

LOCATION	VENDOR	DESCRIPTION	SPEC
D701,D702,D716,D801	SEMTECH CORP.	DIODE-TVS	SMS05C,6V,300W,SOT-23-6
D901	SEMTECH CORP.	DIODE-TVS	SMS05C,6V,300W,SOT-23-6
D902,D903,D906	ROHM CO. LTD	DIODE-ARRAY	DA204U,20V,100mA,C2-3,SC-70,TP
D904,D905	ROHM CO. LTD	DIODE-ARRAY	DAN202U,80V,100mA,CA2-3,SC-70,
Q904	ROHM CO. LTD	TR-SMALL SIGNAL	2SA1576,PNP,200MW,SOT-323,TP,180-390
Q905,Q909	ROHM CO. LTD	TR-SMALL SIGNAL	2SC4081,NPN,200mW,UMT,TP,180-3
Q701,Q702,Q901	MOTOROLA	TR-SMALL SIGNAL	MMBT2222A,NPN,225mW,SOT-23,TP,
Q903,Q906,Q907	TOSHIBA CORPORATION	TR-DIGITAL	RN1104,NPN,100MW,47K/47K,SSM,TP
Q902	TOSHIBA CORPORATION	TR-DIGITAL	RN2104,PNP,100MW,47K/47K,SSM,TP
Q908	ROHM CO. LTD	TR-DIGITAL	DTA114EE,PNP,150MW,10K/10K,SSM,TP
U905	MOTOROLA	FET-GAAS	3441,20V,+8V,3.3A,2W,TSOP-6
D703,D704,D705,D706		LED	CHIP,Y/GRN,0.8x1.2mm,570nm
D707,D708,D709,D711		LED	CHIP,Y/GRN,0.8x1.2mm,570nm
D712,D713,D714,D715		LED	CHIP,Y/GRN,0.8x1.2mm,570nm
U911	TOSHIBA CORPORATION	IC-CMOS LOGIC	7S04FU,INVERTER,SOP,5P,-,TP,
U913	TOSHIBA CORPORATION	IC-CMOS LOGIC	7S66,BILATERAL SWITCH,SOP,5P,5
U904	SGS THOMSON	IC-EEPROM	24256,256KBIT,SOP,8P,150MIL,-,3V
U801	FUJITSU LIMITED	IC-ETC. MEMORY	84VD2219,4MX8 OR 2MX16BIT,BGA,77P
U901	TOSHIBA CORPORATION	IC-VOLTAGE COMP.	75W56,SSOP,8P,110MIL,DUAL,7V,C
U906,U910	MICREL	IC-SWITCH VOL. REG.	5205,SOT-23,5P,150MIL,PLASTIC,
U907		IC-VOLTAGE REGULATOR	2988,SOP,8P,118MIL,PLASTIC,3.0V
U902	SGS THOMSON	IC-ENCODER/DECODER	ST5092TQFPTR,QFP,44P,-,PLASTIC
U912		IC-DATA COMM./GEN.	KB8654,QFP,48P,-,CERAMIC,5V,-,
U903	QUALCOMM	IC-TRANSCEIVER	MSM3000,PBGA,196P,-,PLASTIC,3.5V
L901	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1608
R708,R709,R711,R712	KOA CORPORATION	R-CHIP	100ohm,5%,1/16W,DA,TP,1005
R713,R714,R813,R815	KOA CORPORATION	R-CHIP	100ohm,5%,1/16W,DA,TP,1005
R816,R817	KOA CORPORATION	R-CHIP	100ohm,5%,1/16W,DA,TP,1005
R716,R721,R907,R908	ROHM ELECTRONIC CO. LTD	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005
R928,R931	ROHM ELECTRONIC CO. LTD	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005
R901,R956	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	2.2Kohm,5%,1/16W,DA,TP,1005
R827,R906,R909	KOA CORPORATION	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1005
R912	KOA CORPORATION	R-CHIP	6.2Kohm,5%,1/16W,DA,TP,1005
R903	KOA CORPORATION	R-CHIP	8.2Kohm,5%,1/16W,DA,TP,1005
R802,R805,R902	ROHM ELECTRONIC CO. LTD	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005
R913,R933,R955,R964	ROHM ELECTRONIC CO. LTD	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005
R969	ROHM ELECTRONIC CO. LTD	R-CHIP	12Kohm,5%,1/16W,DA,TP,1005
R932	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	15Kohm,5%,1/16W,DA,TP,1005
R922,R924,R925,R927	KOA CORPORATION	R-CHIP	20Kohm,5%,1/16W,DA,TP,1005
R971	KOA CORPORATION	R-CHIP	20Kohm,5%,1/16W,DA,TP,1005
R715,R811,R812,R918	KOA CORPORATION	R-CHIP	22Kohm,5%,1/16W,DA,TP,1005
R914,R915,R923,R939	KOA CORPORATION	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005
R958	KOA CORPORATION	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005
R929	KOA CORPORATION	R-CHIP	56Kohm,5%,1/16W,DA,TP,1005
R701,R702,R703,R704	ROHM ELECTRONIC CO. LTD	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005
R705,R706,R707,R904	ROHM ELECTRONIC CO. LTD	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005
R905,R943,R944,R945	ROHM ELECTRONIC CO. LTD	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005
R940,R961	ROHM ELECTRONIC CO. LTD	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005
R947,R953,R954	ROHM ELECTRONIC CO. LTD	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005
R963,R967	ROHM ELECTRONIC CO. LTD	R-CHIP	150Kohm,5%,1/16W,DA,TP,1005
R824,R926	ROHM ELECTRONIC CO. LTD	R-CHIP	1Mohm,5%,1/16W,DA,TP,1005
R825,R972	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
R910,R921,R938,C900	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
R952,R804,R807,R919	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
R942	KOA CORPORATION	R-CHIP	1.5Kohm,5%,1/16W,DA,TP,1005
R823		R-CHIP	220Kohm,5%,1/16W,DA,TP,1005
R950		R-CHIP	330Kohm,5%,1/16W,DA,TP,1005
R814,R916,R941	KOA CORPORATION	R-CHIP	470ohm,5%,1/16W,DA,TP,1005
R968	KOA CORPORATION	R-CHIP	680ohm,5%,1/16W,DA,TP,1005
R718,R719,R723,R724		R-CHIP	33ohm,5%,1/16W,DA,TP,1005

R831,R832,R833,R834	KOA CORPORATION	R-CHIP	330ohm,5%,1/16W,DA,TP,1005
R835,R836,R837,R838	KOA CORPORATION	R-CHIP	330ohm,5%,1/16W,DA,TP,1005
R934,R936,R966	KOA CORPORATION	R-CHIP	330ohm,5%,1/16W,DA,TP,1005
R959,R965	KOA CORPORATION	R-CHIP	1.2Kohm,5%,1/16W,DA,TP,1005
R826,R917		R-CHIP	3.3Kohm,5%,1/16W,DA,TP,1005
R911,R948	ROHM ELECTRONIC CO. LTD	R-CHIP	18Kohm,5%,1/16W,DA,TP,1005
R900		R-CHIP	180Kohm,5%,1/16W,DA,TP,1005
R717,R722	KOA CORPORATION	R-CHIP	13KOHM,5%,1/16W,DA,TP,1005
R819,R821,R822	ROHM ELECTRONIC CO. LTD	R-CHIP	100Kohm,1%,1/16W,DA,TP,1005
R818	ROHM ELECTRONIC CO. LTD	R-CHIP	130Kohm,1%,1/16W,DA,TP,1005
C701,C702,C703,C704		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C705,C816,C818,C819		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C821,C930		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C801,C803,C809,C811	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C813,C814,C905,C908	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C909,C918,C919,C921	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C922,C923,C934,C941	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C956,C958,C960,C961	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C932,C933	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.018nF,5%,50V,NP0,TP,1005
C815,C913,C945,C952	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C820,C953	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C812	KYOCERA CORPORATION	C-CERAMIC,CHIP	2.2nF,10%,50V,X7R,TP,1005,-
C724,C817,C935,C936	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	470pF,10%,50V,X7R,TP,1005,-
C970	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	470pF,10%,50V,X7R,TP,1005,-
C706,C707,C708,C709	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1005
C711,C712,C713,C714	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1005
C715,C716,C717,C718	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1005
C719,C721,C722,C723	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1005
C725,C727,C807	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1005
C901,C955	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	680pF,10%,50V,X7R,TP,1005,-
C924,C925,C926,C927	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	8.2nF,10%,16V,X7R,TP,1005,-
C726,C804,C805,C903	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005
C830,C910,C920,C940	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005
C904,C906,C907,C911	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005
C914,C915,C916,C929	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005
C931,C946,C957,C963	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005
C950,C964,C965	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005
C959	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.005nF,0.1pF,50V,NP0,TP,1005
C943	NEC ELECTRONIC INC.	C-CERAMIC,CHIP	10000NF,+80-20%,6.3V,Y5V,TP,2012
C939	MATSUSHITA ELECTRIC TRADING CO	C-TA,CHIP	1uF,20%,10V,GP,TP,2012,2,0
C806,C902,C912,C917	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
C928,C942,C944,C947	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
C949,C951,C954,C962	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
L902	TDK CORP.	INDUCTOR-SMD	1uH,10%,0.8x1.6x0.8mm
X902		CRYSTAL-SMD	.032768MHZ,30PPM,28-ACM,9PF,50OHM,TP
X901		RESONATOR-CERAMIC	27MHz,0.5%,TP,3.2x2.1x1.5
U909		OSCILLATOR-VCTCXO	19.68MHZ,2PPM,-TP,2.8V,2MA
S722		SWITCH-REED	100VDC,0.5A,1000US,1000US
P901		CONNECTOR-SOCKET	60P,2R,0.5mm,SMD-S,AUF
P801		CONNECTOR-SOCKET	18P,1R,0.5MM,SMD-A,SN
J701		CONNECTOR-SOCKET	30P,2R,0.5MM,SMD-S,AUF
		PBA MAIN-USP-TRI RF	USP-TRI,-,USA,RF PBA,-,-,-
D101,D151,D351	TOSHIBA CORPORATION	DIODE-SWITCHING	1SS361,85V,300mA,SC-90,TP
D301	TOSHIBA CORPORATION	DIODE-VARACTOR	1SV279,15V,3nA,USC,TP
D201	TOSHIBA CORPORATION	DIODE-VARACTOR	1SV285,10V,3nA,ESC,TP
D101		DIODE-PIN	RN731V,50V,50mA,SOD-323,TP
D202	TOSHIBA CORPORATION	DIODE-PIN	1SS381,30V,100MA,ESC,TP
Q101	ROHM CO. LTD	TR-SMALL SIGNAL	2SC4081,NPN,200mW,UMT,TP,180-3
Q103,Q152,Q201,Q202	HEWLETT-PACKARD	TR-SMALL SIGNAL	AT32032,NPN,200mW,SOT-323,TP,7
Q401,Q451	HEWLETT-PACKARD	TR-SMALL SIGNAL	AT32032,NPN,200mW,SOT-323,TP,7
Q203,Q404,Q454	TOSHIBA CORPORATION	TR-DIGITAL	RN1102,NPN,100MW,10K/10K,SSM,TP

Q402,Q403	ROHM CO. LTD	TR-DIGITAL	DTA114EE,PNP,150MW,10K/10K,SSM,TP
Q452,Q453	ROHM CO. LTD	TR-DIGITAL	DTA123JE,PNP,150mW,2.2K/47K,EMT3,TP
U403,U453	MOTOROLA	FET-GAAS	3441,20V,+8V,3.3A,2W,TSOP-6
Q102,Q151	NEC ELECTRONIC INC.	FET-GAAS	NE34018,5V,-3V,80mA,125mW,SOT-
U301,U302	TOSHIBA CORPORATION	IC-CMOS LOGIC	7S04FU,INVERTER,SOP,5P,-,TP,
U402	MATSUSHITA ELECTRIC TRADING CO	IC-PREAMP	01037,SOP,6P,59MIL,SINGLE,-,PL
U404	ROCKWELL	IC-POWER AMP	23124,LCC,8P,-,SINGLE,-,PLASTI
U454	ROCKWELL	IC-POWER AMP	23107,LCC,8P,-,SINGLE,-,PLASTI
U101		IC-MMIC AMP	MD57-0001,SOT-26,6P,114MIL,SIN
U452	MATSUSHITA ELECTRIC TRADING CO	IC-RF AMP	01081,SOP,12P,-,-,PLASTIC,8V
U102,U103	MICREL	IC-SWITCH VOL. REG.	5205,SOT-23,5P,150MIL,PLASTIC,
U152,U351	MICREL	IC-VOLTAGE REGULATOR	5210,MSOP,8P,117MIL,PLASTIC,3.0V
U401	NEC ELECTRONIC INC.	IC-MODULATOR	UPC8106T,SOT-23,6P,59MIL,PLASTIC
U204	QUALCOMM	IC-IF CIRCUIT	IFR3000,TQFP,48P,-,PLASTIC,3.5V
U304	QUALCOMM	IC-IF CIRCUIT	IFT3000,TQFP,48P,-,PLASTIC,3.5V
U201	NSC	IC-PLL/SYNTHESIZER	LMX2350SLB,CSP,24P,-,PLASTIC,6.5V
U303	ROHM ELECTRONIC CO.LTD	THERMISTOR-NTC	10Kohm,5%,3650K,-,TP
U305	ROHM ELECTRONIC CO.LTD	THERMISTOR-NTC	10KOHM,3%,4100K,30MWC,TP
U450	ROHM ELECTRONIC CO.LTD	THERMISTOR-NTC	10KOHM,3%,4100K,30MWC,TP
L460	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1608
R209,R214,R225,R402	KOA CORPORATION	R-CHIP	100ohm,5%,1/16W,DA,TP,1005
R404,R408	KOA CORPORATION	R-CHIP	100ohm,5%,1/16W,DA,TP,1005
R105		R-CHIP	220ohm,5%,1/16W,DA,TP,1005
R101,R203,R204,R211	ROHM ELECTRONIC CO.LTD	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005
R202	ROHM ELECTRONIC CO.LTD	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005
R213,R232,R313	ROHM ELECTRONIC CO.LTD	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005
R103,R235	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	2.2Kohm,5%,1/16W,DA,TP,1005
R303	KOA CORPORATION	R-CHIP	8.2Kohm,5%,1/16W,DA,TP,1005
R201,R234,R316	ROHM ELECTRONIC CO.LTD	R-CHIP	10Kohm,5%,1/16W,DA,TP,1005
R107,R153,R216,R219	KOA CORPORATION	R-CHIP	22Kohm,5%,1/16W,DA,TP,1005
R113,R155,R156,R304	KOA CORPORATION	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005
R351,R352,R411,R414	KOA CORPORATION	R-CHIP	47Kohm,5%,1/16W,DA,TP,1005
R311		R-CHIP	68Kohm,5%,1/16W,DA,TP,1005
R236,R309	ROHM ELECTRONIC CO.LTD	R-CHIP	100Kohm,5%,1/16W,DA,TP,1005
R409	ROHM ELECTRONIC CO.LTD	R-CHIP	150Kohm,5%,1/16W,DA,TP,1005
R413,R459	ROHM ELECTRONIC CO.LTD	R-CHIP	470Kohm,5%,1/16W,DA,TP,1005
L450	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
L459	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
L464	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
R206	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
R218,R223,R224	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
R312,R315	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
R112,R150,R160,R233	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	10ohm,5%,1/16W,DA,TP,1005
R301,R457	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	10ohm,5%,1/16W,DA,TP,1005
R151,R154,R205,R217	KOA CORPORATION	R-CHIP	22ohm,5%,1/16W,DA,TP,1005
R221,R410	KOA CORPORATION	R-CHIP	22ohm,5%,1/16W,DA,TP,1005
R207,R212,R215,R413	KOA CORPORATION	R-CHIP	47ohm,5%,1/16W,DA,TP,1005
R415,R450	KOA CORPORATION	R-CHIP	47ohm,5%,1/16W,DA,TP,1005
L303	MATSUSHITA ELECTRIC TRADING CO	R-CHIP	10ohm,5%,1/16W,DA,TP,1608
R230	KOA CORPORATION	R-CHIP	330Kohm,5%,1/16W,DA,TP,1005
R222,R401,R451	ROHM ELECTRONIC CO.LTD	R-CHIP	33Kohm,5%,1/16W,DA,TP,1005
R321	KOA CORPORATION	R-CHIP	470ohm,5%,1/16W,DA,TP,1005
R208	KOA CORPORATION	R-CHIP	680ohm,5%,1/16W,DA,TP,1005
R302		R-CHIP	91Kohm,5%,1/16W,DA,TP,1005
R310		R-CHIP	4.7ohm,5%,1/16W,DA,TP,1005
R320		R-CHIP	4.7ohm,5%,1/16W,DA,TP,1005
R407	KOA CORPORATION	R-CHIP	30ohm,5%,1/16W,DA,TP,1005
R108,R109,R104	KOA CORPORATION	R-CHIP	33ohm,5%,1/16W,DA,TP,1005
R106	KOA CORPORATION	R-CHIP	51ohm,5%,1/16W,DA,TP,1005
R452	KOA CORPORATION	R-CHIP	68ohm,5%,1/16W,DA,TP,1005
R405,R406	KOA CORPORATION	R-CHIP	180ohm,5%,1/16W,DA,TP,1005

R412,R458	KOA CORPORATION	R-CHIP	270ohm,5%,1/16W,DA,TP,1005
R102,R229,R231	KOA CORPORATION	R-CHIP	330ohm,5%,1/16W,DA,TP,1005
R226,R227,R228,R237	KOA CORPORATION	R-CHIP	330ohm,5%,1/16W,DA,TP,1005
R238,R239,R241,R242	KOA CORPORATION	R-CHIP	330ohm,5%,1/16W,DA,TP,1005
R243,R353,R354	KOA CORPORATION	R-CHIP	330ohm,5%,1/16W,DA,TP,1005
R416	KOA CORPORATION	R-CHIP	330ohm,5%,1/16W,DA,TP,1005
R314	KOA CORPORATION	R-CHIP	1.8Kohm,5%,1/16W,DA,TP,1005
R403	ROHM ELECTRONIC CO.LTD	R-CHIP	56OHM,5%,1/16W,DA,TP,1005
R319	ROHM ELECTRONIC CO.LTD	R-CHIP	100Kohm,1%,1/16W,DA,TP,1005
R306	KOA CORPORATION	R-CHIP	13Kohm,1%,1/16W,DA,TP,1005
R308	KOA CORPORATION	R-CHIP	15Kohm,1%,1/16W,DA,TP,1005
R318	ROHM ELECTRONIC CO.LTD	R-CHIP	18Kohm,1%,1/16W,DA,TP,1005
R307	KOA CORPORATION	R-CHIP	4.7Kohm,1%,1/16W,DA,TP,1005
R300	KOA CORPORATION	R-CHIP	10Kohm,1%,1/16W,DA,TP,1005
R317	KOA CORPORATION	R-CHIP	1.5Kohm,1%,1/16W,DA,TP,1005
C166,C203,C253,C300		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C204,C205,C206,C207		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C211,C213,C245,C251		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C230,C255,C466		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C305,C306,C308		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C460		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C465		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C115,C126,C128,C129	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C130,C329	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C131,C179,C182,C183	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C208,C238,C239,C241	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C242,C246,C301	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C302,C303,C304,C307	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C309,C311,C312,C313	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C314,C315,C353,C354	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C326,C415,C456	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C355,C356,C407,C409	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	10nF,10%,16V,X7R,TP,1005,-
C119,C155	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	0.01nF,0.5pF,50V,NP0,TP,1005
C118	KYOCERA CORPORATION	C-CERAMIC,CHIP	0.012nF,5%,50V,NP0,TP,1005
C105	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.015nF,5%,50V,NP0,TP,1005
C174,C210	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.015nF,5%,50V,NP0,TP,1005
C254	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.018nF,5%,50V,NP0,TP,1005
C103,C104,C107,C108	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C113,C117,C123,C124	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C167,C168,C458,C468	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C176,C184,C212,C216	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C223,C227,C234,C330	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C248,C323,C402,C406	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C414,C416,C423	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C425,C426,C428,C452	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C455,C471	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C473,C474	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C159	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.001nF,0.25pF,50V,NP0,TP,1005
C225	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.001nF,0.25pF,50V,NP0,TP,1005
C237,C404	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.001nF,0.25pF,50V,NP0,TP,1005
C252	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.001nF,0.25pF,50V,NP0,TP,1005
C412,C451,C453	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.001nF,0.25pF,50V,NP0,TP,1005
C132,C133,C185,C186	KYOCERA CORPORATION	C-CERAMIC,CHIP	220pF,10%,50V,X7R,TP,1005,-
C429	KYOCERA CORPORATION	C-CERAMIC,CHIP	220pF,10%,50V,X7R,TP,1005,-
C116,C160	KYOCERA CORPORATION	C-CERAMIC,CHIP	0.022nF,5%,50V,NP0,TP,1005
C114,C170,C331,C405	KYOCERA CORPORATION	C-CERAMIC,CHIP	0.002nF,0.25pF,50V,NP0,TP,1005
C150,C180,C403,C450	KYOCERA CORPORATION	C-CERAMIC,CHIP	0.002nF,0.25pF,50V,NP0,TP,1005
C172,C226,C464	KYOCERA CORPORATION	C-CERAMIC,CHIP	0.002nF,0.25pF,50V,NP0,TP,1005
C3	KYOCERA CORPORATION	C-CERAMIC,CHIP	3.3nF,10%,50V,X7R,TP,1005,-
C228	KYOCERA CORPORATION	C-CERAMIC,CHIP	3.9nF,10%,50V,X7R,TP,1005,-
C121	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1005

C463,C467	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	0.033nF,5%,50V,NP0,TP,1005
C109,C236,C454	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	0.003nF,0.25pF,50V,NP0,TP,1005
C419,C459	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	0.003nF,0.25pF,50V,NP0,TP,1005
C202	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	470pF,10%,50V,X7R,TP,1005,-
C157,C321	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1005
C318,C470	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.047nF,5%,50V,NP0,TP,1005
C171	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	0.004nF,0.25pF,50V,NP0,TP,1005
C222,C233	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	0.004nF,0.25pF,50V,NP0,TP,1005
C480		C-CERAMIC,CHIP	0.056nF,5%,50V,NP0,TP,1005
C175	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	680pF,10%,50V,X7R,TP,1005,-
C111,C401	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	0.006nF,0.5pF,50V,NP0,TP,1005
C325		C-CERAMIC,CHIP	0.082nF,5%,50V,NP0,TP,1005
C101	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.008nF,0.5pF,50V,NP0,TP,1005
C153,C476		C-CERAMIC,CHIP	0.0005nF,0.25pF,50V,NP0,TP,1005
C169		C-CERAMIC,CHIP	0.0015nF,0.25pF,50V,NP0,TP,1005
L109		C-CERAMIC,CHIP	0.0015nF,0.25pF,50V,NP0,TP,1005
C214	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	22nF,+80-20%,25V,Y5V,TP,1005
C317	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	33nF,10%,16V,Y5V,TP,1005,1.0mm
C177,C217	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	47nF,10%,16V,Y5V,TP,1005
C224,C461	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	5pF,0.25pF,50V,X7R,TP,1005,1.0
C327,C328,C418	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	5pF,0.25pF,50V,X7R,TP,1005,1.0
C235,C408,C462		C-CERAMIC,CHIP	0.0005nF,0.1pF,50V,NP0,TP,1005
C249	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	1.2nF,10%,50V,X7R,TP,1005
C106		C-CERAMIC,CHIP	0.009nF,0.25pF,50V,NP0,TP,1005
C218,C229,C247,C319	MATSUSHITA ELECTRIC TRADING CO.	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005
C322	MATSUSHITA ELECTRIC TRADING CO.	C-TA,CHIP	1uF,20%,10V,GP,TP,2012,2.0
C102,C125,C127,C134	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
C156,C178,C181,C209	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
C231,C232,C243,C316	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
C310	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
C351,C352,C411,C417	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
C424,C427,C457,C472	NEC ELECTRONIC INC.	C-TA,CHIP	10uF,20%,6.3V,GP,TP,2012,-
C421,C469	NEC ELECTRONIC INC.	C-TA,CHIP	3.3uF,20%,6.3V,GP,TP,2012,-
C201	MATSUSHITA ELECTRIC TRADING CO.	C-TA,CHIP	2.2uF,20%,6.3V,GP,TP,2012,-
C215	MATSUSHITA ELECTRIC TRADING CO.	C-TA,CHIP	2.2uF,20%,6.3V,GP,TP,2012,-
C219,C221	MATSUSHITA ELECTRIC TRADING CO.	C-TA,CHIP	22uF,10%,6.3V,GP,TP,3216
L113		INDUCTOR-SMD	150nH,10%,1.25x2x0.85mm
L305		INDUCTOR-SMD	270nH,10%,0.8x1.6x0.8mm
L112	TDK CORP.	INDUCTOR-SMD	220nH,10%,0.8x1.6x0.8mm
L403,L406,L452	TDK CORP.	INDUCTOR-SMD	1uH,10%,0.8x1.6x0.8mm
L302	MURATA MANUFACTURING CO.,LTD	INDUCTOR-SMD	27nH,10%,2.29x1.73x1.52mm
L206	TDK CORP.	INDUCTOR-SMD	22nH,5%,2.29x1.73x1.52mm
L106	MURATA MANUFACTURING CO.,LTD	INDUCTOR-SMD	100nH,5%,1.6x0.8x0.8mm
L163	MURATA MANUFACTURING CO.,LTD	INDUCTOR-SMD	100nH,5%,1.6x0.8x0.8mm
L207	MURATA MANUFACTURING CO.,LTD	INDUCTOR-SMD	100nH,5%,1.6x0.8x0.8mm
L102,L453,C112	TAIYO YUDEN	INDUCTOR-SMD	10nH,5%,1x0.5x0.5mm
L208,L409	TAIYO YUDEN	INDUCTOR-SMD	3.3nH,0.3nH,1.6x0.8x0.8mm
L151	TAIYO YUDEN	INDUCTOR-SMD	2.7nH,0.5nH,1.6x0.8x0.8mm
L103,L404	MURATA MANUFACTURING CO.,LTD	INDUCTOR-SMD	12nH,10%,1x0.5x0.5mm
L304	TAIYO YUDEN	INDUCTOR-SMD	47nH,5%,1.0x0.5x0.5mm
L306	TAIYO YUDEN	INDUCTOR-SMD	47nH,5%,1.0x0.5x0.5mm
L201,L203		INDUCTOR-SMD	33uH,20%,1.6x0.8x0.8mm
L155,L401,L451	TDK CORP.	INDUCTOR-SMD	5.6nH,10%,1.0x0.5x0.5mm
L202	TDK CORP.	INDUCTOR-SMD	5.6nH,10%,1.0x0.5x0.5mm
L108,L205	TDK CORP.	INDUCTOR-SMD	22nH,5%,1x0.5x0.5mm
L159		INDUCTOR-SMD	1.8nH,0.3nH,1x0.5x0.5mm
L111,L407,L458	TAIYO YUDEN	INDUCTOR-SMD	15nH,5%,1x0.5x0.5mm
L157	TAIYO YUDEN	INDUCTOR-SMD	15nH,5%,1x0.5x0.5mm
L107,L150	TAIYO YUDEN	INDUCTOR-SMD	6.8nH,5%,1x0.5x0.5mm
L154,L204,L402	TAIYO YUDEN	INDUCTOR-SMD	6.8nH,5%,1x0.5x0.5mm
L463	TAIYO YUDEN	INDUCTOR-SMD	2.7nH,0.3nH,1x0.5x0.5mm

L470		INDUCTOR-SMD	1.0nH,0.3nH,1.0x0.5x0.5mm
L158,L454	TDK CORP.	INDUCTOR-SMD	3.9nH,0.3nH,1.0x0.5x0.5mm
L105	TDK CORP.	INDUCTOR-SMD	39nH,5%,1.0x0.5x0.5mm
L162	TDK CORP.	INDUCTOR-SMD	39nH,5%,1.0x0.5x0.5mm
L104	MURATA MANUFACTURING CO.,LTD	INDUCTOR-SMD	18NH,5%,1.0X0.5X0.5MM
L457		INDUCTOR-SMD	2.2NH,0.3NH,1.0X0.5X0.5MM
U203		OSCILLATOR-VCO	1750MHZ,-.50,TP,3V,30MA
U202		OSCILLATOR-VCO	967MHz,-.50ohm,TP,2.7V,8.5mA
F451,F452	FUJITSU LIMITED	FILTER-SAW	1880MHz,60MHz,-,-,-
F154	FUJITSU LIMITED	FILTER-SAW	1960MHz,60MHz,-,-,-
F401,F402	FUJITSU LIMITED	FILTER-SAW	836.5MHZ,25MHZ,1.5DB,TP,2.9DB
F102	FUJITSU LIMITED	FILTER-SAW	881.5MHZ,25MHZ,1.5,TP
F101	FUJITSU LIMITED	FILTER-DUPLEXER	881.5MHZ,836.5MHZ,3.8/2DB,TP
F153	SEC	FILTER-DUPLEXER	1.96GHZ,1.88GHZ,4.4/3.6DB,TP
J151		CONNECTOR-COAXIAL	SMC,JACK,100MOHM,50OHM,.5DB
P301		CONNECTOR-HEADER	NOWALL,60P,2R,0.5mm,SMD-S,AUF
P201		CONNECTOR-HEADER	BOX,20P,2R,0.5MM,SMD-S,AUF
J301		JACK-AC POWER	2P,2.6PI,AU,BLK,NO
U151	HITAM	FREQ-MIXER	210.38MHz,-.10.5dB,-.18dB,20dB
F152	HITAM	FREQ-SEPARATOR	824-894MHz,1850-1990MHz,1W,3.2
F453		FREQ-ISOLATOR	1.850-1.910GHZ,15DB,.6DB,1.5
		PBA MAIN-USP-TRI RF/SUB	USP-TRI,-,USA,RF/SUB PBA,-,-,-
Q501		TR-DIGITAL	RN1104,NPN,100MW,47K/47K,SSM,TP
U501,U502,U503	M/ACOM	IC-ANALOG SWITCH	SW395TR,SPDP,SOT-26,6P,-,DUAL,
L509	ROHMK	R-CHIP	0OHM,5%,1/10W,DA,TP,2012
L501	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1608
R502	KOA CORPOATION	R-CHIP	100ohm,5%,1/16W,DA,TP,1005
C504	ROHM ELECTRONIC CO.LTD	R-CHIP	1Kohm,5%,1/16W,DA,TP,1005
R501	ROHM ELECTRONIC CO.LTD	R-CHIP	470Kohm,5%,1/16W,DA,TP,1005
C501	ROHMK	R-CHIP	0ohm,5%,1/16W,DA,TP,1005
C505,C506		C-CERAMIC,CHIP	0.1nF,5%,50V,NP0,TP,1005
C503,C507,C508	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C509,C517,C518,C519	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C520,C522,C526,C530	KYOCERA CORPORATION	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1005,-
C523	MURATA MANUFACTURING CO.,LTD	C-CERAMIC,CHIP	0.001nF,0.25pF,50V,NP0,TP,1005
C515,C516,C524		C-CERAMIC,CHIP	0.022nF,5%,50V,NP0,TP,1005
C512	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	0.006nF,0.5pF,50V,NP0,TP,1005
C521		C-CERAMIC,CHIP	0.0005nF,0.1pF,50V,NP0,TP,1005
C511		C-CERAMIC,CHIP	0.009nF,0.25pF,50V,NP0,TP,1005
C525	MATSUSHITA ELECTRIC TRADING CO	C-CERAMIC,CHIP	100nF,+80-20%,16V,Y5V,TP,1005
L503	MURATA MANUFACTURING CO.,LTD	INDUCTOR-SMD	47NH,5%,1.6X0.8X0.8MM
L505		INDUCTOR-SMD	82nH,5%,1.25x2x1mm
L502	TDK CORP.	INDUCTOR-SMD	68nH,5%,1.6x0.8x0.8mm
L506		INDUCTOR-SMD	120nH,2%,2.29x1.73x1.52mm
L507		INDUCTOR-SMD	270NH,5%,2.0X1.25X1.0MM
F503	MURATA MANUFACTURING CO.,LTD	FILTER-SAW	85.380MHz,13KHz,+-.13KHz/1.5dB,
F502	MURATA MANUFACTURING CO.,LTD	FILTER-SAW	85.38MHz,0.630MHz,0.3MHz/0.3dB
F501	SGS THOMSON	FILTER-SAW	210.38MHZ,.79MHZ,+-.0.3MHZ/0.5DB,TP
P501		CONNECTOR-SOCKET	2P,1R,1.27mm,SMD-A,AUF
J501		CONNECTOR-SOCKET	20P,2R,0.5MM,SMD-S,AUF

11. FUNCTIONS OF ACTIVE DEVICES

NO	NAME	VENDOR CODE	DESCRIPTION
1	U902	ST5092	CODEC
2	U903	MSM 2300	Mobile Station Modem
3	F101	FAR-D5CC-881M50-D1A6	DUPLEXER(CDMA/AMPS)
4	F153	DFX1880J1960F	DUPLEXER(PCS)
5	U202	UCVA3X153A	VCO(CDMA/AMPS)
6	U203	UCVA3X120A	VCO(PCS)
7	U201	LMX2350CSP	PLL
8	U909	TOU5660	VCTCXO
9	U304	IFT3000	IFT
10	U204	IFR3000	IFR
11	U401	UPC8106T	UPCONVERTER(CDMA/AMPS)
12	U451	UPC8163TB-E3	UPCONVERTER(PCS)
13	U402	GNO1037B	TX DRIVE AMP(CDMA/AMPS)
14	U452	GNO1081B	TX DRIVE AMP(PCS)
15	U454	RI23124U	POWER AMP(CDMA/AMPS)
16	U404	RI23108U	POWER AMP(PCS)