SPE	SPECTRUM ANALYZER BOM : COM	COMPONENTS						
ITEM	DESCRIPTION	PART NO	MANF	REF DES	ΔI	COST	COST	#
101	Digital Sten Atten	PE43711	PSEMI	11101	_			
102	102 LOW PASS FILTERS	LFCN3000D+	MCL:	FL101.FL102	2			
103	103 GAIN BLOCKS	ERA-2SM+	MCL	U102	-			П
104	MIXER, DBM	SIM-83+	MCL	U103	1			1
105	CAPS,SMT BB	530L104KT16T	ATC	C101,C102,C103, C107,C108	2			П
106	106 CAPS, SMD 0.1uF,16V,X7R	885012205037	WURTH	C104,C106,C110	m			П
107	107 CAPS, SMD, 22pF, 0402	885012005057	WURTH	C105,C109	7			1
108	RES, SMD, 1K	CRCW04021K00FKEDC	VISHAY	R101,R102,R103	Μ			П
109	109 RES,SMD,51,1/8W	CRCW080551R0FKEA	VISHAY	R104,R105,R106,R 107	4			П
110	110 IND, SMD,22nH,0603	0603CS-R22XJEU	COILCRAF	L101	1			1
111	111 GAIN BLOCKS	ERA-1SM+	MCL	U104	1			П
112	IND, SMD,3.3nH,0402	0402CS-3N3XJEU	COILCRAF	L102	П			
								Н
201	201 GAIN BLOCKS	ERA-2SM+	MCL	U201	1			7
202	202 MIXER,ACTIVE	LTC5562IUC#TRPBF	ANALOG	U202	1			7
203	BANDPASS FILTERS	3600BP15M600	旦	FL201,FL202	2			7
204	204 TRANSFORMER	TC1-1-43+	MCL	T201	1			7
205	205 TRANSFORMER	TC8-1-10LN+	MCL	T202	1			7
206	IND,SMD,10nH,0402	0402CS-10NXJEU	COILCRAF	L201	П			2

2	2	7	2	2	7	2	m	m	m	m	Μ	m	m	m	m	m	m	m
2	2	2	4	2	4	1	2	3	1	1	2	1	9	4	4	2	4	4
L202,L203	C201-C204;C211	R201,R207	C214,C216,C213, C206	C205,C210	R202-R205	R206	FL301,FL302	U301,U302,U304	U303	T301	FL303,FL304	R303	R301,R302,R309,R 310,R311,R312	L301-L304	C301,C302,C303, C304	C331,C332	C323,C324,C325, C326	C327-C330
COILCRAF L202,L203	WURTH	VISHAY	WURTH	WURTH	VENKEL	VENKEL	RF360	MCL	ANALOG	MCL	ECS	VISHAY	VISHAY	COILCRAF T	MURATA	MURATA	MURATA	
0603CS-R10XJEU	885012005057	CRCW080551R0FKEA	885012205037	885012205031	CRCW0402300RFKED	CRCW040236R0JNED	B39321B3741H110	ERA-2SM+	LTC5562IUC#TRPBF	TC8-1-10LN+	ECS-75SMF45A7.5B	CRCW0402100RJNED	CRCW1206110RFKEA	0603CS-68NXJEU	GCM1555C1H1R82A16D	GCM1555C1H200JA01D	GCM1555C1H300JA01J	SAT
207 IND,SMD, 100nH,0603	208 CAP,SMD,22pF,NP0,0402	209 RES,SMD,51,1/8W	210 CAP, SMD 0.1uF,16V,X7R,0402	211 CAP,SMD,0.01uF,16V,X7R,0402	212 RES,SMD,300,0402	213 RES,SMD,36,0402	301 FILTERS,SAW,315MHz	302 GAIN BLOCKS	303 MIXER, ACTIVE	304 TRANSFORMER	305 FILTER, XTAL 45 MHz	306 RES,SMD 100, 0402	307 RES,SMD 110,1/4w	308 IND,SMD,68nH,0603	309 CAP,SMD,1.8pF,NP0, 0402	310 CAP,SMD,20pF,NP0,0402	311 CAP,SMD,30pF,NP0,0402	312 CAP,SMD,TBD pF

m	Μ	m	m	m	4	4	4	4	4	4	4	4	4	4	4	4	7	Ŋ	2
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317, 335-	334			14									112		05				503
C308- C311,C316,C317, C320,C322,C335- C338	C321,C333,C334	و	ω	L309,L311-L314	02								C405- C408;C411,C412	4	R401,R402,R405	6(C501,C502,C503
3, C3.	1,C3	305,L306	L307,L308),L31	U401,U402	m	_		_	_	_		3,C4.	R403,R404	L,R40	R406-R409		7	1,C5(
C308- C311, C320, C338	C32.	L305	L307	L305	U40	U403	C401	C402	C403	C404	L401	L402	C405- C408;	R40	R40.	R40	U501	U502	C20.
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WURTH	WURTH	COILCRAF	COILCRAF	COILCRAF	ANALOG	ANALOG	WURTH	WURTH	MURATA	MURATA	COILCRAF	COILCRAF	WURTH	VISHAY	VISHAY	VISHAY	ANALOG	ANALOG	WURTH
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									GCM1555C1H5R0CA16D	√6D				DC	۵	DC			
H	_	回	品	Э			ω	4	5R0C	390/	吕	品	_	OFK.) ONE	0FK			ъ
)503	503	36NX	10XJ	391Xj	Z	RMZ	503)504	C1H	C1H	320XJ	381X	503	21K0	24R7	21KC	BCPZ	RIZ)505
1220	1220	CS-3	CS-F	CS-3	307A	387A	1200	1200	1555	1555	S-S	CS-6	1220	W 40	W 40	W 040	1356	305A	1200
885012205031	885012205037	0402CS-36NXJEI	0603CS-R10XJEU	0805CS-391XjEU	AD8307ARZ	AD7887ARMZ	885012005038	885012005044	GCM	GCM1555C1H390JA6D	0805CS-820XJEL	0805CS-681XJEU	885012205037	CRCW04021K00FKEDC	CRCW04024R70JNED	CRCW04021K00FKEDC	ADF4356BCPZ	AD8605ARTZ	885012005055
						Ť			Ť										
22	~						V,NP0	,NPC	NP0	,NPC			<u>بر</u>						
R,04(,040		<u>ش</u>	Ω	ร		2,25	,25	50V,	,50		Ω.	\ \ \ \ X'X				Ē	١.	0402
F,X7I	,X7R	0402	1,060	1,080	plifie		,040	0402	402,	0402	0805	1,080	JF,16		hn		SYI	풀	NPO,
.01u	.1uF	6nH,	90nF	90nF	: Am	2-CH	.7pF	.7pF,	pF,0	9pF,	2nH,	80nF	0.10	꿁	1.70	갂	000	2	.0pF,
MD,C	MD,0	1D,3	1D,1	1D,3	thmi	N N	MD,4	MD,4	MD,5	MD,3	4D,8	4D,6	SMC	MD,	MD,	MD,	₩ Hz	P,R	MD,1
AP,SI	AP,SI	ID,SI	ID,SI	ID,SI	ogaril) C	AP,SI	AP,SI	AP,SI	AP,SI	ID,SI	IND,SMD,680nH,0805	۹PS,	<u>=</u> S, S	<u>=</u> S, S	RES, SMD, 1K	IC, PLL WTH VCO SYNTH 6800MHz	P AM	CAP, SMD, 10pF, NP0, 0402
313 CAP,SMD,0.01uF,X7R,0402	314 CAP,SMD,0.1uF,X7R,0402	315 IND, SMD, 36nH, 0402	316 IND, SMD, 100nH, 0603	317 IND,SMD,390nH,0805	401 Logarithmic Amplifiers	402 A/D CONV 2-CH	404 CAP, SMD, 4.7pF, 0402, 25V, N	405 CAP, SMD, 47pF, 0402, 25V, NP0	406 CAP,SMD,5pF,0402,50V,NP0	407 CAP, SMD, 39pF, 0402, 50V, NP0	408 IND, SMD, 82nH, 0805	409 IN	410 CAPS, SMD 0.1uF,16V,X7R	411 RES, SMD, 1K	412 RES, SMD,4.7 ohm	413 RE	IC 501 68	502 OP AMP, RAIL TO RAII	503 C/
31	3	ω,	ω,	Ω	4	4	4	4	4	4	4	4	4	4	4	4]	2(2	2(

ιΩ	2	2	2	2	2	2	2	ιΩ	9	9	9	9	9	9	9	9	9	9	9	7	7	7	7	7	7	7
6	1	1	3	1	1	2	1	1	-	1	8	6	1	1	3	1	1	2	1		1	e	6	1	1	Ж
C504-C512	C513	C514	R501-R503	R504	R505	C515-C516	L501	C517	U601	U602	C601,C602,C603	C604-C612	C613	C614	R601-R603	R604	R605	C615,C616	C617	U701	U702	C701,C702,C703	C704-C712	C713	C714	R701-R703
WURTH	WURTH	AVX	VISHAY	VISHAY	VISHAY	WURTH	COILCRAF	WURTH	ANALOG	ANALOG	WURTH	WURTH	WURTH	AVX	VISHAY	VISHAY	VISHAY	WURTH	WURTH	ANALOG	ANALOG	WURTH	WURTH	WURTH	AVX	VISHAY
885012205037	885012005055	CU10Y11R0BATUA	CRCW04021K00FKEDC	CRCW0402560RFKED	CRCW0402150KJNED	885012005055	0402CS-3N3XJEU	885012006029	ADF4355-2BCPZ	AD8605ARTZ	885012005055	885012205037	885012005055	CU10Y11R0BATUA	CRCW04021K00FKEDC	CRCW0402560RFKED	CRCW0402150KJNED	885012005057	885012006029	ADF4355-2BCPZ	AD8605ARTZ	885012005055	885012205037	885012005055	CU10Y11R0BATUA	CRCW04021K00FKEDC
504 CAPS, SMD 0.1uF,16V,X7R	505 CAP,SMD,10pF,NP0,0402	506 CAP,SMD,1pF,NP0,0402	507 RES, SMD, 1K,0402	508 RES,SMD,560,0402	509 RES,SMD,150k,0402	510 CAP,SMD,10pF,NP0,0402	511 IND, SMD,3.3nH,0402	512 CAP,SMD,1nF,0603,16V,NP0	601 IC, PLL WITH VCO SYNTH	602 OP AMP, RAIL TO RAIL	603 CAP, SMD, 10pF, NP0, 0402	604 CAPS, SMD 0.1uF,16V,X7R	605 CAP,SMD,10pF,NP0,0402	606 CAP,SMD,1pF,NP0,0402	607 RES, SMD, 1K,0402	608 RES,SMD,560,0402	609 RES,SMD,150k,0402	610 CAPS, SMD, 22pF, 0402, NP0	611 CAP,SMD,1nF,0603,16V,NP0	701 IC.PLL WITH VCO SYNTH	702 OP AMP, RAIL TO RAIL	703 CAP, SMD, 10pF, NP0, 0402	704 CAPS, SMD 0.1uF,16V,X7R	705 CAP,SMD,10pF,NP0,0402	706 CAP,SMD,1pF,NP0,0402	707 RES, SMD, 1K,0402

7	7	7	7	ω	∞	∞	∞	∞	∞	∞	∞
7	1	2	1	8	3	3	3	1	1	1	1
R704	R705	C715,C716	C717	U801-U803	C801-C803	C804-C806	R801-R803	R804	R805	R806	D801
VISHAY	VISHAY	WURTH	WURTH	F	WURTH	WURTH	VISHAY	VISHAY	VISHAY	VISHAY	ONSEMI
CRCW0402560RFKED	CRCW0402150KJNED	885012005057	885012006029	7,TO-2 LM317T/NOPB	885012206071	885012206052	CRCW0603240RFKEB	CRCW06031K21FKEB	CRCW0603715RFKEA	CRCW0603390RJNEB	MURA105T3G
708 RES,SMD,560,0402	709 RES,SMD,150k,0402	710 CAPS,SMD,22pF,0402,NP0	711 CAP,SMD,1nF,0603,16V,NP0	801 IC, REGULATOR, ADJ, 1.5AMP, TO-2	802 CAP,SMD,0.1uf, 25V,0603,X7R		804 RES,SMD,240,0603	805 RES,SMD,1.2K,0603	806 RES,SMD,715,0603	807 RES,SMD,390,0603	808 DIODE, SMD, 50V, 2AMP
708	709	710	711	801	802	803	804	805	806	807	808