

PAMS Technical Documentation

RAE-2 Series PDA Phone

Chapter 11

Parts Lists

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GSM Module Parts List

0201095 BS8 GSM CMT MODULE EDMS Issue: 6.2

Item	Code	Description	Value/Type	
R103	1430770	Chip resistor	4.7 k	5 % 0.063 W 0402
R104	1430796	Chip resistor	47 k	5 % 0.063 W 0402
R120	1430810	Chip resistor	180 k	5 % 0.063 W 0402
R121	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R122	1620019	Res network	0w06 2x10k j	0404
R123	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R124	1430718	Chip resistor	47	5 % 0.063 W 0402
R125	1430718	Chip resistor	47	5 % 0.063 W 0402
R128	1430718	Chip resistor	47	5 % 0.063 W 0402
R131	1422881	Chip resistor	0.22	5 % 1 W 1218
R136	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R140	1620025	Res network	0w06 2x100k j	0404
R141	1430796	Chip resistor	47 k	5 % 0.063 W 0402
R142	1430718	Chip resistor	47	5 % 0.063 W 0402
R151	1430690	Chip jumper		0402
R152	1430690	Chip jumper		0402
R170	1825005	Chip varistor	vwm14v vc30v 0805	0805
R171	1430071	Chip resistor	22 k	5 % 0.063 W 0603
R172	1825003	Chip varistor	vwm5.5v vc15.5 0805	0805
R173	1430726	Chip resistor	100	5 % 0.063 W 0402
R190	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R191	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R195	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R201	1430812	Chip resistor	220 k	5 % 0.063 W 0402
R202	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R203	1430812	Chip resistor	220 k	5 % 0.063 W 0402
R211	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R213	1430744	Chip resistor	470	5 % 0.063 W 0402
R215	1620029	Res network	0w06 2x4k7 j	0404
R216	1620023	Res network	0w06 2x47k j	0404
R240	1620017	Res network	0w06 2x100r j	0404
R251	1620025	Res network	0w06 2x100k j	0404
R252	1430740	Chip resistor	330	5 % 0.063 W 0402
R254	1620027	Res network	0w06 2x47r j	0404
R256	1430762	Chip resistor	2.2 k	5 % 0.063 W 0402
R257	1430796	Chip resistor	47 k	5 % 0.063 W 0402
R259	1430796	Chip resistor	47 k	5 % 0.063 W 0402
R260	1430788	Chip resistor	22 k	5 % 0.063 W 0402
R261	1430788	Chip resistor	22 k	5 % 0.063 W 0402
R263	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R271	1430796	Chip resistor	47 k	5 % 0.063 W 0402
R272	1620031	Res network	0w06 2x1k0 j	0404

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R280	1430770	Chip resistor	4.7 k	5 % 0.063 W 0402
R500	1430740	Chip resistor	330	5 % 0.063 W 0402
R501	1430700	Chip resistor	10	5 % 0.063 W 0402
R502	1430700	Chip resistor	10	5 % 0.063 W 0402
R503	1620029	Res network 0w06 2x4k7 j	0404	0404
R504	1430144	Chip jumper		0603
R505	1430744	Chip resistor	470	5 % 0.063 W 0402
R506	1430144	Chip jumper		0603
R507	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R508	1430764	Chip resistor	3.3 k	5 % 0.063 W 0402
R509	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R510	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R511	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R512	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R513	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R514	1430714	Chip resistor	33	5 % 0.063 W 0402
R515	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R516	1430776	Chip resistor	8.2 k	5 % 0.063 W 0402
R517	1430740	Chip resistor	330	5 % 0.063 W 0402
R518	1430748	Chip resistor	680	5 % 0.063 W 0402
R519	1430776	Chip resistor	8.2 k	5 % 0.063 W 0402
R520	1430744	Chip resistor	470	5 % 0.063 W 0402
R521	1430714	Chip resistor	33	5 % 0.063 W 0402
R522	1430730	Chip resistor	150	5 % 0.063 W 0402
R523	1430700	Chip resistor	10	5 % 0.063 W 0402
R524	1430762	Chip resistor	2.2 k	5 % 0.063 W 0402
R525	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R526	1430734	Chip resistor	220	5 % 0.063 W 0402
R527	1430784	Chip resistor	15 k	5 % 0.063 W 0402
R528	1430780	Chip resistor	12 k	5 % 0.063 W 0402
R529	1430730	Chip resistor	150	5 % 0.063 W 0402
R530	1430710	Chip resistor	22	5 % 0.063 W 0402
R531	1430808	Chip resistor	150 k	5 % 0.063 W 0402
R532	1430780	Chip resistor	12 k	5 % 0.063 W 0402
R533	1430700	Chip resistor	10	5 % 0.063 W 0402
R534	1430780	Chip resistor	12 k	5 % 0.063 W 0402
R535	1430710	Chip resistor	22	5 % 0.063 W 0402
R536	1430762	Chip resistor	2.2 k	5 % 0.063 W 0402
R538	1430808	Chip resistor	150 k	5 % 0.063 W 0402
R539	1430780	Chip resistor	12 k	5 % 0.063 W 0402
R540	1430796	Chip resistor	47 k	5 % 0.063 W 0402
R542	1430762	Chip resistor	2.2 k	5 % 0.063 W 0402
R543	1430710	Chip resistor	22	5 % 0.063 W 0402
R544	1430832	Chip resistor	2.7 k	5 % 0.063 W 0402
R545	1430710	Chip resistor	22	5 % 0.063 W 0402
R546	1430762	Chip resistor	2.2 k	5 % 0.063 W 0402
R547	1430788	Chip resistor	22 k	5 % 0.063 W 0402

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R548	1430762	Chip resistor	2.2 k	5 % 0.063 W 0402
R549	1430780	Chip resistor	12 k	5 % 0.063 W 0402
R550	1430774	Chip resistor	6.8 k	5 % 0.063 W 0402
R551	1430812	Chip resistor	220 k	5 % 0.063 W 0402
R552	1430776	Chip resistor	8.2 k	5 % 0.063 W 0402
R553	1430740	Chip resistor	330	5 % 0.063 W 0402
R554	1430766	Chip resistor	3.9 k	5 % 0.063 W 0402
R555	1430740	Chip resistor	330	5 % 0.063 W 0402
R556	1430752	Chip resistor	820	5 % 0.063 W 0402
R557	1430726	Chip resistor	100	5 % 0.063 W 0402
R558	1430740	Chip resistor	330	5 % 0.063 W 0402
R559	1430726	Chip resistor	100	5 % 0.063 W 0402
R560	1430690	Chip jumper		0402
R570	1430700	Chip resistor	10	5 % 0.063 W 0402
R622	1430718	Chip resistor	47	5 % 0.063 W 0402
R677	1430726	Chip resistor	100	5 % 0.063 W 0402
R690	1820031	NTC resistor	330	10 % 0.12 W 0805
R691	1430744	Chip resistor	470	5 % 0.063 W 0402
C104	2320131	Ceramic cap.	33 n	10 % 16 V 0603
C105	2610003	Tantalum cap. 3.2x1.6x1.6	10 u	20 % 10 V
C106	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C108	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C120	2320592	Ceramic cap.	2.2 n	5 % 50 V 0402
C121	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C127	2310784	Ceramic cap.	100 n	10 % 25 V 0805
C128	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C129	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C130	2610003	Tantalum cap. 3.2x1.6x1.6	10 u	20 % 10 V
C131	2610005	Tantalum cap. 3.5x2.8x1.9	10 u	20 % 16 V
C132	2312403	Ceramic cap.	2.2 u	10 % 10 V 1206
C133	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C134	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C135	2610003	Tantalum cap. 3.2x1.6x1.6	10 u	20 % 10 V
C136	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C137	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C138	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C139	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C140	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C160	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C161	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C170	2604127	Tantalum cap. 3.5x2.8x1.9	1.0 u	20 % 35 V
C171	2320546	Ceramic cap.	27 p	5 % 50 V 0402

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C172	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C173	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C174	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C175	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C176	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C177	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C178	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C179	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C180	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C181	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C182	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C183	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C201	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C202	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C203	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C204	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C205	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C206	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C207	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C208	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C209	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C211	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C212	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C213	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C221	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C231	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C240	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C241	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C250	2320131	Ceramic cap.	33 n	10 % 16 V 0603
C251	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C252	2312296	Ceramic cap.		Y5 V 1210
C253	2320131	Ceramic cap.	33 n	10 % 16 V 0603
C254	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C255	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C256	2312296	Ceramic cap.		Y5 V 1210
C257	2320131	Ceramic cap.	33 n	10 % 16 V 0603
C258	2320131	Ceramic cap.	33 n	10 % 16 V 0603
C259	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C260	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C261	2310784	Ceramic cap.	100 n	10 % 25 V 0805
C262	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C263	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C264	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C270	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C271	2610003	Tantalum cap. 3.2x1.6x1.6	10 u	20 % 10 V
C272	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805

Parts			Technical Documentation	
C273	2320131	Ceramic cap.	33 n	10 % 16 V 0603
C274	2320131	Ceramic cap.	33 n	10 % 16 V 0603
C275	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C280	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C281	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C282	2320779	Ceramic cap.	100 n	10 % 16 V 0603
C500	2320518	Ceramic cap.	1.8 p	0.25 % 50 V 0402
C501	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C502	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C503	2320534	Ceramic cap.	8.2 p	0.25 % 50 V 0402
C504	2320530	Ceramic cap.	5.6 p	0.25 % 50 V 0402
C505	2320550	Ceramic cap.	39 p	5 % 50 V 0402
C506	2320514	Ceramic cap.	1.2 p	0.25 % 50 V 0402
C507	2320532	Ceramic cap.	6.8 p	0.25 % 50 V 0402
C508	2320534	Ceramic cap.	8.2 p	0.25 % 50 V 0402
C509	2320530	Ceramic cap.	5.6 p	0.25 % 50 V 0402
C510	2320508	Ceramic cap.	1.0 p	0.25 % 50 V 0402
C511	2320550	Ceramic cap.	39 p	5 % 50 V 0402
C512	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C513	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C514	2320536	Ceramic cap.	10 p	5 % 50 V 0402
C515	2320540	Ceramic cap.	15 p	5 % 50 V 0402
C516	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C517	2320536	Ceramic cap.	10 p	5 % 50 V 0402
C518	2320536	Ceramic cap.	10 p	5 % 50 V 0402
C519	2320536	Ceramic cap.	10 p	5 % 50 V 0402
C520	2320536	Ceramic cap.	10 p	5 % 50 V 0402
C521	2320548	Ceramic cap.	33 p	5 % 50 V 0402
C522	2320530	Ceramic cap.	5.6 p	0.25 % 50 V 0402
C523	2320530	Ceramic cap.	5.6 p	0.25 % 50 V 0402
C524	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C525	2320536	Ceramic cap.	10 p	5 % 50 V 0402
C526	2320522	Ceramic cap.	2.7 p	0.25 % 50 V 0402
C527	2320508	Ceramic cap.	1.0 p	0.25 % 50 V 0402
C528	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C529	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C530	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C531	2320592	Ceramic cap.	2.2 n	5 % 50 V 0402
C532	2320526	Ceramic cap.	3.9 p	0.25 % 50 V 0402
C533	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C534	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C535	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C536	2320779	Ceramic cap.	100 n	10 % 16 V 0603
C537	2310784	Ceramic cap.	100 n	10 % 25 V 0805
C538	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C539	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C540	2320560	Ceramic cap.	100 p	5 % 50 V 0402

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C541	2320536	Ceramic cap.	10 p	5 % 50 V 0402
C542	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C543	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C544	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C545	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C546	2320552	Ceramic cap.	47 p	5 % 50 V 0402
C547	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C548	2310784	Ceramic cap.	100 n	10 % 25 V 0805
C549	2320552	Ceramic cap.	47 p	5 % 50 V 0402
C550	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C551	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C552	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C553	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C554	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C556	2320554	Ceramic cap.	56 p	5 % 50 V 0402
C558	2310181	Ceramic cap.	1.5 n	5 % 50 V 1206
C559	2310784	Ceramic cap.	100 n	10 % 25 V 0805
C560	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C562	2320596	Ceramic cap.	3.3 n	5 % 50 V 0402
C563	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C564	2320554	Ceramic cap.	56 p	5 % 50 V 0402
C565	2611691	Tantalum cap. 7.3x4.3x4.1	470 u	20 % 10 V
C566	2611691	Tantalum cap. 7.3x4.3x4.1	470 u	20 % 10 V
C567	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C568	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C569	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C571	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C572	2610024	Tantalum cap. 3.2x1.6x1.6	2.2 u	20 % 16 V
C573	2320744	Ceramic cap.	1.0 n	10 % 50 V 0402
C574	2320554	Ceramic cap.	56 p	5 % 50 V 0402
C575	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C576	2320554	Ceramic cap.	56 p	5 % 50 V 0402
C577	2320554	Ceramic cap.	56 p	5 % 50 V 0402
C579	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C580	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C581	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C582	2320540	Ceramic cap.	15 p	5 % 50 V 0402
C583	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C584	2310248	Ceramic cap.	4.7 n	5 % 50 V 1206
C585	2320548	Ceramic cap.	33 p	5 % 50 V 0402
C586	2320554	Ceramic cap.	56 p	5 % 50 V 0402
C587	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C588	2320592	Ceramic cap.	2.2 n	5 % 50 V 0402
C589	2320602	Ceramic cap.	4.7 p	0.25 % 50 V 0402

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C590	2320534	Ceramic cap.	8.2 p	0.25 % 50 V 0402
C591	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C592	2320546	Ceramic cap.	27 p	5 % 50 V 0402
C593	2320554	Ceramic cap.	56 p	5 % 50 V 0402
C595	2320532	Ceramic cap.	6.8 p	0.25 % 50 V 0402
C596	2320532	Ceramic cap.	6.8 p	0.25 % 50 V 0402
C597	2320536	Ceramic cap.	10 p	5 % 50 V 0402
C598	2320602	Ceramic cap.	4.7 p	0.25 % 50 V 0402
C599	2320554	Ceramic cap.	56 p	5 % 50 V 0402
C601	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C618	2320483	Ceramic cap.	68 n	10 % 16 V 0603
C627	2610023	Tantalum cap.	4.7 u	20 % 10 V
3.5x2.8x1.2				
L103	3203701	Ferrite bead 33r/100mhz	0805	0805
L170	3203701	Ferrite bead 33r/100mhz	0805	0805
L171	3203701	Ferrite bead 33r/100mhz	0805	0805
L172	3640035	Filt z>450r/100m 0r7max 0.2a	0603	0603
L173	3640035	Filt z>450r/100m 0r7max 0.2a	0603	0603
L174	3640035	Filt z>450r/100m 0r7max 0.2a	0603	0603
L500	3645121	Chip coil	6 n	5 % Q=32/800M
0603				
L501	3641626	Chip coil	220 n	2 % Q=30/100 MHz
0805				
L502	3608326	Chip coil	330 n	5 % Q=33/50 MHz
1206				
L503	3645121	Chip coil	6 n	5 % Q=32/800M
0603				
L504	3641626	Chip coil	220 n	2 % Q=30/100 MHz
0805				
L505	3643039	Chip coil	220 n	5 % Q=35/100 MHz
0805				
L506	3645131	Chip coil	8 n	5 % Q=8/100M 0603
L507	3643039	Chip coil	220 n	5 % Q=35/100 MHz
0805				
L508	3645131	Chip coil	8 n	5 % Q=8/100M 0603
L509	3645175	Chip coil	12 n	5 % Q=12/100 MHz
0603				
L510	3203705	Ferrite bead 0.015r 42r/100m	0805	0805
L511	3648808	Chip coil		10 % Q=50 1206
L512	3645161	Chip coil	150 n	5 % Q=14/100 MHz
0603				
L513	3643025	Chip coil	56 n	5 % Q=40/200 MHz
0805				
L514	3645157	Chip coil	100 n	10 % Q=12/100 MHz
0603				
L515	3645157	Chip coil	100 n	10 % Q=12/100 MHz
0603				

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Parts

L516	3203709	Ferrite bead 0.5r 120r/100m	0402	0402
G601	4350143	Vco 1006-1031mhz 2.8v 10ma	gsm	
G690	4510217	VCTCXO	13.000 M	+/-5PPM 2.8V
F170	5119019	SM, fuse f 1.5a 32v	0603	
Z500	4512075	Dupl 890-915/935-960mhz	15.0x8.2	15.0x8.2
Z601	4511049	Saw filter	947.5+-12.5 M	3.1x3.1
Z602	4511015	Saw filter	902.5+-12.5 M	/3.8DB 4X4
Z650	4510137	Saw filter	71+-0.09 M	14.2x8.4
Z701	4510009	Cer.filt 13+-0.09mhz	7.2x3.2	7.2x3.2
V104	4113651	Trans. supr.	QUAD	6 V SOT23-5
V116	4110067	Schottky diode	MBR0520L	20 V 0.5 A SOD123
V140	4219904	Transistor x 2	UMX1	npn 40 V SOT363
V170	4113651	Trans. supr.	QUAD	6 V SOT23-5
V190	4113651	Trans. supr.	QUAD	6 V SOT23-5
V195	4110014	Sch. diode x 2	BAS70-07	70 V 15 mA SOT143
V201	4110014	Sch. diode x 2	BAS70-07	70 V 15 mA SOT143
V270	4210100	Transistor	BC848W	npn 30 V SOT323
V271	4113601	Emi filter emif01-5250sc5	sot23-5	SOT23-5
V502	4551001	Dir.coupler 0.8-1ghz	3.5x1.8x1.2	3.5x1.8x1.2
V503	4110014	Sch. diode x 2	BAS70-07	70 V 15 mA SOT143
V660	4210066	Transistor	BFR93AW	npn 12 V 35 mA
SOT323				
V700	4110018	Cap. diode	BB135	30 V SOD323
V702	4210100	Transistor	BC848W	npn 30 V SOT323
D100	4340523	IC, 1xbilater. switch sot3	TC7S66FU	SOT353
D200	4370421	Mad2 rom4 v14 f721727	c10	UBGA176
D210	4340507	IC, flash mem.		CSP48
D220	4340499	IC, SRAM		STSOP32
D230	4342264	IC, EEPROM		SO8S
D250	4370371	Cobba	gj b09 bb asic	UBGA
N110	4370391	Ccont2h	dct3 bb asic	TQFP64
N120	4370165	Chaps	charger control	SO16
N201	4340164	IC, regulator	TK11247	4.75 V 180 mA SSO6
N500	4370451	Rf9117e6	pw amp	890-915mhz
N600	4370253	Crfu1a rx+tx uhf gsm v5	sot401-1	SOT401-1
N690	4370351	Summa v2 rx,tx,pll,pcontr.	tqfp48	TQFP48
X150	5409089	SM, sim conn 2x3pol	p2.54 1a h1.	H1.5
X160	5469087	SM, battery conn 2dc+2af	12vdc 2	2A
X171	5429011	SM, coax conn f 50r	100v 0.3a 3g	3GHZ
X190	5469095	SM, conn 2x25 m	p0.5 str. pcb/pc	PCB/PCB
X191	5469093	SM, mmc conn 7pol	p2.5 5vdc 100m	100MA
A500	9517021	RF shield large	dmc01227 rae-	RAE-2
A501	9517022	RF shield medium	dmc01228 rae-	RAE-2
A502	9517023	RF shield small	dmc01229 rae-	RAE-2
	9854299	PCB BS8	73.70X50.90X1.3	M8 8/PA

PDA Module Parts List

0201096 BS1 PDA MODULE

EDMS Issue: 6.3

Item	Code	Description	Value/Type	
R300	1430693	Chip resistor	5.6	5 % 0.063 W 0402
R301	1430726	Chip resistor	100	5 % 0.063 W 0402
R302	1430693	Chip resistor	5.6	5 % 0.063 W 0402
R303	1430693	Chip resistor	5.6	5 % 0.063 W 0402
R304	1430693	Chip resistor	5.6	5 % 0.063 W 0402
R310	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R400	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R401	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R403	1430742	Chip resistor	390	5 % 0.063 W 0402
R405	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R407	1430842	Chip resistor	680 k	1 % 0.063 W 0402
R408	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R428	1430690	Chip jumper		0402
R430	1430700	Chip resistor	10	5 % 0.063 W 0402
R431	1430784	Chip resistor	15 k	5 % 0.063 W 0402
R432	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R433	1430770	Chip resistor	4.7 k	5 % 0.063 W 0402
R434	1430770	Chip resistor	4.7 k	5 % 0.063 W 0402
R440	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R460	1430744	Chip resistor	470	5 % 0.063 W 0402
R461	1430298	Chip resistor	1.0 M	2 % 0.063 W 0603
R462	1430061	Chip resistor	511 k	1 % 0.063 W 0603
R463	1430031	Chip resistor	100 k	1 % 0.063 W 0603
R465	1430842	Chip resistor	680 k	1 % 0.063 W 0402
R466	1430187	Chip resistor	47 k	1 % 0.063 W 0402
R467	1430842	Chip resistor	680 k	1 % 0.063 W 0402
R468	1430187	Chip resistor	47 k	1 % 0.063 W 0402
R469	1430122	Chip resistor	4.7 M	5 % 0.063 W 0603
R493	1430842	Chip resistor	680 k	1 % 0.063 W 0402
R494	1430842	Chip resistor	680 k	1 % 0.063 W 0402
R495	1430842	Chip resistor	680 k	1 % 0.063 W 0402
R802	1430726	Chip resistor	100	5 % 0.063 W 0402
R803	1430722	Chip resistor	68	5 % 0.063 W 0402
R804	1430726	Chip resistor	100	5 % 0.063 W 0402
R805	1430722	Chip resistor	68	5 % 0.063 W 0402
R806	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R808	1430714	Chip resistor	33	5 % 0.063 W 0402
R809	1430714	Chip resistor	33	5 % 0.063 W 0402
R810	1430720	Chip resistor	56	5 % 0.063 W 0402
R811	1430726	Chip resistor	100	5 % 0.063 W 0402
R812	1430722	Chip resistor	68	5 % 0.063 W 0402
R813	1430726	Chip resistor	100	5 % 0.063 W 0402

Technical Documentation

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R814	1430722	Chip resistor	68	5 % 0.063 W 0402
R815	1430726	Chip resistor	100	5 % 0.063 W 0402
R816	1430722	Chip resistor	68	5 % 0.063 W 0402
R818	1430726	Chip resistor	100	5 % 0.063 W 0402
R819	1430722	Chip resistor	68	5 % 0.063 W 0402
R821	1430726	Chip resistor	100	5 % 0.063 W 0402
R822	1430722	Chip resistor	68	5 % 0.063 W 0402
R844	1430726	Chip resistor	100	5 % 0.063 W 0402
R845	1430726	Chip resistor	100	5 % 0.063 W 0402
R846	1430726	Chip resistor	100	5 % 0.063 W 0402
R847	1430726	Chip resistor	100	5 % 0.063 W 0402
R848	1430726	Chip resistor	100	5 % 0.063 W 0402
R849	1430726	Chip resistor	100	5 % 0.063 W 0402
R850	1430726	Chip resistor	100	5 % 0.063 W 0402
R851	1430722	Chip resistor	68	5 % 0.063 W 0402
R852	1430726	Chip resistor	100	5 % 0.063 W 0402
R853	1430722	Chip resistor	68	5 % 0.063 W 0402
R855	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R856	1430714	Chip resistor	33	5 % 0.063 W 0402
R857	1430796	Chip resistor	47 k	5 % 0.063 W 0402
R885	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R886	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R887	1430804	Chip resistor	100 k	5 % 0.063 W 0402
R888	1430778	Chip resistor	10 k	5 % 0.063 W 0402
R890	1430796	Chip resistor	47 k	5 % 0.063 W 0402
R891	1430691	Chip resistor	2.2	5 % 0.063 W 0402
R892	1430691	Chip resistor	2.2	5 % 0.063 W 0402
C300	2610003	Tantalum cap. 3.2x1.6x1.6	10 u	20 % 10 V
C301	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C302	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C401	2320481	Ceramic cap.	5R 1 u	10 % 0603
C402	2320481	Ceramic cap.	5R 1 u	10 % 0603
C403	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C404	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C405	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C406	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C407	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C408	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C409	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C410	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C411	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C413	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C414	2320604	Ceramic cap.	18 p	5 % 50 V 0402
C415	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C416	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C417	2320604	Ceramic cap.	18 p	5 % 50 V 0402

Parts			Technical Documentation	
C430	2320592	Ceramic cap.	2.2 n	5 % 50 V 0402
C431	2320588	Ceramic cap.	1.5 n	5 % 50 V 0402
C432	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C433	2320576	Ceramic cap.	470 p	5 % 50 V 0402
C434	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C435	2320576	Ceramic cap.	470 p	5 % 50 V 0402
C436	2320548	Ceramic cap.	33 p	5 % 50 V 0402
C437	2320576	Ceramic cap.	470 p	5 % 50 V 0402
C438	2320540	Ceramic cap.	15 p	5 % 50 V 0402
C439	2320572	Ceramic cap.	330 p	5 % 50 V 0402
C440	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C441	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C442	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C443	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C444	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C445	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C446	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C447	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C448	2320620	Ceramic cap.	10 n	5 % 16 V 0402
C470	2310003	Ceramic cap.	470 n	10 % 16 V 0805
C471	2610003	Tantalum cap.	10 u	20 % 10 V
3.2x1.6x1.6				
C472	2611695	Tantalum cap.	100 u	20 % 6.0x3.2x2.6
C473	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C474	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C475	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C476	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C477	2320584	Ceramic cap.	1.0 n	5 % 50 V 0402
C478	2320107	Ceramic cap.	10 n	5 % 50 V 0603
C479	2320618	Ceramic cap.	4.7 n	5 % 25 V 0402
C480	2310791	Ceramic cap.	33 n	20 % 50 V 0805
C481	2611683	Tantalum cap.	33 u	10 % 35 V
7.3x4.3x2.9				
C482	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C483	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C484	2320107	Ceramic cap.	10 n	5 % 50 V 0603
C485	2320801	Ceramic cap.	100 n	20 % Y5 V 0603
C486	2611697	Tantalum cap.	33 u	20 % 10 V
6.0x3.2x2.6				
C487	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C488	2320779	Ceramic cap.	100 n	10 % 16 V 0603
C489	2320572	Ceramic cap.	330 p	5 % 50 V 0402
C490	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C491	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C492	2320801	Ceramic cap.	100 n	20 % Y5 V 0603
C493	2320778	Ceramic cap.	10 n	10 % 16 V 0402
C494	2320588	Ceramic cap.	1.5 n	5 % 50 V 0402

Technical Documentation

Parts

C495	2320592	Ceramic cap.	2.2 n	5 % 50 V 0402
C496	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C800	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C801	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C802	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C803	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C804	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C807	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C808	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C809	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C815	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C819	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C820	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C821	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C822	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C850	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C851	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C852	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C853	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C854	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C855	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C880	2611691	Tantalum cap. 7.3x4.3x4.1	470 u	20 % 10 V
C881	2611691	Tantalum cap. 7.3x4.3x4.1	470 u	20 % 10 V
C882	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C883	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C884	2320781	Ceramic cap.	47 n	20 % 16 V 0603
C885	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C886	2320552	Ceramic cap.	47 p	5 % 50 V 0402
C887	2320552	Ceramic cap.	47 p	5 % 50 V 0402
C888	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C889	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C890	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C891	2320572	Ceramic cap.	330 p	5 % 50 V 0402
C892	2320805	Ceramic cap.	100 n	10 % 10 V 0402
C893	2320560	Ceramic cap.	100 p	5 % 50 V 0402
L455	3640473	Chip coil 4.8x4.8x2.3		20 % 245 mA
L456	3640517	Chip coil		20 % 0.79 A 1210
B430	4510003	Crystal	32.768 k	+−20PPM 8x3.8
V870	4113651	Trans. supr.	QUAD	6 V SOT23-5
V871	4110014	Sch. diode x 2	BAS70-07	70 V 15 mA SOT143
V872	4211202	DM MosFet		p-ch 50 V 0.13 A
SOT23				
V873	4200603	Transistor	BCX17	pnp 45 V 500 mA
SOT23				

Parts

Technical Documentation

V880	4210100	Transistor	BC848W	npn 30 V SOT323
D440	4340525	IC, flash mem.		CSP64
D441	4340525	IC, flash mem.		CSP64
D442	4340525	IC, flash mem.		CSP64
D443	4340571	Dram 1mx16 60ns 2v7	csp40	CSP40
N300	4860031	Tfdu4100 irda tx/rx>2.7v	115kbits	115KBITS
N400	4370447	IC, MCU		PBGA256
N450	4370477	Phaser21 pda power asic	tqfp64	TQFP64
N496	4340405	IC, comparat. 2-8v sot23	LMC7215IM5	SOT23-5
N880	4340303	IC, af amp 1.1w 2.0-5.5v	soLM4861	SO8S
S390	5309001	Reed relay 0.5a 08-15.5at	d2.5x1	d2.5x15
X451	9510424	Backup battery holder	dmd03475	
X800	5460029	SM, fpc conn 51pol p0.3	90deg l.	L.C
X830	5469097	SM, conn 2x25 f p0.5 str.	pcb/pc	PCB/PCB
	9854301	PCB BS1	143.0X49.3X0.8 M8	4/PA

UIF Module Parts List

0201097 BS2 UI MODULE EDMS Issue: 2.13

Item	Code	Description	Value/Type	
R700	1430122	Chip resistor	4.7 M	5 % 0.063 W 0603
R701	1430830	Chip resistor	1.0 M	5 % 0.063 W 0402
R702	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R704	1620031	Res network 0w06 2x1k0 j	0404	0404
R705	1620031	Res network 0w06 2x1k0 j	0404	0404
R706	1620031	Res network 0w06 2x1k0 j	0404	0404
R707	1620031	Res network 0w06 2x1k0 j	0404	0404
R708	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R730	1430122	Chip resistor	4.7 M	5 % 0.063 W 0603
R731	1430830	Chip resistor	1.0 M	5 % 0.063 W 0402
R732	1430754	Chip resistor	1.0 k	5 % 0.063 W 0402
R734	1820033	NTC resistor		0805
R735	1430145	Chip resistor	100 k	1 % 0.063 W 0402
C701	2312207	Ceramic cap.	10.F n	10 % 250 V 0805
C702	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C703	2320744	Ceramic cap.	1.0 n	10 % 50 V 0402
C704	2320779	Ceramic cap.	100 n	10 % 16 V 0603
C705	2320779	Ceramic cap.	100 n	10 % 16 V 0603
C706	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C707	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C708	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C709	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C710	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C711	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C712	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C713	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C714	2320560	Ceramic cap.	100 p	5 % 50 V 0402
C731	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C732	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C733	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C734	2320544	Ceramic cap.	22 p	5 % 50 V 0402
C735	2611705	Tantalum cap. 3.2x1.6x1.6	220 n	20 % 50 V
C736	2312207	Ceramic cap.	10.F n	10 % 250 V 0805
C737	2312401	Ceramic cap.	1.0 u	10 % 10 V 0805
C738	2320744	Ceramic cap.	1.0 n	10 % 50 V 0402
C739	2310003	Ceramic cap.	470 n	10 % 16 V 0805
C740	2604022	Tantalum cap. 3.2x1.6x1.6	0.1 u	20 % 35 V
C741	2604022	Tantalum cap. 3.2x1.6x1.6	0.1 u	20 % 35 V
C742	2604054	Tantalum cap.	0.47 u	20 % 35 V

Parts		Technical Documentation		
3.5x2.8x1.9				
C743	2604022	Tantalum cap.	0.1 u	20 % 35 V
3.2x1.6x1.6				
C744	2604022	Tantalum cap.	0.1 u	20 % 35 V
3.2x1.6x1.6				
C745	2320544	Ceramic cap.	22 p	5 % 50 V 0402
L700	3640493	Chip coil		10 % 72 mA SMD
L730	3640491	Chip coil		20 % 104 mA SMD
V700	4110078	Schdix2 bas70-05w	70v 70ma	SOT323
V701	4115841	Diode FAST	200 V TRR<60 ns	SC59
V702	4210052	Transistor	DTC114EE	npn RB V EM3
V703	4211477	MosFet	p-ch 16 V 16V1 A	SOT143
V730	4115841	Diode FAST	200 V TRR<60 ns	SC59
V731	4211477	MosFet	p-ch 16 V 16V1 A	SOT143
V732	4210052	Transistor	DTC114EE	npn RB V EM3
N700	4340489	Hv823 hv el lamp driver	400mw	SO8
N730	4340489	Hv823 hv el lamp driver	400mw	SO8
X700	5460029	SM, fpc conn	51pol p0.3 90deg l.	L.C
X730	5469083	SM, fpc conn	18pol p0.5 0.4a l.c	
X790	5429011	SM, coax conn	f 50r 100v 0.3a 3g	3GHZ
X791	9510427	Antenna contact	dmd03810	RAE-2
	9795052	Keydome sheet	dmd03766	rae-2
	9854300	PCB BS2	145.25X51.0X0.6	M4 4/PA

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