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SPECTRUM ANALYZER BOM : COMPONENTS								
ITEM	DESCRIPTION	PART NO	MANF	REF DES	QTY	COST EA	COST EXT	SCH#
101	Digital Step Atten	PE43711	PSEMI	U101	1			1
102	LOW PASS FILTERS	LFCN3000D+	MCL	FL101,FL102	2			1
103	GAIN BLOCKS	ERA-2SM+	MCL	U102	1			1
104	MIXER,DBM	SIM-83+	MCL	U103	1			1
105	CAPS,SMT BB	530L104KT16T	ATC	C101,C102,C103,C107,C108	5			1
106	CAPS, SMD 0.1uF,16V,X7R	885012205037	WURTH	C104,C106,C110	3			1
107	CAPS,SMD,22pF,0402	885012005057	WURTH	C105,C109	2			1
108	RES, SMD, 1K	CRCW04021K00FKEDC	VISHAY	R101,R102,R103	3			1
109	RES,SMD,51,1/8W	CRCW080551R0FKEA	VISHAY	R104,R105,R106,R107	4			1
110	IND, SMD,22nH,0603	0603CS-R22XJEU	COILCRAFT	L101	1			1
111	GAIN BLOCKS	ERA-1SM+	MCL	U104	1			1
112	IND, SMD,3.3nH,0402	0402CS-3N3XJEU	COILCRAFT	L102	1			
								1
201	GAIN BLOCKS	ERA-2SM+	MCL	U201	1			2
202	MIXER,ACTIVE	LTC5562IUC#TRPBF	ANALOG	U202	1			2
203	BANDPASS FILTERS	3600BP15M600	JTI	FL201,FL202	2			2
204	TRANSFORMER	TC1-1-43+	MCL	T201	1			2
205	TRANSFORMER	TC8-1-10LN+	MCL	T202	1			2
206	IND,SMD,10nH,0402	0402CS-10NXJEU	COILCRAFT	L201	1			2

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207	IND,SMD, 100nH,0603	0603CS-R10XJEU	COILCRAFT	L202,L203	2		2
208	CAP,SMD,22pF,NP0,0402	885012005057	WURTH	C201-C204;C211	5		2
209	RES,SMD,51,1/8W	CRCW080551R0FKEA	VISHAY	R201,R207	2		2
210	CAP, SMD 0.1uF,16V,X7R,0402	885012205037	WURTH	C214,C216,C213,C206	4		2
211	CAP,SMD,0.01uF,16V,X7R,0402	885012205031	WURTH	C205,C210	2		2
212	RES,SMD,300,0402	CRCW0402300RFKED	VENKEL	R202-R205	4		2
213	RES,SMD,36,0402	CRCW040236R0JNED	VENKEL	R206	1		2
301	FILTERS,SAW,315MHz	B39321B3741H110	RF360	FL301,FL302	2		3
302	GAIN BLOCKS	ERA-2SM+	MCL	U301,U302,U304	3		3
303	MIXER,ACTIVE	LTC5562IUC#TRPBF	ANALOG	U303	1		3
304	TRANSFORMER	TC8-1-10LN+	MCL	T301	1		3
305	FILTER,XTAL 45 MHz	ECS-75SMF45A7.5B	ECS	FL303,FL304	2		3
306	RES,SMD 100, 0402	CRCW0402100RJNED	VISHAY	R303	1		3
307	RES,SMD 110,1/4w	CRCW1206110RFKEA	VISHAY	R301,R302,R309,R310,R311,R312	6		3
308	IND,SMD,68nH,0603	0603CS-68NXJEU	COILCRAFT	L301-L304	4		3
309	CAP,SMD,1.8pF,NP0, 0402	GCM1555C1H1R82A16D	MURATA	C301,C302,C303,C304	4		3
310	CAP,SMD,20pF,NP0,0402	GCM1555C1H200JA01D	MURATA	C331,C332	2		3
311	CAP,SMD,30pF,NP0,0402	GCM1555C1H300JA01J	MURATA	C323,C324,C325,C326	4		3
312	CAP,SMD,TBD pF	SAT		C327-C330	4		3

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313	CAP,SMD,0.01uF,X7R,0402	885012205031	WURTH	C308-C311,C316,C317,C320,C322,C335-C338	12		3
314	CAP,SMD,0.1uF,X7R,0402	885012205037	WURTH	C321,C333,C334	3		3
315	IND,SMD,36nH,0402	0402CS-36NXJEU	COILCRAFT	L305,L306	2		3
316	IND,SMD,100nH,0603	0603CS-R10XJEU	COILCRAFT	L307,L308	2		3
317	IND,SMD,390nH,0805	0805CS-391XJEU	COILCRAFT	L309,L311-L314	5		3
401	Logarithmic Amplifiers	AD8307ARZ	ANALOG	U401,U402	2		4
402	A/D CONV 2-CH	AD7887ARMZ	ANALOG	U403	1		4
404	CAP,SMD,4.7pF,0402,25V,NP0	885012005038	WURTH	C401	1		4
405	CAP,SMD,47pF,0402,25V,NP0	885012005044	WURTH	C402	1		4
406	CAP,SMD,5pF,0402,50V,NP0	GCM1555C1H5R0CA16D	MURATA	C403	1		4
407	CAP,SMD,39pF,0402,50V,NP0	GCM1555C1H390JA6D	MURATA	C404	1		4
408	IND,SMD,82nH,0805	0805CS-820XJEU	COILCRAFT	L401	1		4
409	IND,SMD,680nH,0805	0805CS-681XJEU	COILCRAFT	L402	1		4
410	CAPS, SMD 0.1uF,16V,X7R	885012205037	WURTH	C405-C408;C411,C412,C413,C414	8		4
411	RES, SMD, 1K	CRCW04021K00FKEDC	VISHAY	R403,R404	2		4
412	RES, SMD,4.7 ohm	CRCW04024R70JNED	VISHAY	R401,R402,R405	3		4
413	RES, SMD, 1K	CRCW04021K00FKEDC	VISHAY	R406-R409	4		4
414	OP AMP,RAIL TO RAIL	AD8605ARTZ	ANALOG	U404,U405	2		4
501	IC,PLL WITH VCO SYNTH 6800MHz	ADF4356BCPZ	ANALOG	U501	1		5
502	OP AMP,RAIL TO RAIL	AD8605ARTZ	ANALOG	U502	1		5

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503	CAP,SMD,10pF,NP0,0402	885012005055	WURTH	C501,C502,C503	3		5
504	CAPS, SMD 0.1uF,16V,X7R	885012205037	WURTH	C504-C512	9		5
505	CAP,SMD,10pF,NP0,0402	885012005055	WURTH	C513	1		5
506	CAP,SMD,1pF,NP0,0402	CU10Y11R0BATUA	AVX	C514	1		5
507	RES, SMD, 1K,0402	CRCW04021K00FKEDC	VISHAY	R501-R503	3		5
508	RES,SMD,560,0402	CRCW0402560RFKED	VISHAY	R504	1		5
509	RES,SMD,150k,0402	CRCW0402150KJNED	VISHAY	R505	1		5
510	CAP,SMD,10pF,NP0,0402	885012005055	WURTH	C515-C516	2		5
511	IND, SMD,3.3nH,0402	0402CS-3N3XJEU	COILCRAFT	L501	1		5
512	CAP,SMD,1nF,0603,16V,NP0	885012006029	WURTH	C517	1		5
	IC,PLL WITH VCO SYNTH						
601	4400MHz	ADF4355-2BCPZ	ANALOG	U601	1		6
602	OP AMP,RAIL TO RAIL	AD8605ARTZ	ANALOG	U602	1		6
603	CAP,SMD,10pF,NP0,0402	885012005055	WURTH	C601,C602,C603	3		6
604	CAPS, SMD 0.1uF,16V,X7R	885012205037	WURTH	C604-C612	9		6
605	CAP,SMD,10pF,NP0,0402	885012005055	WURTH	C613	1		6
606	CAP,SMD,1pF,NP0,0402	CU10Y11R0BATUA	AVX	C614	1		6
607	RES, SMD, 1K,0402	CRCW04021K00FKEDC	VISHAY	R601-R603	3		6
608	RES,SMD,560,0402	CRCW0402560RFKED	VISHAY	R604	1		6
609	RES,SMD,150k,0402	CRCW0402150KJNED	VISHAY	R605	1		6
610	CAPS,SMD,22pF,0402,NP0	885012005057	WURTH	C615,C616	2		6
611	CAP,SMD,1nF,0603,16V,NP0	885012006029	WURTH	C617	1		6
	IC,PLL WITH VCO SYNTH						
701	4400MHz	ADF4355-2BCPZ	ANALOG	U701	1		7
702	OP AMP,RAIL TO RAIL	AD8605ARTZ	ANALOG	U702	1		7
703	CAP,SMD,10pF,NP0,0402	885012005055	WURTH	C701,C702,C703	3		7
704	CAPS, SMD 0.1uF,16V,X7R	885012205037	WURTH	C704-C712	9		7
705	CAP,SMD,10pF,NP0,0402	885012005055	WURTH	C713	1		7
706	CAP,SMD,1pF,NP0,0402	CU10Y11R0BATUA	AVX	C714	1		7

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707	RES, SMD, 1K,0402	CRCW04021K00FKEDC	VISHAY	R701-R703	3			7
708	RES,SMD,560,0402	CRCW0402560RFKED	VISHAY	R704	1			7
709	RES,SMD,150k,0402	CRCW0402150KJNED	VISHAY	R705	1			7
710	CAPS,SMD,22pF,0402,NP0	885012005057	WURTH	C715,C716	2			7
711	CAP,SMD,1nF,0603,16V,NP0	885012006029	WURTH	C717	1			7
	IC,REGULATOR,ADJ,1.5AMP,TO-							
801	220	LM317T/NOPB	TI	U801-U803	3			8
802	CAP,SMD,0.1uf, 25V,0603,X7R	885012206071	WURTH	C801-C803	3			8
803	CAP,SMD,1.0uF,16V,0603,X7R	885012206052	WURTH	C804-C806	3			8
804	RES,SMD,240,0603	CRCW0603240RFKEB	VISHAY	R801-R803	3			8
805	RES,SMD,1.2K,0603	CRCW06031K21FKEB	VISHAY	R804	1			8
806	RES,SMD,715,0603	CRCW0603715RFKEA	VISHAY	R805	1			8
807	RES,SMD,390,0603	CRCW0603390RJNEB	VISHAY	R806	1			8
808	DIODE,SMD,50V,2AMP	MURA105T3G	ONSEMI	D801	1			8
901	OSC,XTAL,SMD,40.000MHZ	ASE-40.000MHZ-L-C-T	ABRACON	U901	1			9
902	OSC,XTAL,SMD,48.000MHZ	ASE-48.000MHZ-L-C-T	ABRACON	U902	1			9
903	CAP,SMD,0.01uF,X7R,0402	885012205031	WURTH	C901,C902	2			9
904	RES,SMD,150k,0402	CRCW0402150KJNED	VISHAY	R901,R902	2			9