TMK107F105Z	80/-20%	C19-20 C22-23 C26-27 C57 C60 C74 C93	10
C60333405-A	0.33uF/10V 0603 SM CERAMIC CAPACITOR	TAIYO YUDEN	LMK107BJ334K	+/-10%	C3-9 C53	8
C81247420-A	1812 CERAMIC RING DETECT CHIP CAPACITOR	NOVACAP	1812Z47M251NT	+/-20%	C16	1
CA1010620	10uF TANT A-CASE 10V CAPACITOR	MATSUO	267E1002106KR	+/-10%	C15 C55 C80	3
CA0615620-C	15uF TANT A-CASE 6.3V CAPACITOR	MATSUO	267E6301156KR	+/-10%	C39	1
CA1047520-B	4.7uF TANT A-CASE 10V CAPACITOR	MATSUO	267E1002475KR	+/-10%	C36 C46	2
CA301H-9.6MHZ	9.6MHZ SM CRYSTAL	EPSON	CA-301-9.6MHz		X2	1
CONS-50	5-PIN RECEPTACLE 50 MIL SPACING - 180 MIL HIGH	SAMTEC	SLM-1-05-01-G-S		JR2-3	2
CONF-50	7-PIN RECEPTACLE 50 MIL SPACING - 180 MIL HIGH	SAMTEC	SLM-1-07-01-G-S		JR4-5	2
DSP1634F	DSP	LUCENT	16345-148-AE23-DB		U8	1
FH12-30S	30-PIN SM ZIF CONNECTOR	HIROSE	FH12-30S-0.5SH		J1	1
FUSE_R271.125	125mA FAST BLOW FUSE	LITTLEFUSE	R271.125		F1	1
HSMS-C660	HIGH-EFFICIENCY RED SMT LED RIGHT ANGLED	HEWLETT PACKARD	HSMS-C660		D7	1
ITT13HDR	13 PIN I/O CONNECTOR	ITT CANNON	CA112112-1		J2	1
L1206800	SM 1206 FERRITE BEAD	TAIYO YUDEN	FBMJ3216HS800-T		L28-29	2
L402121-A	SM 0402 FERRITE BEAD	TAIYO YUDEN	BK100SHS121-T		L1-27	27
LMC7101AIM5	SINGLE OP AMP	NATIONAL	LMC7101AIM5X		U13	1
MC14052B	Analog Multiplexer	MOTOROLA	MC14052BD		U20	1
MC68PM302PV	SM CMOS MULTIPROTOCOL PROCESSOR	MOTOROLA	MC68PM302PV25B		U1	1
MMBD914	Diode - Rectifier	Motorola	MMBD914LT1		D3	1
MMBT3904LT1-A	NPN TRANSISTOR	MOTOROLA	MMBT3904LT1		Q1-2	2
MMBT3906LT1-A	PNP TRANSISTOR	MOTOROLA	MMBT3906LT1		Q4 Q6	2
MMBT1414	Transistor - NPN Darlington	MOTOROLA	MMBT1414T1		Q3	1
MMSZ5250B	19V SM ZENER DIODE SOD-123 PKG	MOTOROLA	MMSZ5250BT1		D4	1
MMSZ5252B	24V SM ZENER DIODE SOD-123 PKG	MOTOROLA	MMSZ5252BT1		D5-6	2
NC38-32KHZ	32.768KHZ SM CRYSTAL	ABRACON	AB39T-32.768KHZ-11	20PPM	X4	1
NJM2103	SYSTEM RESET IC	NJR	NJM2103M		U9	1
NODE	ELECTRICAL NODE 60 PAD 0 DRILL	N/A	N/A		M1-5	5
OPA2340EA	SM MSOP-8 DUAL RAIL-TO-RAIL OP-AMP	BURR-BROWN	OPA2340EA-250		U2 U15 U23	3
OSC_44MHZ	OSCILLATOR 44.2368MHZ +/- 50 PPM	RALTRON	C04805-44.2368MHZ	+/-50PPM	U10	1
P3100SB	SIDACTOR 275-350V Over Voltage Protector	TECCOR	P3100SB		Z1	1
PIC16C64A	MICROCONTROLLER 8BIT	MICROCHIP	PIC16C64A-20PT		U5	1
PS2705	NPN AC OPTOCOUPLER	NEC	PS2705-1-E4		U11	1
R40210505	1M OHM 0402 SM RESISTOR	ROHM	MCR03FZHJ105		5% R48	1
R40227405	270K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 274		5% R65	1
R60310605	10M OHM 0603 SM RESISTOR	ROHM	MCR03FZHJ106		2% R3-4	2
R20122005-A	22 OHM 2010 SM RESISTOR 1/4W	ROHM	MCR25JZHJ20E		5% R35	1
R20175205-A	7K5 OHM SM 2010 RESISTOR CHIP	ROHM	MCR50JZHJ752E		5% R49	1
R40200000-A	0R0 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 0R0		R8 R90 R102 R130	4
R40210005-A	10 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 10R		5% R61 R123	2
R40210205-A	1K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 102		5% R42 R52 R55 R59-60 R101 R106	7
R40210305-A	10K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 103		5% R16 R39-40 R43 R45 R66 R83 R88 R95 R98 R105	11
R40210405-A	100K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 104		5% R10	1
R402130201-A	13K0 OHM 0402 SM RESISTOR	ROHM	MCR01MZSF1302		1% R107-108	2
R40215205-A	1K5 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 152		5% R36	1
R402174001-A	174R OHM 1% 0402 SM RESISTOR	ROHM	MCR01MZSF1740		1% R103-104	2
R40220205-A	2K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 202		5% R28 R34	2
R40220305-A	20K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 203		5% R124-129	65
R40222305-A	22K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ223		5% R80	1
R40222A05-A	2.2R OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ2R2		5% R89	1
R40230105-A	300 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 301		5% R18-19	2
R40233205-A	3K3 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 332		5% R97	1
R40233405-A	330K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 334		5% R5	1
R402402201-A	40K2 OHM 0402 SM RESISTOR	ROHM	MCR01MZSF4022		1% R14 R51 R81 R111-112	5
R40247005-A	47 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 470		5% R23-27 R41	6
R40247205-A	47K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 472		5% R32 R71-72 R74 R99 R138-141	9
R40247305-A	47K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 473		5% R6 R46-47	3
R40266305-A	68K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 683		5% R53 R79	2
T7525-SEC	PCM Codec with Filters SSOP-28 PKG	LUCENT	T7525-SEC		U14	1
TC551001-TSOP	SRAM - MEMORY - 128K x 8 BIT	TOSHIBA	TC551001CFT-70		U4 U21	2
TEST	TEST POST	N/A	N/A		TP1-9	9
TK11245BMCL	4.5V VOLT REGULATOR IC	TOKO	TK11245BMCL		U3	1
TTC103-DUAL	SM OFFSET TELECOMMUNICATION TRANSFORMER - DUAL PACKAGE	TAMURA	TTC-103SL		T1	1
UMA1002H-A	DATA PROCESSOR FOR CELLULAR RADIO	PHILIPS	UMA1002H		U25	1
VALV34F	V.34 INTERFACE ASIC - AE	LUCENT	VALV34E-T-DB		U7	1

## SB320 Radio

PART TYPE	DESCRIPTION	VENDOR	VENDOR PN	TOL	REF-DES	QTY
2N7002	N-CHANNEL T-MOS FET	MOTOROLA	2N7002LT1	Q3-4		2
85MMCX-50-0-1	MMCX RIGHT ANGLE PCB JACK	HUBER&SUHNER	85 MMCX-50-0-1	J1		1
ADS7841	12-BIT 4 CHANNEL SERIAL ADC	BURR-BROWN	ADS7841E	U17		1
BAV99	DUAL DIODE SOT-23 PKG	PHILIPS	BAV99	D3		1
C40215005	15pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH150J	5% C11		1
C40233005	33pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH330J	5% C94-95		2
C40243005	43pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH430J	5% C83		1
C60310210	1nF/50V 0603 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK107CH102KZ	10% C3		1
C2061060Z	10uF/10V 1206 SM CERAMIC CAPACITOR	TAIYO YUDEN	LMK316F106ZL	80/-20% C87-88		2
C2062260Z	22uF/10V 1206 SM CERAMIC CAPACITOR	TAIYO YUDEN	LMK316F226ZL	80/-20% C26 C45		2
C40210105-A	100pF/25V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH101J	5% C24 C35 C41 C43 C46 C96-97		7
C40210220-A	1nF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105B102M	20% C72-74 C79	C15-16 C20 C25 C27 C33-34 C44 C48 C54	18
C40210320-A	0.01uF/16V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	EMK105B103M	20% C67 C70-71 C78 C80-82		17
C40212005-A	12pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH120J	5% C86		1
C40215A0C	1.5pF/50V 0805 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CK1R5CWX	0.25pF C6 C62		2
C40216105-A	160pF/25V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	TMK105SL161J	5% C55		1
C40218005-A	18pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH180J	5% C19		1
C40220A0C-A	2pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CK020C	0.25pF C2		1
C40222110-A	220pF/25V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	TMK105CH221K	10% C22 C56		2
C40227005-A	27pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH270J	5% C17 C98-100		4
C4023330Z-A	33nF/16V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	EMK105F333Z	80/-20% C69		1
C40240A0C-A	4pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH040C	0.25pF C52-53 C102		3
C40262005-A	62pF/50V 0402 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK105CH620J	5% C49-51	C10 C13 C18 C21 C28-31 C47 C57 C66 C76	3
C6031040Z-B	0.1uF/25V 0603 SM CERAMIC CAPACITOR	TAIYO YUDEN	TMK107F104Z	80/-20% C89		13
C6031050Z-B	1uF/6.3V 0603 SM CERAMIC CAPACITOR	TAIYO YUDEN	JMK107F105Z	80/-20% C36 C75 C84 C92-93		5
C60327105-B	270pF/50V 0603 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK107CH271J	5% C12		1
C60360A0D-B	6pF/50V 0603 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK107CH060D	0.5pF C32		1
C80522310-B	22nF/50V 0805 SM CERAMIC CAPACITOR	TAIYO YUDEN	UMK212BJ223K	10% C40		1
CA3510410-A	0.1uF/35V TANT-A-CASE CAPACITOR	AVX	TAJA104K035R	10% C39		1
CB1010620	10uF/10V TANT-B SM CAPACITOR	NEMCO	PCT10/10BM	20% C64-65 C77 C85 C90-91		6
CC1033620-A	33uF/10V TANT C-CASE CAPACITOR	AVX	TAJC336M010R	20% C37		1
CFU7BA08360881	CERAMIC SM DUPLEX FILTER	TAIYO YUDEN	CFU7BA08360881CJA	FL6		1
FBM3216HS800-T	80 OHM 1206 SM FERRITE	TAIYO YUDEN	FBMJ3216HS800-T	+/-25% L11 L13 L19		3
FMMT717-A	PNP POWER SWITCHING TRANSISTOR	ZETEX	FMMT717	Q6 Q8		2
HDWM-05	5 PIN .05" HEADER	SAMTEC	HDWM-05-01-T-S-235	J2-3		2
HDWM-07	7 PIN .05" HEADER	SAMTEC	HDWM-07-01-T-S-235	J4-5		2
HK21252N7S	2.7 nH SM MULTILAYER CHIP INDUCTOR	TAIYO YUDEN	HK21252N7S-T	0.3 nH L9		1
ITT333106BD	1.2 WATT RF POWER AMPLIFIER IC	ITT GTC	ITT333106BD	U2		1
KFN6121AA-B	2-POLE 45 MHz FILTER	MOTOROLA CMPTS	KFN6121AA	FL1		1
KXN1398A	APEX-4 DCTCXO	MOTOROLA CMPTS	KXN1398A	U13		1
L60310005	10nH 0603 SM MULTILAYER INDUCTOR	TAIYO YUDEN	HK160810NJ	5% L12		1
L60312005	12nH 0603 SM MULTILAYER INDUCTOR	TAIYO YUDEN	HK160812NJ	5% L17-18 L20		3
L60315005	15nH 0603 SM MULTILAYER INDUCTOR	TAIYO YUDEN	HK160815NJ	5% L3		1
L60333005	33nH 0603 SM MULTILAYER INDUCTOR	TAIYO YUDEN	HK160833NJ	5% L2		1
L80539005	39nH 0805 SM MULTILAYER INDUCTOR	TAIYO YUDEN	HK212539NJ	5% L10		1
L80547005	47nH 0805 SM MULTILAYER INDUCTOR	TAIYO YUDEN	HK212547NJ	5% L7 L14-16		4
L60382A05	8.2nH 0603 SM MULTILAYER INDUCTOR	TAIYO YUDEN	HK160882NJ	5% L1		1
L7B06L15620	15uH SM WIREWOUND INDUCTOR	SAGAMI	7B06L-150M	20% L22		1
L80527110-B	270nH 0805 SM WIREWOUND INDUCTOR	COILCRAFT	0805CS-271XKBC	10% L4		1
L80547110-B	470nH 0805 SM WIREWOUND INDUCTOR	COILCRAFT	0805CS-471XKBC	10% L5		1
L80568110-B	680nH 0805 SM WIREWOUND INDUCTOR	COILCRAFT	0805CS-681XKBC	10% L6		1
LMX1511A	1.1 GHz PLL SYNTHESIZER CMOS IC	NATIONAL	LMX1511	U8		1
LQH356105-A	560uH WIREWOUND CHIP INDUCTOR	MURATA	LQH3N561J04M00	5% L8		1
ML2330-S08	DUAL 3V 8-BIT SERIAL DAC	MICRO LINEAR	ML2330IS-2	U7		1
MMBT3904LT1-A	NPN TRANSISTOR	MOTOROLA	MMBT3904LT1	Q5 Q7		2
MMBT3906LT1	PNP TRANSISTOR	MOTOROLA	MMBT3906LT1	Q9		1
NE85630	NPN 7 GHz WIDEBAND TRANSISTOR	NEC	NE85630	Q1-2		2
NJM2904M	DUAL LOW POWER OP AMP	NJRC	NJM2904M	U12		1
NJU7660M	CMOS SM VOLTAGE CONVERTER IC	NJRC	NJU7660M	U11		1
R20633105	330R OHM 1206 SM RESISTOR	ROHM	MCR18EZHUJX331	5% R64-65		2
R40215205	1K5 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 152	5% R7		1
R40230305	30K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 303	5% R46		1
R40275205	7K5 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 752	5% R26		1
R40291205	9K1 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 912	5% R27		1
R60300005	0 OHM 0603 SM RESISTOR			2% R70		1
R20620B05-B	0.2 OHM 1206 SM RESISTOR	KOA	SR73K2BTR2000J	5% R18		1
R21018105-A	180 OHM 1210 SM RESISTOR	ROHM	MCR25MZSJ 181	5% R60		1
R40200000-A	0R0 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 0R0	R53		1
R40210005-A	10 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 10R	5% R1-3 R21-22 R47 R52 R63		8
R40210105-A	100 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 101	5% R15 R30 R50		3
R40210205-A	1K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 102	5% R11 R31 R36 R49 R66		5
R40210305-A	10K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 103	5% R12 R32 R41 R44 R51 R54-59 R61 R71		13
R40210305-A	10K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 103	5% R68 R67		2
R40210405-A	100K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 104	5% R9-10 R13 R28		4
R40215105-A	150 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 151	5% R23 R25		2
R40218005-A	18 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 180	5% R5		1
R40218105-A	180 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 181	5% R8		1

R40218205-A	1K8 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 182	5% R4 R29	2
R40222305-A	22K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 223	5% R14 R19 R40	3
R40222305-A	22K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 223	5% R39	1
R40222405-A	220K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 224	5% R33	1
R40224205-A	2K4 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 242	5% R16 R48	2
R40233105-A	330 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 331	5% R24 R62	2
R40233205-A	3K3 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 332	5% R17	1
R40247205-A	4K7 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 472	5% R20 R35	2
R40247305-A	47K OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 473	5% R38	1
R40251005-A	51 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 510	5% R43	1
R40251205-A	5K1 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 512	5% R37	1
R40256205-A	5K6 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 562	5% R6 R34 R69	3
R40282105-A	820 OHM 0402 SM RESISTOR	ROHM	MCR01MZSJ 821	5% R42	1
RTH333-A	33K OHM 0603 SM THERMISTER	TAIYO YUDEN	TBPS1R333K460H5Q	R45	1
SA676DK	MIXER FM IF SYSTEM IC	PHILIPS	SA676DK	U1	1
SAFC836N5MA-A1-A	836.5MHz SAW FILTER	MURATA	SAFC836.5MA70N-TC	FL2	1
SAFC881N5MA-AA-A	881.5MHz SAW FILTER	MURATA	SAFC881.5MA70N-TC	FL3	1
SFGCG450AX4-A	450kHz IF CERAMIC FILTER	MURATA	SFGCG450AX4	FL4-5	2
SH-IF-A	TAZ IF SHIELD			SH1	1
SH-RX-A	TAZ RX SHIELD			SH2	1
SH-VCO-A	TAZ VCO SHIELD			SH3	1
SMV1255-011	SM HYPERABRUPT VARACTOR DIODE	ALPHA	SMV1255-011	D1-2	2
TK11230BM	3.0 VOLT REGULATOR IC WITH ON/OFF SWITCH	TOKO	TK11230BMCL	U9	1
TPAD	TEST PAD 50 DIA			TP1-5 TP7 TP9-22	20
TPAD-RF				TP6	1
TQ9223	LNA MIXER RFIC	TRIQUINT	TQ9223C	U5	1
UPC2710T	1.5GHz MMIC AMPLIFIER IC	NEC	UPC2710T-E3	U3	1
UPC2745TB	AMPLIFIER IC	NEC	UPC2745TB	U4	1
UPC8106TB	UP-CONVERTER IC	NEC	UPC8106TB	U6	1
VC-3R0A20-0926-B	926MHz VCO	FUJITSU-TOWA	VC-3R0A25-0926	U10	1
X30MHZ-UM1-A	30 MHz CRYSTAL	RALTRON	C-30.000-20-SWL2	10PPM X1	1