

PAMS Technical Documentation

NSM-4 Series Transceivers

Part lists DS7

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Parts list of DS7 (EDMS Issue 3.1) Layout 04 Code: 0201782	3
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Parts list of DS7 (EDMS Issue 3.1) Layout 04 Code: 0201782

ITEM CODE	LOCATION	VALUE	DESCRIPTION
B100	4510219	Top L 5	32.768kHz~ CRYSTAL 32.768KHZ+-30PPM 9PF
B301	5140157	Bottom B 7	~ ~ BUZZER 85DB 3000HZ 3.0V 8.5X8.5X3
C101	2320548	Top L 5	33p 50V Chipcap 5% NP0
C102	2320538	Top L 4	12p 50V Chipcap 5% NP0
C103	2312411	Top P 5	1u0 25V CHIPCAP X5R 1U0 M 25V 1206
C104	2320783	Top O 7	33n 10V CHIPCAP X7R 33N K 10V 0402
C105	2611719	Top N 6	10u_10V 10V CHIPTCAP 10U M 10V 2.0X1.35X1.35
C106	2320481	Top I 4	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C107	2320481	Top L 6	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C108	2312401	Top J 3	1u0 10V CHIPCAP X5R 1U0 10V 0805
C109	2320544	Top O 7	22p 50V Chipcap 5% NP0
C110	2320544	Top P 7	22p 50V Chipcap 5% NP0
C113	2320508	Top K 5	1p0 50V Chipcap +-0.25pF NP0
C114	2320546	Top O 5	27p 50V Chipcap 5% NP0
C116	2312401	Top L 6	1u0 10V CHIPCAP X5R 1U0 10V 0805
C119	2320481	Top O 4	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C120	2320778	Top L 5	10n 16V Chipcap X7R 10% 16V 0402
C121	2320778	Top M 6	10n 16V Chipcap X7R 10% 16V 0402
C127	2320805	Top O 3	100n 10V CHIPCAP X5R 100N K 10V 0402
C128	2312401	Top P 4	1u0 10V CHIPCAP X5R 1U0 10V 0805
C129	2312401	Top I 6	1u0 10V CHIPCAP X5R 1U0 10V 0805
C131	2611719	Top L 3	10u_10V 10V CHIPTCAP 10U M 10V 2.0X1.35X1.35
C132	2611741	Top L 4	4u7_10V 10V CHIPTCAP 4U7 M 10V 2.0X1.3X1.2
C133	2320481	Top I 4	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C140	2320481	Top L 6	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C142	2611719	Top P 7	10u_10V 10V CHIPTCAP 10U M 10V 2.0X1.35X1.35
C150	2320481	Top I 5	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C151	2320481	Top I 5	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C152	2320481	Top I 4	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C153	2320481	Top I 4	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C154	2320481	Top I 5	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C160	2320546	Top M 6	27p 50V Chipcap 5% NP0
C161	2320546	Top K 6	27p 50V Chipcap 5% NP0
C162	2320540	Top D 5	15p 50V Chipcap 5% NP0
C163	2320540	Top D 6	15p 50V Chipcap 5% NP0
C165	2611731	Top J 7	100u_16V 16V CHIPTCAP 100U M 16V 7.3X4.3X2.0
C201	2320783	Top O 4	33n 10V CHIPCAP X7R 33N K 10V 0402
C203	2320778	Top N 5	10n 16V Chipcap X7R 10% 16V 0402
C204	2320778	Top L 3	10n 16V Chipcap X7R 10% 16V 0402
C205	2610203	Top L 2	2u2_10V 10V CHIPTCAP 2U2 M 10V 2.0X1.3X1.2
C206	2320778	Top M 2	10n 16V Chipcap X7R 10% 16V 0402
C208	2320778	Top L 4	10n 16V Chipcap X7R 10% 16V 0402
C209	2320778	Top O 2	10n 16V Chipcap X7R 10% 16V 0402
C211	2320783	Top O 3	33n 10V CHIPCAP X7R 33N K 10V 0402
C212	2320779	Top O 1	100n 16V CHIPCAP X7R 100N K 16V 0603
C213	2320744	Top O 3	1n0 50V Chipcap X7R 10% 50V 0402
C217	2320778	Top N 2	10n 16V Chipcap X7R 10% 16V 0402
C218	2320546	Top L 3	27p 50V Chipcap 5% NP0
C220	2320778	Top L 1	10n 16V Chipcap X7R 10% 16V 0402
C247	2320778	Top M 7	10n 16V Chipcap X7R 10% 16V 0402
C248	2320481	Top K 7	1u0 6.3V CHIPCAP X5R 1U K 6V3 0603
C251	2320783	Top K 8	33n 10V CHIPCAP X7R 33N K 10V 0402

C253	2320783	Top	M 8	33n	10V	CHIPCAP X7R 33N K 10V 0402
C255	2320744	Top	N 7	1n0	50V	Chipcap X7R 10% 50V 0402
C257	2320783	Top	M 8	33n	10V	CHIPCAP X7R 33N K 10V 0402
C258	2320783	Top	M 8	33n	10V	CHIPCAP X7R 33N K 10V 0402
C259	2320783	Top	M 7	33n	10V	CHIPCAP X7R 33N K 10V 0402
C261	2320744	Top	N 8	1n0	50V	Chipcap X7R 10% 50V 0402
C262	2320783	Top	M 7	33n	10V	CHIPCAP X7R 33N K 10V 0402
C263	2320783	Top	M 7	33n	10V	CHIPCAP X7R 33N K 10V 0402
C268	2320481	Top	M 6	1u0	6.3V	CHIPCAP X5R 1U K 6V3 0603
C270	2610207	Top	O 7	10u_6.3V	6.3V	CHIPTCAP 10U M 6V3 2.0X1.3X1.2
C274	2320544	Top	M 7	22p	50V	Chipcap 5% NP0
C276	2320481	Top	N 7	1u0	6.3V	CHIPCAP X5R 1U K 6V3 0603
C278	2320544	Top	N 7	22p	50V	Chipcap 5% NP0
C285	2320598	Top	R 3	3n9	50V	Chipcap 5% X7R
C286	2320598	Top	R 3	3n9	50V	Chipcap 5% X7R
C287	2320744	Bottom	R 2	1n0	50V	Chipcap X7R 10% 50V 0402
C291	2320546	Top	K 7	27p	50V	Chipcap 5% NP0
C292	2320546	Top	K 7	27p	50V	Chipcap 5% NP0
C293	2320544	Top	N 7	22p	50V	Chipcap 5% NP0
C294	2320744	Top	N 8	1n0	50V	Chipcap X7R 10% 50V 0402
C295	2320744	Top	N 8	1n0	50V	Chipcap X7R 10% 50V 0402
C296	2610207	Top	O 7	10u_6.3V	6.3V	CHIPTCAP 10U M 6V3 2.0X1.3X1.2
C297	2610207	Top	O 8	10u_6.3V	6.3V	CHIPTCAP 10U M 6V3 2.0X1.3X1.2
C310	2312401	Bottom	C 8	1u0	10V	CHIPCAP X5R 1U0 10V 0805
C330	2320481	Bottom	B 3	1u0	6.3V	CHIPCAP X5R 1U K 6V3 0603
C331	2320779	Bottom	C 3	100n	16V	CHIPCAP X7R 100N K 16V 0603
C342	2320560	Bottom	B 3	100p	50V	Chipcap 5% NP0
C400	2320481	Top	Q 7	1u0	6.3V	CHIPCAP X5R 1U K 6V3 0603
C401	2320805	Top	R 7	100n	10V	CHIPCAP X5R 100N K 10V 0402
C405	2320544	Top	Q 7	22p	50V	Chipcap 5% NP0
C406	2320805	Top	P 8	100n	10V	CHIPCAP X5R 100N K 10V 0402
C510	2320135	Top	H 5	150n	10V	CHIPCAP X7R 150N K 10V 0603
C511	2320135	Top	H 6	150n	10V	CHIPCAP X7R 150N K 10V 0603
C512	2320135	Top	H 6	150n	10V	CHIPCAP X7R 150N K 10V 0603
C513	2320135	Top	G 6	150n	10V	CHIPCAP X7R 150N K 10V 0603
C520	2320485	Top	G 5	470p	50V	CHIPCAP NP0 470P J 50V 0603
C521	2320485	Top	H 5	470p	50V	CHIPCAP NP0 470P J 50V 0603
C522	2320485	Top	G 6	470p	50V	CHIPCAP NP0 470P J 50V 0603
C523	2320485	Top	G 6	470p	50V	CHIPCAP NP0 470P J 50V 0603
C530	2320562	Top	H 5	120p	50V	Chipcap 5% NP0
C531	2320562	Top	H 5	120p	50V	Chipcap 5% NP0
C532	2320781	Top	H 5	47n	16V	Chipcap X7R 47N M 16V 0603
C533	2320781	Top	H 4	47n	16V	Chipcap X7R 47N M 16V 0603
C534	2320783	Top	H 4	33n	10V	CHIPCAP X7R 33N K 10V 0402
C535	2320546	Top	H 4	27p	50V	Chipcap 5% NP0
C540	2320552	Top	H 5	47p	50V	Chipcap 5% NP0
C541	2320552	Top	H 4	47p	50V	Chipcap 5% NP0
C550	2320598	Top	G 3	3n9	50V	Chipcap 5% X7R
C557	2320554	Top	F 5	56p	50V	Chipcap 5% NP0
C560	2320548	Top	G 3	33p	50V	Chipcap 5% NP0
C561	2320620	Top	H 4	10n	16V	Chipcap X7R 5% 16V 0402
C562	2320546	Top	H 5	27p	50V	Chipcap 5% NP0
C564	2320783	Top	H 4	33n	10V	CHIPCAP X7R 33N K 10V 0402
C600	2320560	Top	F 5	100p	50V	Chipcap 5% NP0
C601	2320560	Top	F 5	100p	50V	Chipcap 5% NP0
C610	2320602	Top	C 8	4p7	50V	Chipcap +-0.25pF NP0
C611	2320584	Top	E 7	1n0	50V	Chipcap 5% X7R
C612	2320556	Top	E 7	68p	50V	Chipcap 5% NP0
C613	2320556	Top	C 7	68p	50V	Chipcap 5% NP0

C614	2320556	Top	C 6	68p	50V	Chipcap 5% NP0
C615	2320560	Top	C 7	100p	50V	Chipcap 5% NP0
C620	2320805	Top	E 7	100n	10V	CHIPCAP X5R 100N K 10V 0402
C621	2320805	Top	F 8	100n	10V	CHIPCAP X5R 100N K 10V 0402
C630	2320530	Top	F 5	5p6	50V	Chipcap +-0.25pF NP0
C631	2320530	Top	F 5	5p6	50V	Chipcap +-0.25pF NP0
C640	2320516	Top	E 8	1p5	50V	Chipcap +-0.25pF NP0
C642	2320584	Top	F 8	1n0	50V	Chipcap 5% X7R
C643	2320540	Top	D 7	15p	50V	Chipcap 5% NP0
C644	2320530	Top	D 7	5p6	50V	Chipcap +-0.25pF NP0
C645	2320540	Top	C 6	15p	50V	Chipcap 5% NP0
C700	2320540	Top	B 7	15p	50V	Chipcap 5% NP0
C702	2320602	Top	A 4	4p7	50V	Chipcap +-0.25pF NP0
C703	2320532	Top	D 4	6p8	50V	Chipcap +-0.25pF NP0
C704	2320584	Top	D 3	1n0	50V	Chipcap 5% X7R
C714	2320783	Top	E 4	33n	10V	CHIPCAP X7R 33N K 10V 0402
C720	2320556	Top	A 5	68p	50V	Chipcap 5% NP0
C730	2320546	Top	D 5	27p	50V	Chipcap 5% NP0
C731	2320756	Top	E 5	3n3	50V	Chipcap X7R 10% 50V 0402
C733	2320546	Top	B 5	27p	50V	Chipcap 5% NP0
C741	2320540	Top	E 3	15p	50V	Chipcap 5% NP0
C743	2320538	Top	B 5	12p	50V	Chipcap 5% NP0
C746	2320548	Top	F 4	33p	50V	Chipcap 5% NP0
C747	2320540	Top	E 4	15p	50V	Chipcap 5% NP0
C749	2320584	Top	F 2	1n0	50V	Chipcap 5% X7R
C754	2320620	Top	A 4	10n	16V	Chipcap X7R 5% 16V 0402
C755	2310793	Top	D 3	2u2	10V	CHIPCAP X5R 2U2 K 10V 0805
C757	2320514	Top	C 1	1p2	50V	Chipcap +-0.25pF NP0
C758	2320584	Top	D 2	1n0	50V	Chipcap 5% X7R
C759	2320546	Top	E 2	27p	50V	Chipcap 5% NP0
C760	2320526	Top	C 2	3p9	50V	Chipcap +-0.25pF NP0
C761	2320536	Top	B 5	10p	50V	Chipcap 5% NP0
C762	2320536	Top	E 5	10p	50V	Chipcap 5% NP0
C763	2320508	Top	C 5	1p0	50V	Chipcap +-0.25pF NP0
C776	2320540	Top	F 4	15p	50V	Chipcap 5% NP0
C782	2320524	Top	G 1	3p3	50V	Chipcap +-0.25pF NP0
C783	2312401	Top	G 2	1u0	10V	CHIPCAP X5R 1U0 10V 0805
C785	2320805	Top	F 2	100n	10V	CHIPCAP X5R 100N K 10V 0402
C789	2320518	Top	D 2	1p8	50V	Chipcap +-0.25pF NP0
C790	2320518	Top	D 2	1p8	50V	Chipcap +-0.25pF NP0
C792	2320560	Top	F 4	100p	50V	Chipcap 5% NP0
C793	2320540	Top	H 3	15p	50V	Chipcap 5% NP0
C799	2320526	Top	E 3	3p9	50V	Chipcap +-0.25pF NP0
C801	2320564	Top	J 2	150p	50V	Chipcap 5% NP0
C802	2312221	Top	J 2	4n7	25V	CHIPCAP NP0 4N7 J 25V 0805
C803	2320576	Top	J 3	470p	50V	Chipcap 5% X7R
C804	2320518	Top	H 2	1p8	50V	Chipcap +-0.25pF NP0
C805	2610203	Top	H 2	2u2_10V	10V	CHIPTCAP 2U2 M 10V 2.0X1.3X1.2
C829	2320560	Top	G 6	100p	50V	Chipcap 5% NP0
C830	2320560	Top	I 6	100p	50V	Chipcap 5% NP0
C831	2310793	Top	G 8	2u2	10V	CHIPCAP X5R 2U2 K 10V 0805
C832	2320620	Top	G 8	10n	16V	Chipcap X7R 5% 16V 0402
C833	2320584	Top	H 6	1n0	50V	Chipcap 5% X7R
C834	2320584	Top	G 7	1n0	50V	Chipcap 5% X7R
C835	2320540	Top	G 7	15p	50V	Chipcap 5% NP0
C836	2320544	Top	G 8	22p	50V	Chipcap 5% NP0
C837	2320526	Top	H 3	3p9	50V	Chipcap +-0.25pF NP0
C860	2320548	Top	G 2	33p	50V	Chipcap 5% NP0
C861	2320621	Top	F 3	0p5	50V	CHIPCAP NP0 0P5 C 50V 0402

C862	2320520	Top	C 1	2p2	50V	Chipcap +-0.25pF NP0
C863	2320536	Top	D 2	10p	50V	Chipcap 5% NP0
C864	2320524	Top	D 1	3p3	50V	Chipcap +-0.25pF NP0
D200*	4370803	Top	N 4	~	~	MAD2WD1 V16A F741541H C05 UBGA144
D210*	4341189	Top	Q 2	2MX16/256kX16		~COMBOMEMORY 32M FLASH+4M SRAM CSP
F101	5119019	Top	R 6	1.5A	~	SM FUSE F 1.5A 32V 0603
G100	4700131	Top	Q 4	3V3	~	CELL CAPACITOR 0.01MAH 3V3
G800	4350273	Top	I 2	3420-3840MHz	~	VCO 3420-3840MHz 2.7V 20MA 9X7
G830	4510261	Top	H 7	26MHz	~	VCTCXO 26MHz+-5PPM 2.7V GSM
L103	3203743	Top	E 3	42R/100MHz	~	FERR.BEAD 0R03 42R/100MHz 3A 0805
L104	3203743	Top	Q 6	42R/100MHz	~	FERR.BEAD 0R03 42R/100MHz 3A 0805
L271	3203709	Top	K 8	120R/100MHz	~	FERRITE BEAD 0.5R 120R/100MHz 0402
L272	3203709	Top	K 7	120R/100MHz	~	FERRITE BEAD 0.5R 120R/100MHz 0402
L283	3203741	Top	S 3	600R/100MHz	~	FERRITE BEAD 0R5 600R/100MHz 0603
L284	3203741	Top	S 3	600R/100MHz	~	FERRITE BEAD 0R5 600R/100MHz 0603
L287	3203709	Bottom	R 2	120R/100MHz	~	FERRITE BEAD 0.5R 120R/100MHz 0402
L503	3646051	Top	D 2	3n9H	~	CHIP COIL 3N9 +-0N3 Q28/800M 0402
L504	3646063	Top	F 3	22nH	~	CHIP COIL 22N J Q28/800M 0402
L505	3646051	Top	F 3	3n9H	~	CHIP COIL 3N9 +-0N3 Q28/800M 0402
L506	3646053	Top	C 2	4n7H	~	CHIP COIL 4N7 +-0N3 Q28/800M 0402
L510	3646059	Top	B 7	5n6H	~	CHIP COIL 5N6 +-0N3 Q28/800M 0402
L553	4551021	Top	B 5	897.5/1747.5MHz	~	DIR COUPLER 897.5/1747.5MHz 2.1X1.3
L600	3646069	Top	F 5	33nH	~	CHIP COIL 33N J Q23/800M 0402
L631	3646065	Top	F 5	12nH	~	CHIP COIL 12N J Q31/800M 0402
L751	3203743	Top	D 3	42R/100MHz	~	FERR.BEAD 0R03 42R/100MHz 3A 0805
L752	3645201	Top	D 3	56nH	~	CHIP COIL 56N J Q38/200MHz 0603
L800	3645073	Top	F 7	10uH	~	CHIP COIL 10U 0.015A 1.15OHM 0805
M300	9854573	Top	R 2	~	~	PWB LIFTING PWB FOR VIBRA
N100*	4370719	Top	J 4	~	~	CCONT2M WFD163MG64T/8 LFBGA8X8
N101	4370621	Top	O 6	~	~	CHAPS V2.0 U423V2G36T LBGA6X6
N220	4340413	Top	L 2	~	~") (VOLT,"	TK11230BMC VOLT REG 3.0V SOT23L
N250	4370793	Top	L 7	~	~	COBBA_GJP V4.1 V257JG64T/8 BGA64
N310	4370433	Bottom	C 2	~	~	UISWITCH ASIC TSSOP20
N400	4860079	Top	Q 8	~	~	IRDA QSDL-M127_021 60CM 2V7 COSMOS
N401	4340335	Top	O 8	~	2.8V	TK11228AM REG 2.8V+-80MV 180MA SSO6
N505	4370781	Top	G 4	~	~	HAGAR 5 LFBGA80
N600	4340719	Top	F 2	~	~") (VOLT,"	TK11247BMC VOLT REG 4.7V SOT23L
N702	4350203	Top	B 3	~	~	PW AMP 880-915/1710-1785MHz 3.5V
R100	1430826	Top	K 5	680k	~	Resistor 5% 63mW
R101	1430145	Top	O 4	100k	~	Chipres 0W06 100k F 200ppm 0402
R102	1430796	Top	K 5	47k	~	Resistor 5% 63mW
R103	1430803	Top	O 4	4k7	~	CHIPRES 0W06 4K7 F 200PPM 0402
R104	1430796	Top	O 4	47k	~	Resistor 5% 63mW
R109	1620017	Top	O 7	2x100R	~	RES NETWORK 0W06 2X100R J 0404
R110	1430826	Top	L 6	680k	~	Resistor 5% 63mW
R111	1430820	Top	L 5	470k	~	Resistor 5% 63mW
R118	1430778	Top	K 2	10k	~	Resistor 5% 63mW
R120	1620025	Top	L 6	2x100k	~	Chipres Array 0W06 J 0404
R122	1620019	Top	M 5	2x10k	~	RES NETWORK 0W06 2X10K J 0404
R124	1430726	Top	P 5	100R	~	Resistor 5% 63mW
R125	1430726	Top	P 5	100R	~	Resistor 5% 63mW
R128	1430718	Top	K 4	47R	~	Resistor 5% 63mW
R131	1419003	Top	P 6	0R22	~	CHIPRES 0W5 0R22 J 1210
R154	1430325	Top	L 5	2M2	~	CHIPRES 0W06 2M2 J 0603
R201	1430812	Top	N 5	220k	~	Resistor 5% 63mW
R202	1430145	Top	L 4	100k	~	Chipres 0W06 100k F 200ppm 0402
R203	1430803	Top	M 5	4k7	~	CHIPRES 0W06 4K7 F 200PPM 0402
R205	1430690	Top	L 5	0R	~	Chipres 0W06 jumper 0402
R206	1430690	Top	I 3	0R	~	Chipres 0W06 jumper 0402

R211	1430778	Top	O 2	10k	~	Resistor 5% 63mW
R212	1430690	Top	O 2	0R	~	Chipres 0W06 jumper 0402
R213	1430800	Top	N 1	68k	~	Resistor 5% 63mW
R214	1430796	Top	M 1	47k	~	Resistor 5% 63mW
R215	1430796	Top	N 5	47k	~	Resistor 5% 63mW
R216	1430796	Top	N 5	47k	~	Resistor 5% 63mW
R252	1430754	Top	N 7	1k0	~	Resistor 5% 63mW
R256	1430718	Top	N 8	47R	~	Resistor 5% 63mW
R257	1430718	Top	M 8	47R	~	Resistor 5% 63mW
R258	1430744	Top	N 6	470R	~	Resistor 5% 63mW
R260	1430726	Top	O 7	100R	~	Resistor 5% 63mW
R261	1430744	Top	M 7	470R	~	Resistor 5% 63mW
R265	1430796	Top	M 7	47k	~	Resistor 5% 63mW
R266	1430796	Top	M 7	47k	~	Resistor 5% 63mW
R267	1430762	Top	N 7	2k2	~	Resistor 5% 63mW
R268	1430744	Top	N 7	470R	~	Resistor 5% 63mW
R269	1620025	Top	J 8	2x100k	~	RES NETWORK 0W06 2X100K J 0404
R270	1430792	Top	R 7	33k	~	Resistor 5% 63mW
R271	1430145	Top	N 6	100k	~	Chipres 0W06 100k F 200ppm 0402
R272	1430145	Top	N 6	100k	~	Chipres 0W06 100k F 200ppm 0402
R273	1430792	Top	N 7	33k	~	Resistor 5% 63mW
R274	1430812	Top	N 7	220k	~	Resistor 5% 63mW
R275	1430762	Top	M 8	2k2	~	Resistor 5% 63mW
R276	1430762	Top	M 8	2k2	~	Resistor 5% 63mW
R277	1430145	Top	N 6	100k	~	Chipres 0W06 100k F 200ppm 0402
R278	1430762	Top	O 3	2k2	~	Resistor 5% 63mW
R281	1620017	Top	R 3	2x100R	~	RES NETWORK 0W06 2X100R J 0404
R283	1825021	Top	S 3	14V/46V	~	CHIP VARISTOR VWM14V CV46V 0402
R284	1825021	Top	S 3	14V/46V	~	CHIP VARISTOR VWM14V CV46V 0402
R285	1825021	Top	S 3	14V/46V	~	CHIP VARISTOR VWM14V CV46V 0402
R286	1825021	Top	S 3	14V/46V	~	CHIP VARISTOR VWM14V CV46V 0402
R287	1825021	Bottom	R 2	14V/46V	~	CHIP VARISTOR VWM14V CV46V 0402
R310	1430778	Bottom	D 3	10k	~	Resistor 5% 63mW
R311	1430778	Bottom	D 3	10k	~	Resistor 5% 63mW
R350	1430155	Bottom	D 2	15R	~	CHIPRES 0W1 15R J 0603
R351	1430155	Bottom	D 2	15R	~	CHIPRES 0W1 15R J 0603
R352	1430155	Bottom	D 2	15R	~	CHIPRES 0W1 15R J 0603
R353	1430155	Bottom	D 2	15R	~	CHIPRES 0W1 15R J 0603
R403	1430702	Top	P 8	12R	~	Resistor 5% 63mW
R404	1430702	Top	P 8	12R	~	Resistor 5% 63mW
R510	1620063	Top	G 5	4x100R	~	RES NETWORK 0W06 4X100K J 0804
R530	1620019	Top	H 5	2x10k	~	RES NETWORK 0W06 2X10K J 0404
R532	1430846	Top	F 4	2k7	~	Resistor 1% 63mW
R533	1430778	Top	H 4	10k	~	Resistor 5% 63mW
R541	1620033	Top	H 4	2x5k6	~	RES NETWORK 0W06 2X5K6 J 0404
R546	1620033	Top	H 5	2x5k6	~	RES NETWORK 0W06 2X5K6 J 0404
R563	1430187	Top	H 4	47k	~	Chipres 0W06 47k F 200ppm 0402
R564	1430746	Top	H 4	560R	~	Resistor 5% 63mW
R565	1430803	Top	H 4	4k7	~	CHIPRES 0W06 4K7 F 200PPM 0402
R610	1430726	Top	C 7	100R	~	Resistor 5% 63mW
R611	1430846	Top	C 7	2k7	~	Resistor 1% 63mW
R613	1430764	Top	C 7	3k3	~	Resistor 5% 63mW
R614	1620017	Top	E 8	2x100R	~	RES NETWORK 0W06 2X100R J 0404
R640	1430732	Top	D 8	180R	~	Resistor 5% 63mW
R643	1430764	Top	D 7	3k3	~	Resistor 5% 63mW
R645	1430846	Top	D 7	2k7	~	Resistor 1% 63mW
R670	1430730	Top	E 4	150R	~	Resistor 5% 63mW
R671	1430730	Top	F 4	150R	~	Resistor 5% 63mW
R700	1430726	Top	G 3	100R	~	Resistor 5% 63mW

R704	1430726	Top	F 3	100R	~	Resistor 5% 63mW
R710	1430702	Top	E 2	12R	~	Resistor 5% 63mW
R711	1430730	Top	F 2	150R	~	Resistor 5% 63mW
R712	1430702	Top	F 2	12R	~	Resistor 5% 63mW
R723	1620505	Top	C 1	436R/11R6/436R	~	RES NETWORK 0W04 2DB ATT 0404
R730	1430762	Top	E 5	2k2	~	Resistor 5% 63mW
R731	1430740	Top	C 5	330R	~	Resistor 5% 63mW
R732	1430746	Top	D 5	560R	~	Resistor 5% 63mW
R740	1430726	Top	F 3	100R	~	Resistor 5% 63mW
R741	1430726	Top	F 4	100R	~	Resistor 5% 63mW
R742	1430726	Top	E 3	100R	~	Resistor 5% 63mW
R744	1430726	Top	E 4	100R	~	Resistor 5% 63mW
R751	1430730	Top	D 2	150R	~	Resistor 5% 63mW
R754	1430718	Top	B 5	47R	~	Resistor 5% 63mW
R755	1430714	Top	D 2	33R	~	Resistor 5% 63mW
R756	1430754	Top	D 2	1k0	~	Resistor 5% 63mW
R757	1430754	Top	D 2	1k0	~	Resistor 5% 63mW
R758	1430710	Top	E 2	22R	~	Resistor 5% 63mW
R763	1430740	Top	E 5	330R	~	Resistor 5% 63mW
R764	1430758	Top	E 5	1k5	~	Resistor 5% 63mW
R790	1430121	Top	F 4	22k	~	Chipres 0W06 22k F 200ppm 0402
R791	1430865	Top	E 5	5k6	~	CHIPRES 0W06 5K6 F 0402
R792	1430848	Top	F 4	12k	~	Resistor 1% 63mW
R800	1430778	Top	H 3	10k	~	Resistor 5% 63mW
R801	1430841	Top	J 2	6k8	~	Chipres 0W06 6k8 F 0402
R802	1430770	Top	J 2	4k7	~	Resistor 5% 63mW
R805	1620505	Top	H 2	436R/11R6/436R	~	RES NETWORK 0W04 2DB ATT 0404
R807	1430728	Top	H 1	120R	~	Resistor 5% 63mW
R829	1430752	Top	G 6	820R	~	Resistor 5% 63mW
R830	1430762	Top	G 7	2k2	~	Resistor 5% 63mW
R831	1430718	Top	G 7	47R	~	Resistor 5% 63mW
R832	1430788	Top	G 8	22k	~	Resistor 5% 63mW
R833	1430762	Top	H 6	2k2	~	Resistor 5% 63mW
R834	1430812	Top	G 7	220k	~	Resistor 5% 63mW
S300	5219015	Bottom	S 7	~	~	SM SW PUSH BUTTON SPST 5V S.KEY
S330	5209001	Bottom	A 2	~	~	SM SW TACT SPST 12V 50MA SIDE KEY
T600	4550129	Top	F 6	~	~	BALUN TRANS 900MHZ+/-100MHZ 1206
T630	4550139	Top	F 6	~	~	TRANSF BALUN 1.8GHZ+/-100MHZ 1206
T700	4550129	Top	F 3	~	~	BALUN TRANS 900MHZ+/-100MHZ 1206
T740	4550139	Top	E 3	~	~	TRANSF BALUN 1.8GHZ+/-100MHZ 1206
T800	3640423	Top	H 2	~	~	BALUN TRANS 3.7GHZ+/-300MHZ 0805
V100	1825023	Top	R 6	9V/20V/0.1J	~	CHIP VARISTOR VWM9V VC20V 0805
V101	4210049	Top	M 6	~	~	TR PDMC114EE N 50V RB=RBE=10K EM3
V104	4113669	Top	P 5	~	~	ZDIX4 TVS/ESD RSA6.1EN 6V1 SOT353
V116	4110441	Top	L 3	~	~	SCH DI STPS0520Z 20V 0.5A SOD123
V201	4210049	Top	M 1	~	~	TR PDMC114EE N 50V RB=RBE=10K EM3
V202	4110089	Top	N 1	~	~	DIX2 BAV70W CC 70V .5A 4NS SOT323
V250	4210100	Top	M 6	~	~	Tr NPN 30V 100mA 100MHz SOT323
V251	4210100	Top	N 7	~	~	Tr NPN 30V 100mA 100MHz SOT323
V252	4210049	Top	N 6	~	~	TR PDMC114EE N 50V RB=RBE=10K EM3
V254	4110089	Top	P 4	~	~	DIX2 BAV70W CC 70V .5A 4NS SOT323
V320	486J069	Bottom	G 1	~	~	LED CL270WA-D WHITE >60MCD 0603
V321	486J069	Bottom	G 8	~	~	LED CL270WA-D WHITE >60MCD 0603
V322	486J069	Bottom	H 1	~	~	LED CL270WA-D WHITE >60MCD 0603
V323	486J069	Bottom	H 8	~	~	LED CL270WA-D WHITE >60MCD 0603
V331	4864571	Bottom	Q 6	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V332	4864571	Bottom	O 6	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V333	4864571	Bottom	L 6	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V334	4864571	Bottom	Q 4	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603

V335	4864571	Bottom	O 4	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V336	4864571	Bottom	L 4	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V337	4864571	Bottom	N 6	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V338	4864571	Bottom	N 4	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V339	4864571	Bottom	P 4	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V340	4864571	Bottom	P 6	~	~	LED CL-191WB-D-T WHITE 0' 115MCD 0603
V350	4110089	Top	L 2	~	~	DIX2 BAV70W CC 70V .5A 4NS SOT323
V360	4110089	Top	K 2	~	~	DIX2 BAV70W CC 70V .5A 4NS SOT323
V730	4115881	Top	C 5	~	~	SCHDIX2 NSR15DW1 <2PF SOT343/363
V800	4210100	Top	F 6	~	~	Tr NPN 30V 100mA 100MHz SOT323
V801	4210183	Top	D 1	~	~	TR BFP193W N 8GHZ F1.3-2.1 SOT343
V903	4210015	Top	D 7	~	~	TR NPN 15V 12MA 23GHZ SOT343
V904	4210074	Top	C 7	~	~	TR N 4.5V 35mA 20GHz SOT343
V905	4210100	Top	F 7	~	~	Tr NPN 30V 100mA 100MHz SOT323
V907	4210100	Top	E 7	~	~	Tr NPN 30V 100mA 100MHz SOT323
X280	5409099	Bottom	S 2	~	~	SM SLIDE CONN 2POL SPR P2 12V 0.1A
Z300	4120031	Bottom	R 8	~	~	EMI/ESD FILT EMIF10-1K010F1 BGA24
Z600	4511093	Top	F 6	925-960/1805-1880MHz		DUAL SAW FILT 925-960/1805-1880MHZ
Z620	4511093	Top	C 6	925-960/1805-1880MHz		DUAL SAW FILT 925-960/1805-1880MHZ
Z670	4550201	Top	B 6	880-960/1710-1880MHz		DIPL+2*SW 880-960/1710-1880MHZ 7X5
Z671	4550067	Top	D 3	880-960/1710-1880MHz		DIPL 880-960/1710-1880MHZ 3.2X2.5
Z700	4511095	Top	E 2	897.5MHz ~		SAW FILT 897.5+-17.5MHZ/3.5DB 3X3

* Note: Asterisk (*) marked components cannot be changed!

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