

Uppgjord (även faktaansvarig om annan) - <i>Prepared (also subject responsible if other)</i>		Nr - No.		
Dokansv/Godkänd - <i>Doc respons/Approved</i>	Kontr - <i>Checked</i>	Datum - <i>Date</i> 1999-09-06	Rev Draft	File

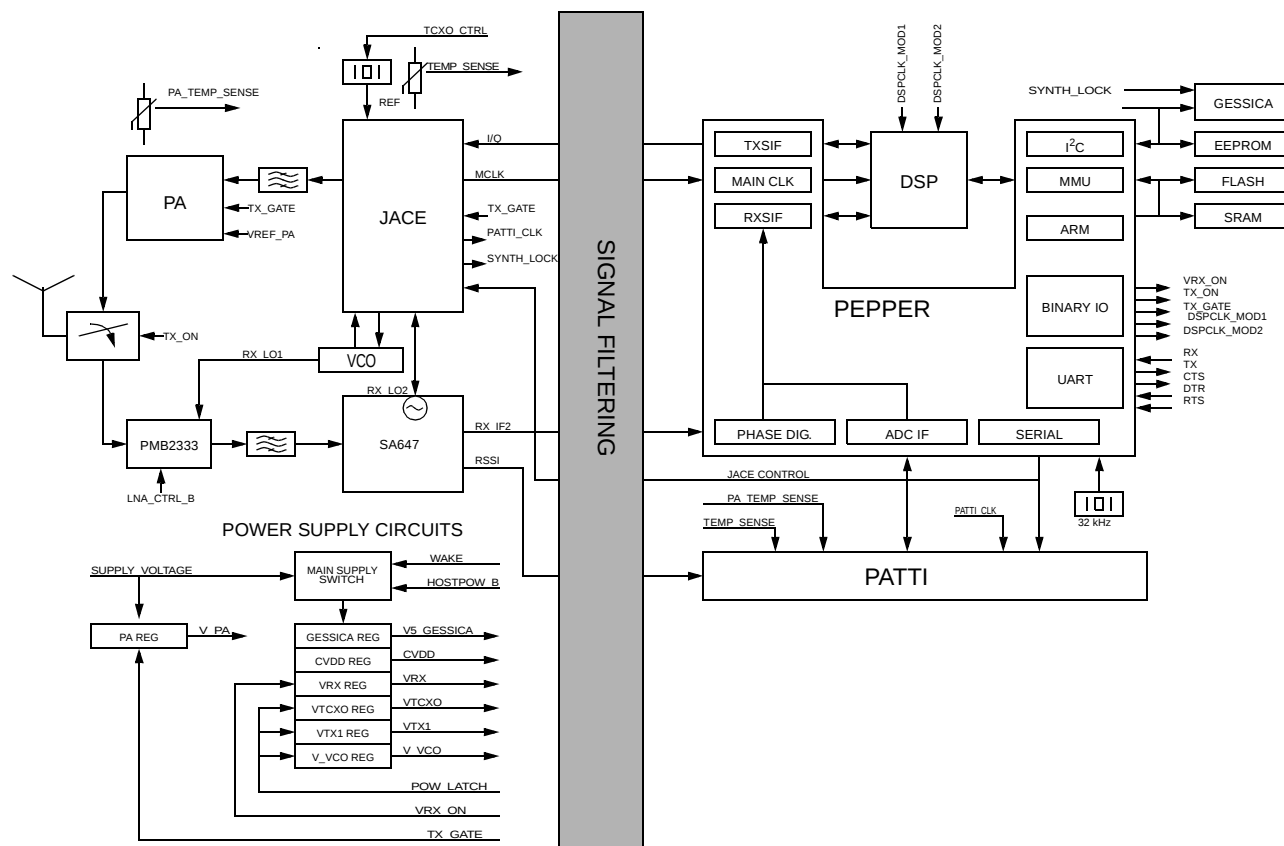
2.2 TUNE-UP/CALIBRATION AND CONFIGURATION

The radio functionality of M3090 is completely encapsulated by the respective application. All calibration is done during production.

Configuration happens either during production or it is performed by service personal, using special utilities. There does not exist a set-up procedure for end users for the radio.

During lifetime the modem uses the highly accurate base station frequency to compensate for aging effects of frequency determining components.

2.3 BLOCK SCHEMATICS & MAIN ACTIVE CIRCUITS



2.3.1 PEPPER

PEPPER features a built-in processor core. The circuit handles internal timing and control and communication between modem and host system. Further it contains sample interfaces for RX and TX samples to and from the DSP.

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2.3.2 DSP

The DSP processes I & Q in- and output signals and performs channel coding and decoding.

2.3.3 PATTI

PATTI is a mixed-signal circuit used mainly as an ADC/DAC.

2.3.4 GESSICA

This circuit handles synthesizer and supply voltage signal supervision. It also contains regulators for -4V, VAUD and VDIG.

2.3.5 flash PROM

Size: 2Mx8

This circuit stores the firmware and configuration data which is not to be changed by the end user.

2.3.6 SRAM

Size: 256Kx8

The CPU's external volatile memory.

2.3.7 EEPROM

Size: 16Kx8

Non-volatile memory for configuration data.

Date: 1999-09-08 16:45:18

PSD1/2 Product: ROA 117 9109/1, D, P1D FREE

Pos	Prod name/Des	Qty
1	MÖNSTERKORT/MOBIDEM M3090	1
BOX1	MEKANISK KOMPONENT/SHIELD CAN	1
BOX2	MEKANISK KOMPONENT/SHIELD CAN	1
BOX3	MEKANISK KOMPONENT/SHIELD CAN, BASEBAND	1
BOX4	MEKANISK KOMPONENT/SHIELD CAN, BASEBAND	1
C101	KONDENSATOR/47PF 0402 50V -5%+5%	1
C102	KONDENSATOR/1PF +/-0.25PF 0402 50V	1
C103	KONDENSATOR/1.2PF +/-0.25PF 0402 50V	1
C104	KONDENSATOR/27PF 0402 50V -5%+5%	1
C105	KONDENSATOR/10NF 0402 16V -10%	1
C106	KONDENSATOR/27PF 0402 50V -5%+5%	1
C107	KONDENSATOR/27PF 0402 50V -5%+5%	1
C108	KONDENSATOR/1PF +/-0.25PF 0402 50V	1
C109	KONDENSATOR/27PF 0402 50V -5%+5%	1
C111	KONDENSATOR/4.7PF +/-0.25PF 0402 50V	1
C112	KONDENSATOR/1PF +/-0.25PF 0402 50V	1
C113	KONDENSATOR/3.3PF +/-0.25PF 0402 50V	1
C114	KONDENSATOR/2.2PF +/-0.25PF 0402 50V	1
C115	KONDENSATOR/27PF 0402 50V -5%+5%	1
C116	KONDENSATOR/27PF 0402 50V -5%+5%	1
C117	KONDENSATOR/4.7PF +/-0.25PF 0402 50V	1
C118	KONDENSATOR/27PF 0402 50V -5%+5%	1
C119	KONDENSATOR/12PF 0402 50V -5%+5%	1
C120	KONDENSATOR/2.2PF +/-0.25PF 0402 50V	1
C121	KONDENSATOR/27PF 0402 50V -5%+5%	1
C201	KONDENSATOR/10PF 0402 50V -5%+5%	1
C202	KONDENSATOR/100PF 0402 50V -5%+5%	1
C203	KONDENSATOR/39PF 0402 50V -5%+5%	1
C204	KONDENSATOR/10NF 0402 16V -10%	1
C205	KONDENSATOR/8.2NF 0402 16V -10%	1
C206	KONDENSATOR/6.8PF +/-0.5PF 0402 50V	1
C207	KONDENSATOR/6.8PF +/-0.5PF 0402 50V	1
C208	KONDENSATOR/10NF 0402 16V -10%	1
C209	KONDENSATOR/1NF 0402 50V -10%+10	1
C210	KONDENSATOR/10NF 0402 16V -10%	1
C211	KONDENSATOR/10NF 0402 16V -10%	1
C212	KONDENSATOR/10NF 0402 16V -10%	1
C213	KONDENSATOR/10NF 0402 16V -10%	1
C214	KONDENSATOR/10NF 0402 16V -10%	1
C215	KONDENSATOR/10NF 0402 16V -10%	1
C216	KONDENSATOR/10NF 0402 16V -10%	1
C217	KONDENSATOR/10NF 0402 16V -10%	1
C218	KONDENSATOR/15UF A 10V -10%+10%	1
C301	KONDENSATOR/33PF 0402 50V -5%+5%	1
C302	KONDENSATOR/1NF 0402 50V -10%+10	1
C303	KONDENSATOR/10NF 0402 16V -10%	1
C304	KONDENSATOR/10NF 0402 16V -10%	1
C305	KONDENSATOR/10NF 0402 16V -10%	1
C306	KONDENSATOR/27PF 0402 50V -5%+5%	1
C307	KONDENSATOR/10NF 0402 16V -10%	1
C308	KONDENSATOR/27PF 0402 50V -5%+5%	1
C309	KONDENSATOR/10NF 0402 16V -10%	1
C310	KONDENSATOR/27PF 0402 50V -5%+5%	1

C311	KONDENSATOR/10NF 0402 16V -10%	1
C312	KONDENSATOR/27PF 0402 50V -5%+5%	1
C313	KONDENSATOR/10NF 0402 16V -10%	1
C314	KONDENSATOR/27PF 0402 50V -5%+5%	1
C318	KONDENSATOR/100PF 0402 50V -5%+5	1
C325	KONDENSATOR/10PF 0402 50V -5%+5%	1
C326	KONDENSATOR/18PF 0402 50V -5%+5%	1
C327	KONDENSATOR/10PF 0402 50V -5%+5%	1
C328	KONDENSATOR/27PF 0402 50V -5%+5%	1
C329	KONDENSATOR/5.6PF +/-0.5PF 0402 50V	1
C330	KONDENSATOR/27PF 0402 50V -5%+5%	1
C331	KONDENSATOR/5.6PF +/-0.5PF 0402 50V	1
C332	KONDENSATOR/1NF 0603 50V -10%+10	1
C333	KONDENSATOR/1NF 0603 50V -10%+10	1
C334	KONDENSATOR/4.7NF 0402 25V -10%	1
C335	KONDENSATOR/27PF 0402 50V -5%+5%	1
C336	KONDENSATOR/27NF 0603 16V -10%	1
C337	KONDENSATOR/33PF 0402 50V -5%+5%	1
C338	KONDENSATOR/10PF 0402 50V -5%+5%	1
C339	KONDENSATOR/27PF 0402 50V -5%+5%	1
C340	KONDENSATOR/470PF 0402 50V -10%	1
C341	KONDENSATOR/27PF 0402 50V -5%+5%	1
C342	KONDENSATOR/27PF 0402 50V -5%+5%	1
C343	KONDENSATOR/2.2NF 0402 50V -10%	1
C344	KONDENSATOR/100PF 0402 50V -5%+5	1
C345	KONDENSATOR/3.3NF 0402 50V -10%	1
C346	KONDENSATOR/8.2NF 0402 16V -10%	1
C347	KONDENSATOR/1NF 0402 50V -10%+10	1
C348	KONDENSATOR/100 NF 0603 16V +/-10%	1
C357	KONDENSATOR/15UF A 10V -10%+10%	1
C359	KONDENSATOR/39NF 16V	1
C361	KONDENSATOR/47PF 0402 50V -5%+5%	1
C363	KONDENSATOR/390PF 0402 50V -10%	1
C401	KONDENSATOR/10NF 0402 16V -10%	1
C402	KONDENSATOR/27PF 0402 50V -5%+5%	1
C403	KONDENSATOR/4.7UF B 16V -10%+10%	1
C404	KONDENSATOR/10NF 0402 16V -10%	1
C405	KONDENSATOR/27PF 0402 50V -5%+5%	1
C406	KONDENSATOR/1NF 0402 50V -10%+10	1
C407	KONDENSATOR/33PF 0402 50V -5%+5%	1
C408	KONDENSATOR/10NF 0402 16V -10%	1
C409	KONDENSATOR/120PF 0402 50V -5%+5	1
C410	KONDENSATOR/33PF 0402 50V -5%+5%	1
C411	KONDENSATOR/33PF 0402 50V -5%+5%	1
C412	KONDENSATOR/33PF 0402 50V -5%+5%	1
C413	KONDENSATOR/3.9PF +/-0.1PF 0603	1
C414	KONDENSATOR/15PF 0402 50V -5%+5%	1
C415	KONDENSATOR/15PF 0402 50V -5%+5%	1
C416	KONDENSATOR/6.8PF +/-0.5PF 0402 50V	1
C418	KONDENSATOR/33PF 0402 50V -5%+5%	1
C419	KONDENSATOR/1NF 0402 50V -10%+10	1
C420	KONDENSATOR/33PF 0402 50V -5%+5%	1
C421	KONDENSATOR/1NF 0402 50V -10%+10	1
C422	KONDENSATOR/1NF 0402 50V -10%+10	1
C501	KONDENSATOR/100 NF 0603 16V +/-10%	1
C502	KONDENSATOR/100 NF 0603 16V +/-10%	1

C506	KONDENSATOR/100 NF 0603 16V +/-10%	1
C507	KONDENSATOR/100 NF 0603 16V +/-10%	1
C508	KONDENSATOR/100 NF 0603 16V +/-10%	1
C509	KONDENSATOR/10UF 10V B -20%/+20%	1
C510	KONDENSATOR/10UF 10V B -20%/+20%	1
C512	KONDENSATOR/10UF 10V B -20%/+20%	1
C513	KONDENSATOR/10UF 10V B -20%/+20%	1
C514	KONDENSATOR/10UF 10V B -20%/+20%	1
C515	KONDENSATOR/6.8PF +/-0.5PF 0402 50V	1
C516	KONDENSATOR/10UF 10V B -20%/+20%	1
C517	KONDENSATOR/47UF C 16V -20%+20%	1
C518	KONDENSATOR/47UF C 16V -20%+20%	1
C519	KONDENSATOR/47UF C 16V -20%+20%	1
C521	KONDENSATOR/100 NF 0603 16V +/-10%	1
C522	KONDENSATOR/22UF B 10V -20%+20%	1
C523	KONDENSATOR/22UF B 10V -20%+20%	1
C524	KONDENSATOR/22UF B 10V -20%+20%	1
C528	KONDENSATOR/0.68UF A 20V -10%+10	1
C529	KONDENSATOR/27PF 0402 50V -5%+5%	1
C530	KONDENSATOR/10PF 0402 50V -5%+5%	1
C531	KONDENSATOR/1NF 0402 50V -10%+10	1
C532	KONDENSATOR/1NF 0402 50V -10%+10	1
C533	KONDENSATOR/10PF 0402 50V -5%+5%	1
C534	KONDENSATOR/TANT. SMD 1.5 UF, 16 V, CASE A	1
C602	KONDENSATOR/10NF 0603 50V -10%	1
C604	KONDENSATOR/100PF 0402 50V -5%+5	1
C605	KONDENSATOR/27PF 0402 50V -5%+5%	1
C606	KONDENSATOR/27PF 0402 50V -5%+5%	1
C607	KONDENSATOR/100PF 0402 50V -5%+5	1
C608	KONDENSATOR/100PF 0402 50V -5%+5	1
C611	KONDENSATOR/100PF 0402 50V -5%+5	1
C612	KONDENSATOR/100PF 0402 50V -5%+5	1
C613	KONDENSATOR/100PF 0402 50V -5%+5	1
C614	KONDENSATOR/100PF 0402 50V -5%+5	1
C615	KONDENSATOR/15UF A 10V -10%+10%	1
C616	KONDENSATOR/100PF 0402 50V -5%+5	1
C617	KONDENSATOR/10NF 0603 50V -10%	1
C618	KONDENSATOR/27PF 0402 50V -5%+5%	1
C619	KONDENSATOR/10NF 0603 50V -10%	1
C620	KONDENSATOR/27PF 0402 50V -5%+5%	1
C621	KONDENSATOR/10NF 0603 50V -10%	1
C622	KONDENSATOR/27PF 0402 50V -5%+5%	1
C623	KONDENSATOR/10NF 0603 50V -10%	1
C624	KONDENSATOR/27PF 0402 50V -5%+5%	1
C625	KONDENSATOR/27PF 0402 50V -5%+5%	1
C626	KONDENSATOR/27PF 0402 50V -5%+5%	1
C627	KONDENSATOR/100PF 0402 50V -5%+5	1
C628	KONDENSATOR/100PF 0402 50V -5%+5	1
C629	KONDENSATOR/100PF 0402 50V -5%+5	1
C701	KONDENSATOR/15UF A 10V -10%+10%	1
C702	KONDENSATOR/10NF 0402 16V -10%	1
C703	KONDENSATOR/27PF 0402 50V -5%+5%	1
C704	KONDENSATOR/47PF 0402 50V -5%+5%	1
C705	KONDENSATOR/1NF 0603 50V -10%+10	1
C706	KONDENSATOR/47PF 0402 50V -5%+5%	1
C707	KONDENSATOR/2.7PF +/-0.25PF 0402 50V	1

C708	KONDENSATOR/2.2PF +/-0.25PF 0402 50V	1
C709	KONDENSATOR/15UF A 10V -10%+10%	1
C710	KONDENSATOR/470PF 0402 50V -10%	1
C711	KONDENSATOR/10NF 0402 16V -10%	1
C712	KONDENSATOR/470PF 0402 50V -10%	1
C713	KONDENSATOR/39PF 0402 50V -5%+5%	1
C714	KONDENSATOR/470PF 0402 50V -10%	1
C715	KONDENSATOR/47PF 0402 50V -5%+5%	1
C716	KONDENSATOR/470PF 0402 50V -10%	1
C717	KONDENSATOR/47PF 0402 50V -5%+5%	1
C718	KONDENSATOR/47PF 0402 50V -5%+5%	1
C719	KONDENSATOR/47PF 0402 50V -5%+5%	1
C801	KONDENSATOR/10NF 0603 50V -10%	1
C802	KONDENSATOR/10NF 0603 50V -10%	1
C803	KONDENSATOR/10NF 0603 50V -10%	1
C804	KONDENSATOR/10NF 0603 50V -10%	1
C805	KONDENSATOR/10NF 0603 50V -10%	1
C806	KONDENSATOR/10NF 0603 50V -10%	1
C807	KONDENSATOR/10NF 0603 50V -10%	1
C808	KONDENSATOR/10NF 0603 50V -10%	1
C809	KONDENSATOR/10NF 0603 50V -10%	1
C810	KONDENSATOR/10NF 0603 50V -10%	1
C811	KONDENSATOR/10PF 0402 50V -5%+5%	1
C812	KONDENSATOR/10PF 0402 50V -5%+5%	1
C813	KONDENSATOR/10NF 0603 50V -10%	1
C814	KONDENSATOR/100PF 0402 50V -5%+5	1
C901	KONDENSATOR/10NF 0603 50V -10%	1
C902	KONDENSATOR/10NF 0603 50V -10%	1
C903	KONDENSATOR/10NF 0603 50V -10%	1
C904	KONDENSATOR/10NF 0603 50V -10%	1
C905	KONDENSATOR/10NF 0603 50V -10%	1
C906	KONDENSATOR/10NF 0603 50V -10%	1
C907	KONDENSATOR/10NF 0603 50V -10%	1
C908	KONDENSATOR/10NF 0603 50V -10%	1
C909	KONDENSATOR/10NF 0603 50V -10%	1
C910	KONDENSATOR/10NF 0603 50V -10%	1
C911	KONDENSATOR/10NF 0603 50V -10%	1
C912	KONDENSATOR/10NF 0603 50V -10%	1
C913	KONDENSATOR/10NF 0603 50V -10%	1
C914	KONDENSATOR/100PF 0402 50V -5%+5	1
C1001	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1002	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1003	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1004	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1005	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1006	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1007	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1008	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1009	KONDENSATOR/39NF 0603 16V -10%	1
C1010	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1011	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1012	KONDENSATOR/10UF 10V B -20%/+20%	1
C1013	KONDENSATOR/15UF A 10V -10%+10%	1
C1014	KONDENSATOR/15UF A 10V -10%+10%	1
C1015	KONDENSATOR/10NF 0603 50V -10%	1
C1016	KONDENSATOR/100 NF 0603 16V +/-10%	1

C1017	KONDENSATOR/100 NF 0603 16V +/-10%	1
C1018	KONDENSATOR/10UF 10V B -20%/+20%	1
C1101	KONDENSATOR/10NF 0603 50V -10%	1
C1102	KONDENSATOR/10NF 0603 50V -10%	1
C1103	KONDENSATOR/10NF 0603 50V -10%	1
C1201	KONDENSATOR/10NF 0603 50V -10%	1
C1202	KONDENSATOR/10NF 0603 50V -10%	1
C1208	KONDENSATOR/100PF 0402 50V -5%+5	1
C1209	KONDENSATOR/100PF 0402 50V -5%+5	1
C1210	KONDENSATOR/100PF 0402 50V -5%+5	1
D201	DIOD/BB545,VARIABLE CAP. SOD-323	1
D302	DIOD/DUAL VARIABLE CAPACITANCE	1
D501	DIOD/BAV99W.HIGH-SPEED,SOT323	1
D502	DIOD/SCHOTTKY 3A 40V SMC	1
D701	DIOD/BB545,VARIABLE CAP. SOD-323	1
G701	OSCILLATOR/RXVCO/1018MHZ/GSM/	1
L101	INDUKTOR/8.2NH +/-0.5NH 0603	1
L102	INDUKTOR/6.8NH +/-0.5NH 0603	1
L103	INDUKTOR/5.6NH +/-0.5NH 0603	1
L104	DROSSEL/180NH 2% 400MA SMD	1
L105	DROSSEL/180NH 2% 400MA SMD	1
L108	DROSSEL/220NH 2% 400MA SMD	1
L203	DROSSEL/120NH 400MA SMD	1
L302	INDUKTOR/1,5UH +10/-10% 0603	1
L303	INDUKTOR/1,5UH +10/-10% 0603	1
L304	INDUKTOR/5.6NH +/-0.5NH 0603	1
L305	TRANSFORMATOR/68NH 5% 0.6A 0603	1
L306	INDUKTOR/18.0NH 5% 0603	1
L307	INDUKTOR/18.0NH 5% 0603	1
L401	FILTER/30 OHM 0603	1
L402	FILTER/30 OHM 0603	1
L403	DROSSEL/10NH 1A 1008	1
L404	DROSSEL/10NH 1A 1008	1
L501	INDUKTOR/FILTER-	1
L701	INDUKTOR/18.0NH 5% 0603	1
L702	INDUKTOR/10.0NH 5% 0603	1
L703	INDUKTOR/1,5UH +10/-10% 0603	1
L1001	DROSSEL/600MA SMD 11OHM WITH 100MHZ	1
N101	MIKROKRETS/MIXER/AMPL.,PMB2333	1
N102	FILTER/938MHZ	1
N103	EXPERIMENTPRODUKT/X-TAL FILTER	1
N201	MIKROKRETS/CD8437,F=110MHZ,IF=600KHZ	1
N202	FILTER/450KHZ	1
N203	FILTER/450KHZ	1
N301	MIKROKRETS/TI,JACE,LQFP_48,TRF9541PFB	1
N402	FILTER/CF=902,5	1
N404	MIKROKRETS/IC PA GSM PLASTIC	1
N405	MIKROKRETS/TEMP SENSOR, SOT-23, LM50C	1
N406	MIKROKRETS/5 MHZ BW SINGLE OP-AMP.	1
N502	MIKROKRETS/LOW DROP 3.8V REG	1
N503	MIKROKRETS/3.8V ULTRA LOW-DROPOUT REG	1
N505	MIKROKRETS/3.8V ULTRA LOW-DROPOUT REG	1
N507	MIKROKRETS/VREG, 5.0V, LDO, 8-SOIC	1
N508	MIKROKRETS/50MA LDO ADJ VOLT REG	1
N509	MIKROKRETS/3.8V ULTRA LOW-DROPOUT REG	1
N510	MIKROKRETS/1626 STEP DOWN CONTR. 5-3.3V	1

N511	TRANSISTOR/MINISOT-23 RN1308	1
N701	MIKROKRETS/GAAS SWITCH,(IP3 55 DBM)900MHZ	1
N801	PRODUKTANPASS. KRETS/ASIC, PEPPER, BGA	1
N802	MIKROKRETS/7HC1G125, 3-ST BUFFER	1
N803	MIKROKRETS/74AHC1G32 2-INP OR GATE	1
N901	MIKROKRETS/DSP 320VC549 100MIPS ESD=2KV	1
N1001	PRODUKTANPASS. KRETS/ASIC PATTI TI	1
N1002	PRODUKTANPASS. KRETS/ASIC GESSICA2,TQFP48	1
N1101	MIKROKRETS/FLASH, 2M X 8, 90NS, BGA	1
N1102	MIKROKRETS/SRAM 256K8 100NS 3.3V I	1
N1103	MIKROKRETS/EEPROM,128K SERIAL,2.7V,TSSOP	1
N1104	MIKROKRETS/74AHC1G32 2-INP OR GATE	1
N1201	MIKROKRETS/7HC1G125, 3-ST BUFFER	1
N1202	MIKROKRETS/7HC1G125, 3-ST BUFFER	1
P1	ANSLUTNINGSDON/30 POL.	1
R103	MOTSTÅND/150 OHM 5% 0402 0.06W	1
R104	MOTSTÅND/10 OHM 5% 0402 0.06W	1
R105	MOTSTÅND/68 OHM 5% 0402 0.06W	1
R108	MOTSTÅND/12 KOHM 1% 0402 0.06W	1
R109	MOTSTÅND/1.2 KOHM 1% 0402 0.06W	1
R110	MOTSTÅND/150 OHM 5% 0402 0.06W	1
R201	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R202	MOTSTÅND/15 KOHM 5% 0402 0.06W	1
R210	MOTSTÅND/10 OHM 5% 0402 0.06W	1
R213	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R214	MOTSTÅND/4.7 KOHM 5% 0402 0.06	1
R217	MOTSTÅND/10 OHM 5% 0402 0.06W	1
R218	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R219	MOTSTÅND/10 OHM 5% 0402 0.06W	1
R220	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R302	MOTSTÅND/2.2 KOHM 5% 0402 0.06	1
R303	MOTSTÅND/10 OHM 5% 0402 0.06W	1
R306	MOTSTÅND/18 KOHM 1% 0402 0.06W	1
R307	MOTSTÅND/47 KOHM 1% 0402 0.06W	1
R308	MOTSTÅND/100 KOHM 1% 0402 0.06W	1
R309	MOTSTÅND/18 KOHM 1% 0402 0.06W	1
R316	MOTSTÅND/2.2 KOHM 1% 0402 0.06W	1
R317	MOTSTÅND/4.7 KOHM 1% 0402 0.06W	1
R318	MOTSTÅND/39 KOHM 1% 0402 0.06W	1
R319	MOTSTÅND/39 KOHM 1% 0402 0.06W	1
R320	MOTSTÅND/470 OHM 1% 0402 0.06W	1
R321	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R322	MOTSTÅND/1 KOHM 5% 0402 0.06W	1
R323	MOTSTÅND/1 KOHM 5% 0402 0.06W	1
R324	MOTSTÅND/5.6 KOHM 1% 0402 0.06W	1
R325	MOTSTÅND/10 KOHM 1% 0402 0.06W	1
R326	MOTSTÅND/3.9 KOHM 1% 0402 0.06W	1
R327	MOTSTÅND/1.5 KOHM 1% 0402 0.06W	1
R328	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R329	MOTSTÅND/39 KOHM 1% 0402 0.06W	1
R330	MOTSTÅND/240 KOHM 5% 0402 0.06	1
R331	MOTSTÅND/47 OHM 5% 0402 0.06W	1
R405	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R406	MOTSTÅND/0.0 OHM0402	1
R407	MOTSTÅND/180 OHM 5% 0402 0.06W	1
R506	MOTSTÅND/0.0 OHM0402	1

R507	MOTSTÅND/0.0 OHM0402	1
R509	MOTSTÅND/0.0 OHM0402	1
R510	MOTSTÅND/0.0 OHM0402	1
R512	MOTSTÅND/0.0 OHM0402	1
R513	MOTSTÅND/240 KOHM 5% 0402 0.06	1
R515	MOTSTÅND/47 KOHM 1% 0402 0.06W	1
R516	MOTSTÅND/51 KOHM 1% 0402 0.06W	1
R517	MOTSTÅND/0.0 OHM0402	1
R518	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R519	MOTSTÅND/0.039 OHM +/-1% 1W 2512	1
R522	MOTSTÅND/47 OHM 5% 0402 0.06W	1
R523	MOTSTÅND/51 KOHM 1% 0402 0.06W	1
R525	MOTSTÅND/100 KOHM 1% 0402 0.06W	1
R603	MOTSTÅND/0.0 OHM0402	1
R604	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R605	MOTSTÅND/2.2 KOHM 1% 0402 0.06W	1
R606	MOTSTÅND/2.2 KOHM 1% 0402 0.06W	1
R607	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R608	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R609	MOTSTÅND/100 OHM 1% 0402 0.06W	1
R610	MOTSTÅND/100 OHM 1% 0402 0.06W	1
R614	MOTSTÅND/100 OHM 1% 0402 0.06W	1
R615	MOTSTÅND/100 OHM 1% 0402 0.06W	1
R616	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R617	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R618	MOTSTÅND/2.2 KOHM 1% 0402 0.06W	1
R619	MOTSTÅND/100 OHM 1% 0402 0.06W	1
R620	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R621	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R622	MOTSTÅND/0.0 OHM0402	1
R624	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R625	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R626	MOTSTÅND/750 OHM 1% 0402 0.06W	1
R628	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R629	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R630	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R631	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R632	MOTSTÅND/750 OHM 1% 0402 0.06W	1
R634	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R635	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R636	MOTSTÅND/1.2 KOHM 1% 0402 0.06W	1
R638	MOTSTÅND/12 KOHM 1% 0402 0.06W	1
R639	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R640	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R641	MOTSTÅND/100 OHM 1% 0402 0.06W	1
R642	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R643	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R701	MOTSTÅND/10 OHM 5% 0402 0.06W	1
R702	MOTSTÅND/270 OHM 1% 0402 0.06W	1
R703	MOTSTÅND/150 OHM 1% 0402 0.06W	1
R704	MOTSTÅND/10 OHM 5% 0402 0.06W	1
R705	MOTSTÅND/1.2 KOHM 1% 0402 0.06W	1
R706	MOTSTÅND/7.5 KOHM 1% 0402 0.06W	1
R707	MOTSTÅND/7.5 KOHM 1% 0402 0.06W	1
R708	MOTSTÅND/7.5 KOHM 1% 0402 0.06W	1
R710	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1

R711	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R712	MOTSTÅND/10 KOHM 1% 0402 0.06W	1
R713	TERMISTOR/10 KOHM 1% NTC 0805	1
R714	MOTSTÅND/1 KOHM 5% 0402 0.06W	1
R715	MOTSTÅND/150 OHM 1% 0402 0.06W	1
R801	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R802	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R803	MOTSTÅND/1 KOHM 5% 0402 0.06W	1
R804	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R805	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R806	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R807	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R808	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R809	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R810	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R811	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R812	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R813	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R814	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R815	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R816	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R817	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R818	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R819	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R901	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R902	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R903	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R904	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R905	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R906	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R907	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R908	MOTSTÅND/100 KOHM 5% 0402 0.06	1
R909	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R910	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R911	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R912	MOTSTÅND/0.0 OHM0402	1
R913	MOTSTÅND/0.0 OHM0402	1
R914	MOTSTÅND/0.0 OHM0402	1
R1001	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R1002	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R1003	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R1004	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R1005	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R1006	MOTSTÅND/100 KOHM 5% 0402 0.06	1
R1007	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R1008	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R1009	MOTSTÅND/1.0 KOHM 1% 0402 0.06W	1
R1101	MOTSTÅND/8.2 KOHM 5% 0402 0.06	1
R1102	MOTSTÅND/8.2 KOHM 5% 0402 0.06	1
R1201	VARISTOR/SUPPRESSOR 18V 0603	1
R1202	MOTSTÅND/330 OHM 5% 0402 0.06W	1
R1203	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1204	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1205	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1206	MOTSTÅND/330 OHM 5% 0402 0.06W	1
R1207	VARISTOR/791MHZ,0603,NICKEL PLATED	1

R1208	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1209	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1210	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1211	MOTSTÅND/330 OHM 5% 0402 0.06W	1
R1212	MOTSTÅND/330 OHM 5% 0402 0.06W	1
R1213	MOTSTÅND/330 OHM 5% 0402 0.06W	1
R1214	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1215	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1216	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1217	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1218	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1219	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1220	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1221	MOTSTÅND/33 OHM 5% 0402 0.06W	1
R1222	MOTSTÅND/33 OHM 5% 0402 0.06W	1
R1223	MOTSTÅND/330 OHM 5% 0402 0.06W	1
R1224	MOTSTÅND/33 OHM 5% 0402 0.06W	1
R1225	MOTSTÅND/33 OHM 5% 0402 0.06W	1
R1226	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R1227	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R1228	MOTSTÅND/10 KOHM 5% 0402 0.06W	1
R1229	MOTSTÅND/330 OHM 5% 0402 0.06W	1
R1230	MOTSTÅND/27 KOHM 1% 0402 0.06W	1
R1231	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1232	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1233	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1234	MOTSTÅND/47 KOHM 5% 0402 0.06W	1
R1235	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1236	VARISTOR/791MHZ,0603,NICKEL PLATED	1
R1237	VARISTOR/791MHZ,0603,NICKEL PLATED	1
T101	TRANSFORMATOR/RF,MULTILAYER,SLT-090H	1
T301	TRANSFORMATOR/RF,MULTILAYER,SLT-090H	1
V501	TRANSISTOR/P-CHNL,ENHAN,FET	1
V502	TRANSISTOR/P-CHNL,ENHAN,FET	1
V503	TRANSISTOR/P-CHNL,ENHAN,FET	1
V601	TRANSISTOR/DUAL PNP W/ RESISTORS	1
V602	TRANSISTOR/DUAL NPN,47K RES,UMH2N	1
V603	TRANSISTOR/DUAL,NPN,SM,UMH6N,47K,DIGITAL	1
V701	TRANSISTOR/CF750, GAASFET SOT-143	1
V702	TRANSISTOR/DUAL,NPN,UMX3N	1
V1001	TRANSISTOR/DUAL NPN,47K RES,UMH2N	1
V1201	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1202	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1203	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1204	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1205	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1206	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1207	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1208	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1209	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1210	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1211	DIOD/BAV99W.HIGH-SPEED,SOT323	1
V1212	DIOD/BAV99W.HIGH-SPEED,SOT323	1
X1	HYLSTAG3/OSMT COAX FOR PCB-MOUNT	1
X701	EXPERIMENTPRODUKT/19.2 MHZ OSC	1
X801	KVARTSKRISTALL/32.768KHZ,SMD,CC4V32.768KHZ9PF	1