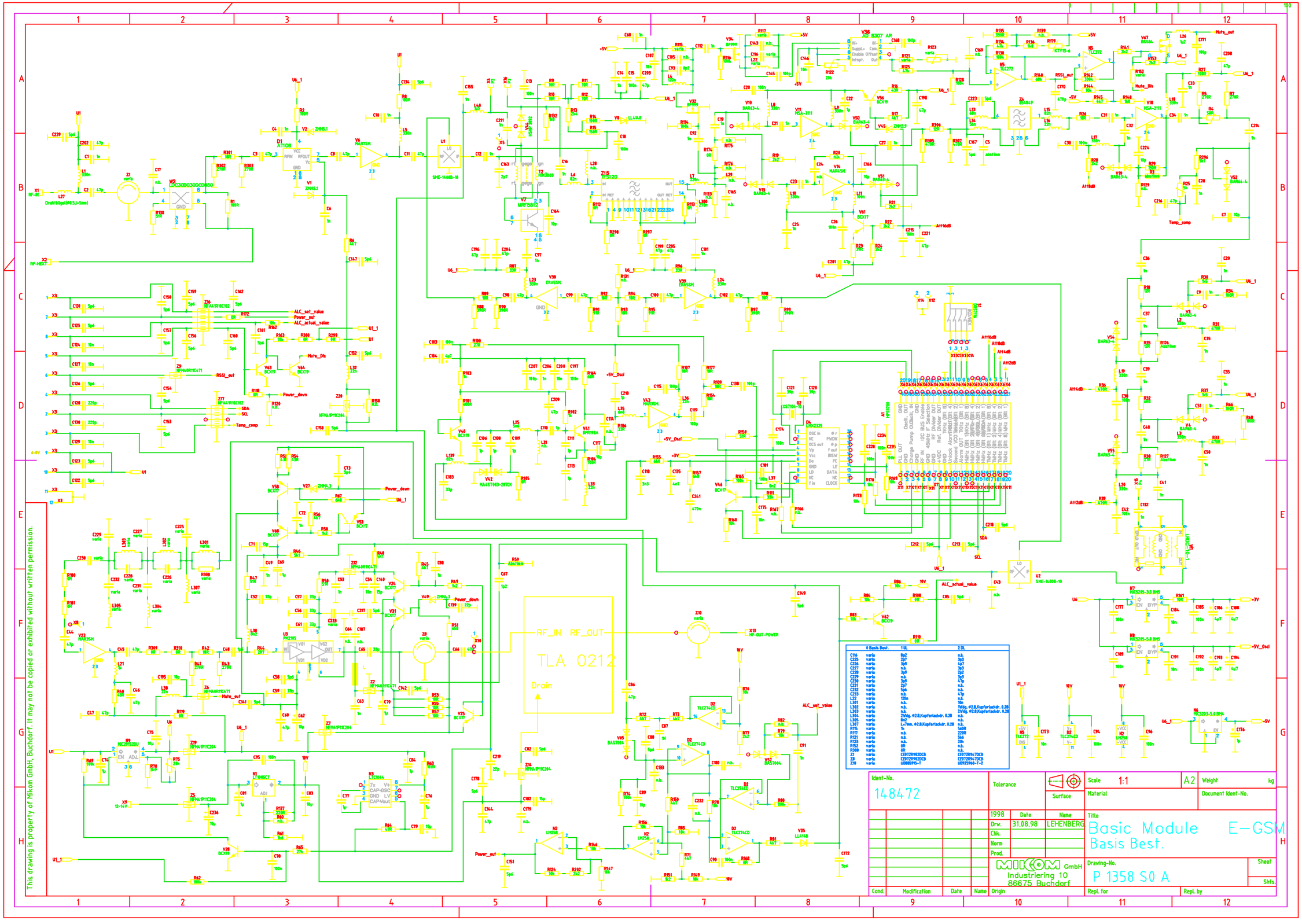
TLA 0212
RF_IN
RF_OUT
Drain
Basic Module E-GSM
Basis Best.
MIKOM GmbH
Industriering 10
86675 Buchdorf
P 1358 S0 A
148472
1:1
A2
1998
31.08.98
LEHENBERG
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GSM Basic Module Id.-No. 148702 P1358B7A

Designation	Type	Casing	Id.-No.	Function	Current [mA]	Voltage [V]
V1	ZMM5.1	MMELF_S	90134	voltage reference	1	5
V2	ZMM5.1	MMELF_S	90134	voltage reference	14	5
V3	BAR63-4	SOT23_C	140692	attenuator	3	0.5
V4	BAR63-4	SOT23_C	140692	attenuator	3	0.5
V5	ERA1SM	WW107_S	144378	amplifier	44	3.8
V7	MRF5812	SO8NB_C	140923	npn transistor	50	6
V8	LL4148	MMELF_C	15321	pn diode	2.4	0.7
V10	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V11	ERA2SM	WW107_C	144379	amplifier	45	3.6
V12	SNA-586	SNA_C	143511	amplifier	68	5
V13	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V18	MSA-2111	SOT143_C	129114	amplifier	29	3.6
V19	BAR63-4	SOT23_C	140692	attenuator	1.8	0.5
V28	BCX19	SOT23_S	23861	npn transistor	0.1	-
V32	BF999	SOT23_C	142943	mosfet transistor	-	-
V34	BF999	SOT23_C	142943	mosfet transistor	-	-
V36	AD 8307 AR	SO8NB_C	147180	op amp	-	-
V38	ERA3SM	WW107_C	145224	amplifier	35	3.6
V39	ERA3SM	WW107_C	145224	amplifier	35	3.6
V40	BCX19	SOT23_C	23861	npn transistor	2	0.7
V41	BFP420	SOT343A_C	148422	rf npn transistor	30	
V42	MA4ST083-287CK	SOT23_C	143829	varicap	0	5
V43	ERA3SM	WW107_C	145224	amplifier	32	3.6
V44	HSMP 3892	SOT23_C	148251	pin diode	4	0.5
V46	BCX17	SOT23_C	23663	pnp transistor	0.3	-
V50	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V51	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V52	BAR64-4	SOT23_C	140862	attenuator	1.5	0.6
V54	BAR63-4	SOT23_C	140692	attenuator	5	0.5
V55	BAR63-4	SOT23_C	140692	attenuator	5	0.5
V56	BCX19	SOT23_S	23861	npn transistor	45	0.1
V57	BAS7004	SOT23_S	61440	schottky diode	0.05	0.5
V62	BCX19	SOT23_S	23861	npn transistor	1	-
V63	BSS131	SOT23_S	142304	mosfet n	1	-
V64	BCX19	SOT23_S	23861	npn transistor	3	-
V67	BSS84	SOT23_S	145121	mosfet p	70	-

Baugruppenst•ckliste f•r: 148702 Basic Module /00 1850-1910/1930-1990MHz
27.05.1999 3 Seite: 1

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
148702	Basic Module /00 1850-1910/1930-1990MHz G0828Z0C			1,000	S
+ 148596	Assembly drawing Basic Module G0828M1E	10		0,000	S
+ 149094	Assembly drawing module handle G0832M2A	20		0,000	S
+ 148557	Montagematerial	30		1,000	S
+ 150744	Platine best. 1358.1 WSt: FR4 P1358B7A	40		2,000	S
+ 144406	Platine roh 1238.1 WSt: FR4 P1238P0A	50		2,000	S
+ 149850	Detektor GSM 1800/PCS /00 -10..-30dBm P1385B0B	60		2,000	S
+ 117572	Spule SMD 120,0nH, ñ5% 1206 verg., Keramik-Kern	70		1,000	S
+ 131649	Kondensator SMD 1,0pF ñ0,25pF, 0603	80		3,000	S
+ 131664	Kondensator SMD 2,2pF ñ0,25pF, 0603, NPO	90		4,000	S
+ 131680	Kondensator SMD 10,0pF ñ0,25pF, 0603	100		1,000	S
+ 131706	Widerstand SMD 0,0Ohm ñ2%, 0,063W, 0603	110		2,000	S
+ 131763	Widerstand SMD 220,0Ohm ñ1%, 0,063W, 0603	120		1,000	S
+ 131797	Widerstand SMD 1,0kOhm ñ1%, 0,063W, 0603	130		1,000	S
+ 140380	Widerstand SMD 560,0Ohm ñ1%, 0,063W, 0603	140		1,000	S
+ 140381	Widerstand SMD 10,0Ohm ñ1%, 0,063W, 0603	150		1,000	S
+ 140455	Filter Freq.: 1960,0MHz	160		3,000	S
+ 140456	Filter Freq.: 1880,0MHz	170		3,000	S
+ 143290	Stiftleiste 12-p.2-reihig MTSW-106-08-L-D-0275	180		1,000	S
+ 144295	Spule SMD 2,7nH, ñ0,3nH Typ 2012 High Frequenz	190		1,000	S
+ 144736	Kondensator SMD 33,0pF ñ5%, 50V, 0603, NPO	200		1,000	S
+ 144786	Widerstand SMD 5,6kOhm ñ1%, 0,063W, 0603	210		1,000	S
+ 146089	Kondensator SMD 2,7pF ñ0,25pF, 0603, NPO	220		1,000	S
+ 148029	Kondensator SMD 8,2pF 50V, 0603	230		1,000	S
+ 148035	Kondensator SMD 3,9pF 50V, 0603	240		1,000	S

+ 148501	Kondensator SMD 1,8pF	250		1,000 S

Baugruppenst•ckliste f•r: 148702 Basic Module /00 1850-1910/1930-1990MHz

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl ME
	1p8 5% 50V NPO 0603			
+ 148521	Stiftleiste, 12-polig zweireihig, gerade	260		1,000 S
+ 148756	Isolator 1,930-1,990GHz Isolation: 15dB min. SMD	270		2,000 S
+ 148757	Isolator 1,850-1,910GHz Isolation: 15dB min SMD	280		2,000 S
+ 148894	Widerstand Poti SMD 100,0KOHM ñ20%	290		1,000 S
+ 149145	Spule SMD 1,8nH, ñ5% 0805 Accu-L 2,9/70@2,4GHz	300		1,000 S
+ 116004	Zylinderkopfschraube M2,0x4 DIN 912 Edelstahl	310		6,000 S
+ 14332	Unterlegscheibe f•r M2,0 DIN 125 A2 d:2,2	320		12,000 S
+ 147826	Label G0813AAA	330		0,000 S
+ 147817	Label G0813A1A	340		0,000 S
+ 60772	Etiketten "Warranty Void-If seal is	350		0,000 S
	** Gesamtsumme Teile **			61,000

Baugruppenst•ckliste f•r: 150744 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 1

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
150744	Platine best. 1358.1 WSt: FR4 P1358B7A			1,000	S
+ 148473	Platine roh 1358.1 WSt: FR4 (1St.=0,5Nutzen) P1358P0A	10		1,000	S
+ 265	Widerstand SMD 68,0kOhm ñ5%, 0,125W, 0805	20		1,000	S
+ 7914	Widerstand SMD 0,0Ohm ñ5%, 0,125W, 0805	30		7,000	S
+ 7997	Widerstand SMD 8,2Ohm ñ5%, 0,125W, 0805	40		1,000	S
+ 8003	Widerstand SMD 10,0Ohm ñ5%, 0,125W, 0805	50		4,000	S
+ 8060	Widerstand SMD 18,0Ohm ñ5%, 0,125W, 0805	60		1,000	S
+ 8128	Widerstand SMD 33,0Ohm ñ5%, 0,125W, 0805	70		1,000	S
+ 8219	Widerstand SMD 82,0Ohm ñ5%, 0,125W, 0805	80		2,000	S
+ 8326	Widerstand SMD 240,0Ohm ñ5%, 0,125W, 0805	90		1,000	S
+ 8334	Widerstand SMD 270,0Ohm ñ5%, 0,125W, 0805	100		3,000	S
+ 8482	Widerstand SMD 1,0kOhm ñ5%, 0,125W, 0805	110		1,000	S
+ 8581	Widerstand SMD 4,7kOhm ñ5%, 0,125W, 0805	120		1,000	S
+ 8722	Widerstand SMD 0,0Ohm ñ5%, 0,25W, 1206	130		1,000	S
+ 8730	Widerstand SMD 10,0Ohm ñ5%, 0,25W, 1206	140		1,000	S
+ 8813	Widerstand SMD 62,0Ohm ñ5%, 0,25W, 1206	150		1,000	S
+ 8946	Widerstand SMD 3,3kOhm ñ5%, 0,25W, 1206	160		1,000	S
+ 9316	Widerstand SMD 82,0Ohm ñ5%, 0,25W, 1206	170		1,000	S
+ 11346	Kohleschicht-Widerstand bed 1,5kOhm ñ5% 0,2W 0204	180		2,000	S
+ 12344	Kondensator SMD 1,5pF ñ0,25pF, 0805	190		1,000	S
+ 12351	Kondensator SMD 1,0pF ñ0,25pF, 50V, 0805	200		1,000	S
+ 12377	Kondensator SMD 2,2pF ñ0,25pF, 0805	210		1,000	S
+ 12419	Kondensator SMD 5,6pF ñ0,25pF, 50V, 0805	220		2,000	S
+ 12435	Kondensator SMD 10,0pF ñ0,25pF, 100V, 0805	230		1,000	S
+ 12492	Kondensator SMD 2,7pF ñ0,25pF, 63V, 0805	240		1,000	S
+ 15321	Universaldiode SMD LL4148 100,0V, 150mA, MiniMELF	250		1,000	S
+ 23663	Bipolarer Transistor PNP	260		1,000	S

	Typ:BCX17 100,0MHz		
+ 23861	Bipolarer Transistor NPN 270		5,000 S

Baugruppenst•ckliste f•r: 150744 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 2

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	Typ:BCX19 150,0MHz				
+ 31971	IC-Spannungsregler LM350T 1,25-33V 3A	280		1,000	S
+ 33837	Kondensator SMD 10,0nF ñ10%, 63V, 0805	290		1,000	S
+ 39602	Kondensator SMD 10,0pF ñ0,25pF, 50V, 1206	300		1,000	S
+ 42010	Spule SMD 100,0nH, ñ5% 1206 verg., Keramik-Kern	310		1,000	S
+ 42036	Spule SMD 1500,0nH, ñ5% 1206 verg., Ferrit-Kern	320		1,000	S
+ 46607	Kondensator SMD 1,0nF ñ5%, 50V, 1206	330		3,000	S
+ 51078	Spule SMD 68,0nH, ñ5% 1206 verg., Keramik-Kern	340		1,000	S
+ 56168	Spule SMD 270,0nH, ñ5% 1206 verg., Keramik-Kern	350		1,000	S
+ 58446	Spule SMD 220,0nH, ñ5% 1206 verg., Keramik-Kern	360		1,000	S
+ 61440	Schottky-Diode SMD BAS 70-04 -70,0V SOT-23	370		1,000	S
+ 62877	Spule SMD 1000,0nH, ñ5% 1206 verg., Keramik-Kern	380		1,000	S
+ 66175	Kondensator SMD 1,0nF ñ5%, 50V, 0805	390		3,000	S
+ 68650	Widerstand SMD 2,2kOhm ñ5%, 0,25W, 1206	400		1,000	S
+ 70318	Spule SMD 56,0nH, ñ5% 1206 verg., Keramik-Kern	410		1,000	S
+ 74179	Widerstand SMD 100,0Ohm ñ5%, 0,125W, 0805	420		2,000	S
+ 75655	Spule SMD 330,0nH, ñ5% 1206 verg., Keramik-Kern	430		13,000	S
+ 75820	Widerstand SMD 10,0kOhm ñ5%, 0,125W, 0805	440		4,000	S
+ 75903	Widerstand SMD 100,0kOhm ñ5%, 0,25W, 1206	450		1,000	S
+ 76471	Widerstand SMD 1,6kOhm ñ5%, 0,125W, 0805	460		1,000	S
+ 79681	Widerstand SMD 1,2kOhm ñ5%, 0,125W, 0805	470		2,000	S
+ 87148	Widerstand SMD 27,0kOhm ñ5%, 0,125W, 0805	480		1,000	S
+ 88518	Kondensator SMD 100,0nF ñ20%, 63,0V, 1206	490		1,000	S
+ 90134	Zenerdiode SMD ZMM5,1 5,1V, 0,5W, MiniMELF	500		2,000	S
+ 90332	Kondensator 6,8pF ñ0,25pF/50V/0603/NPO	510		2,000	S
+ 91181	Kondensator SMD 470,0nF 25V, 1210	520		1,000	S
+ 94037	Kondensator SMD 100,0pF 50V, 0603	530		5,000	S
+ 99440	Kondensator 10,0æF SMD ñ10%, 25V Tantal Elko	540		2,000	S
+ 101246	Widerstand SMD 22,0Ohm	550		1,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	ñ5%, 0,25W, 1206				
+ 113332	Kondensator SMD 0,5pF ñ25%, 50V, 0805	560		1,000	S
+ 117549	Spule SMD 22,0nH, ñ5% 1206 verg., Keramik-Kern	570		3,000	S
+ 117564	Spule SMD 82,0nH, ñ5% 1206 verg., Keramik-Kern	580		2,000	S
+ 117572	Spule SMD 120,0nH, ñ5% 1206 verg., Keramik-Kern	590		1,000	S
+ 118653	MMS-Buchse 50,0Ohm	600		3,000	S
+ 120543	Kondensator 1,0æF 25V, Baugr”áe A	610		4,000	S
+ 129114	Bipolarer Verst„rker Typ:MSA-2111 TR-1	620		1,000	S
+ 131631	Kondensator SMD 0,5pF ñ0,25pF, 0603	630		1,000	S
+ 131672	Kondensator SMD 47,0pF ñ5%, 0603	640		22,000	S
+ 131680	Kondensator SMD 10,0pF ñ0,25pF, 0603	650		5,000	S
+ 131698	Kondensator SMD 1,0nF ñ5%, 0603 COG/NPO	660		36,000	S
+ 131706	Widerstand SMD 0,0Ohm ñ2%, 0,063W, 0603	670		20,000	S
+ 131714	Widerstand SMD 12,0Ohm ñ1%, 0,063W, 0603	680		2,000	S
+ 131722	Widerstand SMD 18,0Ohm ñ1%, 0,063W, 0603	690		2,000	S
+ 131730	Widerstand SMD 47,0Ohm ñ1%, 0,063W, 0603	700		1,000	S
+ 131748	Widerstand SMD 100,0Ohm ñ1%, 0,063W, 0603	710		4,000	S
+ 131763	Widerstand SMD 220,0Ohm ñ1%, 0,063W, 0603	720		2,000	S
+ 131797	Widerstand SMD 1,0kOhm ñ1%, 0,063W, 0603	730		3,000	S
+ 131805	Widerstand SMD 1,8kOhm ñ1%, 0,063W, 0603	740		3,000	S
+ 131813	Widerstand SMD 2,2kOhm ñ1%, 0,063W, 0603	750		7,000	S
+ 131847	Widerstand SMD 10,0kOhm ñ1%, 0,063W, 0603	760		12,000	S
+ 131854	Widerstand SMD 100,0kOhm ñ1%, 0,063W, 0603	770		6,000	S
+ 133835	OP-Single Supply LM258D SO-8 2 Systeme	780		1,000	S
+ 140341	SAW Filter 854849/00 bw200kHz(1dB) fc120MHz	790		1,000	S
+ 140381	Widerstand SMD 10,0Ohm ñ1%, 0,063W, 0603	800		3,000	S
+ 140691	Filter NFA 41R10C102	810		2,000	S
+ 140692	Pindiode SMD BAR63-04 SOT-23	820		9,000	S
+ 140862	Pindiode SMD BAR64-04 SOT-23	830		1,000	S
+ 140915	Mischer SME1400B-10	840		2,000	S

Baugruppenst•ckliste f•r: 150744 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 4

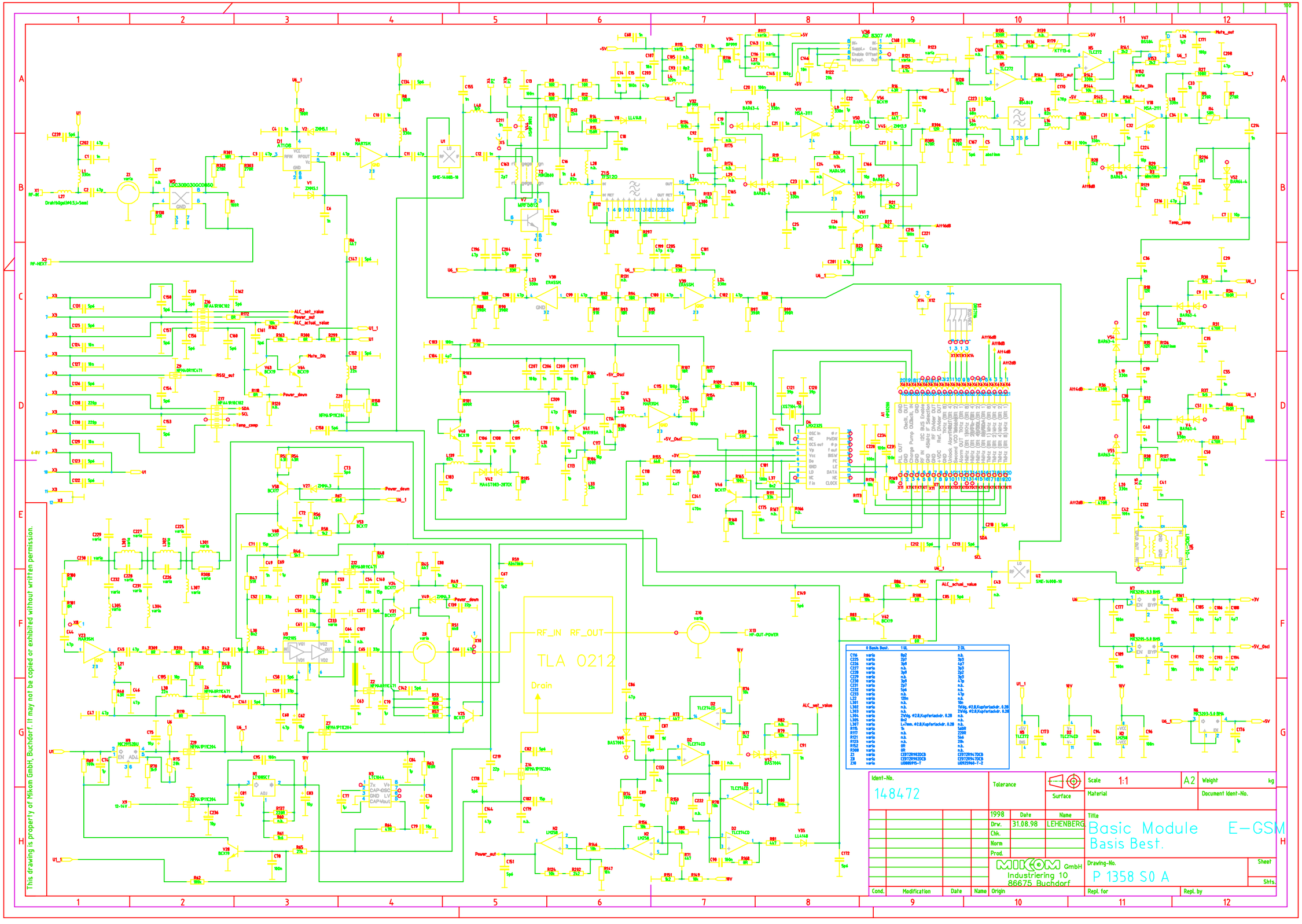
Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	1,0-2500,0MHz, ñ10dBm				
+ 140923	Bipolarer Transistor	850		1,000	S
	Typ:MRF5812 5,0GHz SMD				
+ 141598	IC TLC274CD SO14	860		1,000	S
	4-fach Operationsverst.				
+ 141950	SAW Filter TFS120/00	870		1,000	S
	bw200kHz(1dB) fc120MHz				
+ 141957	Filter NFM 41P11C204	880		4,000	S
+ 141958	Filter NFM 40R11C471	890		2,000	S
+ 142131	Buchsenleiste, 20-polig	900		2,000	S
	einreihig SMD				
+ 142275	Kondensator 4,7æF SMD	910		5,000	S
	10V, Elko-Tantal				
+ 142304	ENH-MOSFET-N	920		1,000	S
	Typ:BSS 131 GEG				
+ 142562	Kondensator SMD 100,0nF	930		7,000	S
	16,0V, 0603, ñ10%				
+ 142582	Kondensator SMD 470pF	940		1,000	S
	63,0V, 0603, NPO				
+ 142715	Widerstand SMD 470,0Ohm	950		8,000	S
	ñ1%, 0,063W, 0603				
+ 142799	šbertrager 1:1	960		1,000	S
	f•r MRF581				
	G0699Z3A				
+ 142943	DEPL MOSFET-N Transistor	970		2,000	S
	Typ: BF999 300 MHz				
+ 143511	GaAs-Verst„rker SNA-586	980		1,000	S
	DC-3,0GHz, SMD-Bauform				
+ 143767	Kondensator SMD 100,0nF	990		15,000	S
	ñ10%, 50V, 0805				
+ 143829	Varactordiode SMD	1000		1,000	S
	MA4ST083CK-287 SOT-23				
+ 144025	Buchsenleiste, 3-polig	1010		2,000	S
	einreihig SMD				
+ 144026	Kodierschalter DRS 7116	1020		1,000	S
	HEX-Codierung, invers				
+ 144066	Widerstand SMD 2,4kOhm	1030		1,000	S
	ñ1%, 0,063W, 0603				
+ 144115	Kondensator SMD 10,0nF	1040		9,000	S
	63V, 0603				
+ 144116	Kondensator SMD 220pF	1050		2,000	S
	63V, 0603, NPO				
+ 144121	Kondensator SMD 15pF	1060		1,000	S
	63V, 0603, NPO				
+ 144125	Widerstand SMD 22,0Ohm	1070		1,000	S
	ñ1%, 0,063W, 0603				
+ 144127	Widerstand SMD 47kOhm	1080		2,000	S
	ñ1%, 0,063W, 0603				
+ 144128	Widerstand SMD 33kOhm	1090		1,000	S
	ñ1%, 0,063W, 0603				
+ 144183	Low Drop Regulator 5V/00	1100		1,000	S
	MIC5203-5V, 80mA, Micrel				
+ 144184	Low Drop Regulator 5V/00	1110		1,000	S
	MIC5205-5V, 150mA, Micrel				
+ 144185	Variabel Attenuator	1120		1,000	S
	AT108,40dB,0-5V,SO8 MACOM				
+ 144378	Bipolarer Verst„rker	1130		1,000	S

Baugruppenst•ckliste f•r: 150744 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 5

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	Typ:ERA-1-SM-TR				
+ 144379	Bipolarer Verst„rker	1140		1,000	S
	Typ:ERA-2-SM-TR				
+ 144735	Kondensator SMD 22,0pF	1150		1,000	S
	ñ5%, 50V, 0603, NPO				
+ 144736	Kondensator SMD 33,0pF	1160		2,000	S
	ñ5%, 50V, 0603, NPO				
+ 144768	Widerstand SMD 6,8Ohm	1170		1,000	S
	ñ1%, 0,063W, 0603				
+ 144772	Widerstand SMD 27,0Ohm	1180		1,000	S
	ñ1%, 0,063W, 0603				
+ 144778	Widerstand SMD 150,0Ohm	1190		1,000	S
	ñ1%, 0,063W, 0603				
+ 144779	Widerstand SMD 330,0Ohm	1200		1,000	S
	ñ1%, 0,063W, 0603				
+ 144780	Widerstand SMD 390,0Ohm	1210		4,000	S
	ñ1%, 0,063W, 0603				
+ 144781	Widerstand SMD 680,0Ohm	1220		1,000	S
	ñ1%, 0,063W, 0603				
+ 144784	Widerstand SMD 3,9kOhm	1230		1,000	S
	ñ1%, 0,063W, 0603				
+ 144785	Widerstand SMD 4,7kOhm	1240		5,000	S
	ñ1%, 0,063W, 0603				
+ 144798	Widerstand SMD 330,0kOhm	1250		1,000	S
	ñ1%, 0,063W, 0603				
+ 144813	Widerstand SMD 51,0Ohm	1260		1,000	S
	ñ1%, 0,063W, 0603				
+ 144821	PLL Synthesizer LMX 2325	1270		1,000	S
	National, TSSOP20				
+ 145121	ENH-MOSFET-P, SOT23	1280		1,000	S
	Typ:BSS 84				
+ 145217	IC TLC272CD SO8	1290		1,000	S
	2-fach Operationsverst.				
+ 145224	Bipolarer Verst„rker	1300		3,000	S
	Typ:ERA-3SM				
+ 145821	Widerstand Poti SMD	1310		2,000	S
	20,0KOHM ñ20%				
+ 145822	Widerstand Poti SMD	1320		1,000	S
	5,0KOHM ñ20%				
+ 146089	Kondensator SMD 2,7pF	1330		1,000	S
	ñ0,25pF, 0603, NPO				
+ 146147	Kondensator SMD 3,3nF	1340		2,000	S
	ñ10%, 50V, 0603				
+ 146152	Kondensator SMD 5,6pF	1350		31,000	S
	50V, 0603				
+ 146693	Low Drop Regulator 3,3V	1360		1,000	S
	MIC5205-3,3BM5, 150mA,SMD				
+ 147180	IC SMD AD8307AR	1370		1,000	S
	DC-500MHz Log-Amp.				
+ 147205	PTC-Temperatursensor SMD	1380		1,000	S
	KTY-13-6 -50øC bis +150øC				
+ 148029	Kondensator SMD 8,2pF	1390		1,000	S
	50V, 0603				
+ 148037	Spule SMD 82,0nH, ñ5%	1400		1,000	S
	0805 verg., Keramik-Kern				
+ 148251	Doppel PIN-Diode	1410		1,000	S

Baugruppenst•ckliste f•r: 150744 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 6

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	HSMP3892 SOT-23				
+ 148265	Directional Coupler /00 10dB 5-500MHZ 50Ohm	1420		1,000	S
+ 148415	Spule SMD 22,0nH, ñ5% 0805 Accu-L 23,5/33@0,9GH	1430		2,000	S
+ 148416	Spule SMD 2,2nH, ñ5% 0805 Accu-L 2,3/72@2,4GHz	1440		1,000	S
+ 148422	NPN Silicon RF-Transistor BFP420 SOT343-Marking AMs	1450		1,000	S
+ 148513	Low Drop Regulator SMD MIC29152BU 1,5A TO-263	1460		1,000	S
+ 148516	Widerstand Poti SMD 50,0OHM ñ20% 0,25W	1470		1,000	S
+ 148621	Kondensator 10,0æF 20V Baugr”áe C Elko-Tantal	1480		1,000	S
+ 148805	Kondensator SMD 220,0nF ñ10%, 25V, 1206	1490		1,000	S
+ 148838	Widerstand SMD 43,0Ohm ñ1%, 0,063W, 0603	1500		1,000	S
+ 148886	3dB Hybrid, 90ø, SMD 1800-2000MHz, Loss 3.0dB	1510		1,000	S
+ 149249	Platine best. 1377.1 WSt: FR4 1,0mm 35æm Cu P1377B0B	1520		1,000	S
+ 149715	Widerstand SMD 75,0Ohm ñ1%, 0,063W, 0603	1530		1,000	S
+ 67041	Kontaktstreifen Form Y Oberfl„che: verzinnt	1540		0,040	M
+ 142979	Buchsenleiste, 4-polig einreihig	1550		4,000	S
+ 142980	Buchsenleiste, 5-polig einreihig	1560		4,000	S
	** Gesamtsumme Teile **			429,040	


TLA 0212
RF_IN
RF_OUT
Drain
Basic Module E-GSM
Basis Best.
MIKOM GmbH
Industriering 10
86675 Buchdorf
P 1358 S0 A
148472
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1998
31.08.98
LEHENBERG
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TDMA Basic Module Id.-No. 148703 P1358B6A

Designation	Type	Casing	Id.-No.	Function	Current [mA]	Voltage [V]
V1	ZMM5.1	MMELF_S	90134	voltage reference	1	5
V2	ZMM5.1	MMELF_S	90134	voltage reference	14	5
V3	BAR63-4	SOT23_C	140692	attenuator	3	0.5
V4	BAR63-4	SOT23_C	140692	attenuator	3	0.5
V7	MRF5812	SO8NB_C	140923	npn transistor	50	6
V8	LL4148	MMELF_C	15321	pn diode	2.4	0.7
V10	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V11	ERA2SM	WW107_C	144379	amplifier	45	3.6
V12	SNA-586	SNA_C	143511	amplifier	68	5
V13	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V19	BAR63-4	SOT23_C	140692	attenuator	1.8	0.5
V28	BCX19	SOT23_S	23861	npn transistor	0.1	-
V32	BF999	SOT23_C	142943	mosfet transistor	-	-
V34	BF999	SOT23_C	142943	mosfet transistor	-	-
V36	AD 8307 AR	SO8NB_C	147180	op amp	-	-
V38	ERA3SM	WW107_C	145224	amplifier	35	3.6
V39	ERA3SM	WW107_C	145224	amplifier	35	3.6
V40	BCX19	SOT23_C	23861	npn transistor	2	0.7
V41	BFP420	SOT343A_C	148422	rf npn transistor	30	
V42	MA4ST083-287CK	SOT23_C	143829	varicap	0	5
V43	ERA3SM	WW107_C	145224	amplifier	32	3.6
V46	BCX17	SOT23_C	23663	pnp transistor	0.3	-
V50	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V51	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V52	BAR64-4	SOT23_C	140862	attenuator	1.5	0.6
V54	BAR63-4	SOT23_C	140692	attenuator	5	0.5
V55	BAR63-4	SOT23_C	140692	attenuator	5	0.5
V56	BCX19	SOT23_S	23861	npn transistor	45	0.1
V57	BAS7004	SOT23_S	61440	schottky diode	0.05	0.5
V62	BCX19	SOT23_S	23861	npn transistor	1	-
V63	BSS131	SOT23_S	142304	mosfet n	1	-
V64	BCX19	SOT23_S	23861	npn transistor	3	-
V67	BSS84	SOT23_S	145121	mosfet p	70	-

Baugruppenst•ckliste f•r: 148703 Basic Module TDMA /00 1850-1910/1930-1990MHz
27.05.1999 3 Seite: 1

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
148703	Basic Module TDMA /00 1850-1910/1930-1990MHz G0828Z2A			1,000	S
+ 150830	Assembly drawing Basic Module G0828M2A	10		0,000	S
+ 149094	Assembly drawing module handle G0832M2A	20		0,000	S
+ 148557	Montagematerial	30		1,000	S
+ 149694	Platine best. 1358.1 WSt: FR4 P1358B6A	40		2,000	S
+ 144406	Platine roh 1238.1 WSt: FR4 P1238P0A	50		2,000	S
+ 149850	Detektor GSM 1800/PCS /00 -10..-30dBm P1385B0B	60		2,000	S
+ 113332	Kondensator SMD 0,5pF ñ25%, 50V, 0805	70		1,000	S
+ 117549	Spule SMD 22,0nH, ñ5% 1206 verg., Keramik-Kern	80		1,000	S
+ 131631	Kondensator SMD 0,5pF ñ0,25pF, 0603	90		1,000	S
+ 131649	Kondensator SMD 1,0pF ñ0,25pF, 0603	100		1,000	S
+ 131680	Kondensator SMD 10,0pF ñ0,25pF, 0603	110		1,000	S
+ 131656	Kondensator SMD 1,2pF ñ0,25pF, 0603	120		2,000	S
+ 131664	Kondensator SMD 2,2pF ñ0,25pF, 0603, NPO	130		1,000	S
+ 131706	Widerstand SMD 0,0Ohm ñ2%, 0,063W, 0603	140		2,000	S
+ 131763	Widerstand SMD 220,0Ohm ñ1%, 0,063W, 0603	150		1,000	S
+ 131797	Widerstand SMD 1,0kOhm ñ1%, 0,063W, 0603	160		1,000	S
+ 140380	Widerstand SMD 560,0Ohm ñ1%, 0,063W, 0603	170		1,000	S
+ 140381	Widerstand SMD 10,0Ohm ñ1%, 0,063W, 0603	180		1,000	S
+ 140455	Filter Freq.: 1960,0MHz	190		1,000	S
+ 140456	Filter Freq.: 1880,0MHz	200		3,000	S
+ 142573	Kondensator SMD 56,0pF 63,0V, 0603	210		1,000	S
+ 143290	Stiftleiste 12-p.2-reihig MTSW-106-08-L-D-0275	220		1,000	S
+ 144733	Kondensator SMD 1,5pF ñ5%, 50V, 0603, NPO	230		2,000	S
+ 144734	Kondensator SMD 3,3pF ñ5%, 50V, 0603, NPO	240		1,000	S

+ 144786	Widerstand SMD 5,6kOhm	250		1,000 S

Baugruppenst•ckliste f•r: 148703 Basic Module TDMA /00 1850-1910/1930-1990MHz

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	ñ1%, 0,063W, 0603				
+ 146089	Kondensator SMD 2,7pF	260		1,000	S
	ñ0,25pF, 0603, NPO				
+ 148029	Kondensator SMD 8,2pF	270		1,000	S
	50V, 0603				
+ 148035	Kondensator SMD 3,9pF	280		2,000	S
	50V, 0603				
+ 148407	Spule SMD 3,9nH, ñ5%	290		1,000	S
	0805 Accu-L 4,1/42@2,4GHz				
+ 148521	Stiftleiste, 12-polig	300		1,000	S
	zweireihig, gerade				
+ 148756	Isolator 1,930-1,990GHz	310		2,000	S
	Isolation: 15dB min. SMD				
+ 148757	Isolator 1,850-1,910GHz	320		2,000	S
	Isolation: 15dB min SMD				
+ 148894	Widerstand Poti SMD	330		1,000	S
	100,0KOHM ñ20%				
+ 149145	Spule SMD 1,8nH, ñ5%	340		1,000	S
	0805 Accu-L 2,9/70@2,4GHz				
+ 116004	Zylinderkopfschraube	350		6,000	S
	M2,0x4 DIN 912 Edelstahl				
+ 14332	Unterlegscheibe f•r M2,0	360		12,000	S
	DIN 125 A2 d:2,2				
+ 147826	Label	370		0,000	S
	G0813AAA				
+ 147817	Label	380		0,000	S
	G0813A1A				
+ 60772	Etiketten	390		0,000	S
	"Warranty Void-If seal is				
+ 149089	Bandpassfilterbox /00	400		1,000	S
	if 240MHz bw 30kHz TDMA				
	G0837Z0A				
	** Gesamtsumme Teile **			62,000	

Baugruppenst•ckliste f•r: 149694 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 1

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
149694	Platine best. 1358.1 WSt: FR4 P1358B6A			1,000	S
+ 148473	Platine roh 1358.1 WSt: FR4 (1St.=0,5Nutzen) P1358P0A	10		1,000	S
+ 265	Widerstand SMD 68,0kOhm ñ5%, 0,125W, 0805	20		1,000	S
+ 7914	Widerstand SMD 0,0Ohm ñ5%, 0,125W, 0805	30		9,000	S
+ 7997	Widerstand SMD 8,2Ohm ñ5%, 0,125W, 0805	40		1,000	S
+ 8003	Widerstand SMD 10,0Ohm ñ5%, 0,125W, 0805	50		4,000	S
+ 8060	Widerstand SMD 18,0Ohm ñ5%, 0,125W, 0805	60		1,000	S
+ 8128	Widerstand SMD 33,0Ohm ñ5%, 0,125W, 0805	70		1,000	S
+ 8185	Widerstand SMD 62,0Ohm ñ5%, 0,125W, 0805	80		1,000	S
+ 8219	Widerstand SMD 82,0Ohm ñ5%, 0,125W, 0805	90		2,000	S
+ 8326	Widerstand SMD 240,0Ohm ñ5%, 0,125W, 0805	100		1,000	S
+ 8334	Widerstand SMD 270,0Ohm ñ5%, 0,125W, 0805	110		1,000	S
+ 8482	Widerstand SMD 1,0kOhm ñ5%, 0,125W, 0805	120		1,000	S
+ 8581	Widerstand SMD 4,7kOhm ñ5%, 0,125W, 0805	130		1,000	S
+ 8722	Widerstand SMD 0,0Ohm ñ5%, 0,25W, 1206	140		3,000	S
+ 8730	Widerstand SMD 10,0Ohm ñ5%, 0,25W, 1206	150		1,000	S
+ 8813	Widerstand SMD 62,0Ohm ñ5%, 0,25W, 1206	160		1,000	S
+ 8946	Widerstand SMD 3,3kOhm ñ5%, 0,25W, 1206	170		1,000	S
+ 11346	Kohleschicht-Widerstand bed 1,5kOhm ñ5% 0,2W 0204	180		2,000	S
+ 12344	Kondensator SMD 1,5pF ñ0,25pF, 0805	190		1,000	S
+ 12351	Kondensator SMD 1,0pF ñ0,25pF, 50V, 0805	200		1,000	S
+ 12377	Kondensator SMD 2,2pF ñ0,25pF, 0805	210		1,000	S
+ 12419	Kondensator SMD 5,6pF ñ0,25pF, 50V, 0805	220		2,000	S
+ 12435	Kondensator SMD 10,0pF ñ0,25pF, 100V, 0805	230		3,000	S
+ 12492	Kondensator SMD 2,7pF ñ0,25pF, 63V, 0805	240		1,000	S
+ 15321	Universaldiode SMD LL4148 100,0V, 150mA, MiniMELF	250		1,000	S
+ 23663	Bipolarer Transistor PNP Typ:BCX17 100,0MHz	260		1,000	S
+ 23861	Bipolarer Transistor NPN	270		5,000	S

Baugruppenst•ckliste f•r: 149694 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 2

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	Typ:BCX19 150,0MHz				
+ 31971	IC-Spannungsregler LM350T 1,25-33V 3A	280		1,000	S
+ 33837	Kondensator SMD 10,0nF ñ10%, 63V, 0805	290		1,000	S
+ 42010	Spule SMD 100,0nH, ñ5% 1206 verg., Keramik-Kern	300		1,000	S
+ 46607	Kondensator SMD 1,0nF ñ5%, 50V, 1206	310		3,000	S
+ 61440	Schottky-Diode SMD BAS 70-04 -70,0V SOT-23	320		1,000	S
+ 62877	Spule SMD 1000,0nH, ñ5% 1206 verg., Keramik-Kern	330		1,000	S
+ 66175	Kondensator SMD 1,0nF ñ5%, 50V, 0805	340		3,000	S
+ 68650	Widerstand SMD 2,2kOhm ñ5%, 0,25W, 1206	350		1,000	S
+ 74179	Widerstand SMD 100,0Ohm ñ5%, 0,125W, 0805	360		1,000	S
+ 75655	Spule SMD 330,0nH, ñ5% 1206 verg., Keramik-Kern	370		12,000	S
+ 75820	Widerstand SMD 10,0kOhm ñ5%, 0,125W, 0805	380		4,000	S
+ 75903	Widerstand SMD 100,0kOhm ñ5%, 0,25W, 1206	390		1,000	S
+ 76471	Widerstand SMD 1,6kOhm ñ5%, 0,125W, 0805	400		1,000	S
+ 79681	Widerstand SMD 1,2kOhm ñ5%, 0,125W, 0805	410		2,000	S
+ 87148	Widerstand SMD 27,0kOhm ñ5%, 0,125W, 0805	420		1,000	S
+ 88518	Kondensator SMD 100,0nF ñ20%, 63,0V, 1206	430		1,000	S
+ 90134	Zenerdiode SMD ZMM5,1 5,1V, 0,5W, MiniMELF	440		2,000	S
+ 90332	Kondensator 6,8pF ñ0,25pF/50V/0603/NPO	450		2,000	S
+ 91181	Kondensator SMD 470,0nF 25V, 1210	460		1,000	S
+ 94037	Kondensator SMD 100,0pF 50V, 0603	470		5,000	S
+ 99440	Kondensator 10,0æF SMD ñ10%, 25V Tantal Elko	480		2,000	S
+ 101246	Widerstand SMD 22,0Ohm ñ5%, 0,25W, 1206	490		1,000	S
+ 113332	Kondensator SMD 0,5pF ñ25%, 50V, 0805	500		1,000	S
+ 117549	Spule SMD 22,0nH, ñ5% 1206 verg., Keramik-Kern	510		3,000	S
+ 117564	Spule SMD 82,0nH, ñ5% 1206 verg., Keramik-Kern	520		1,000	S
+ 118653	MMS-Buchse 50,0Ohm	530		3,000	S
+ 120543	Kondensator 1,0æF 25V, Baugr”áe A	540		4,000	S
+ 131672	Kondensator SMD 47,0pF ñ5%, 0603	550		22,000	S
+ 131680	Kondensator SMD 10,0pF	560		4,000	S

Baugruppenst•ckliste f•r: 149694 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 3

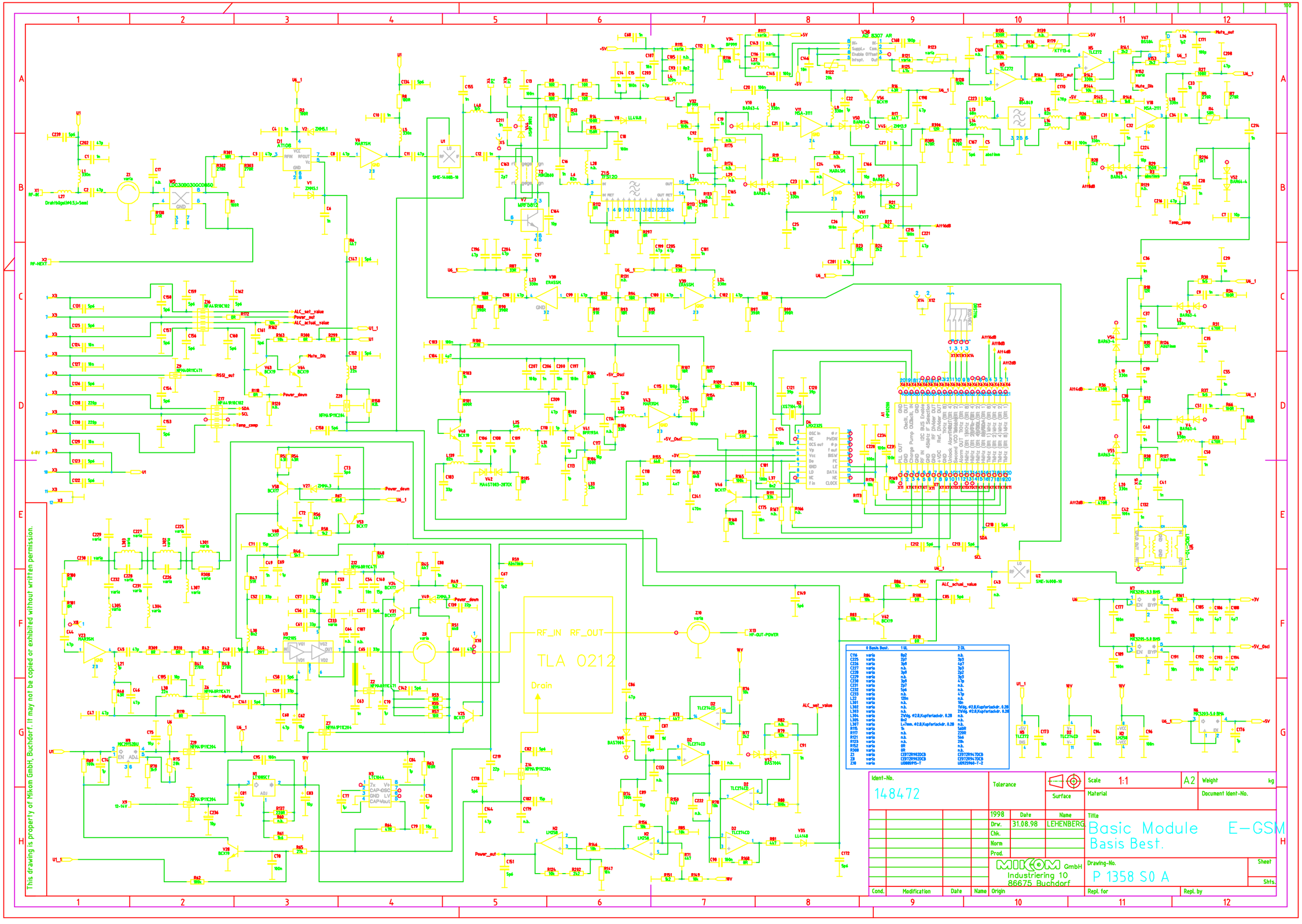
Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	ñ0,25pF, 0603				
+ 131698	Kondensator SMD 1,0nF	570		36,000	S
	ñ5%, 0603 COG/NPO				
+ 131706	Widerstand SMD 0,0Ohm	580		21,000	S
	ñ2%, 0,063W, 0603				
+ 131714	Widerstand SMD 12,0Ohm	590		1,000	S
	ñ1%, 0,063W, 0603				
+ 131722	Widerstand SMD 18,0Ohm	600		2,000	S
	ñ1%, 0,063W, 0603				
+ 131748	Widerstand SMD 100,0Ohm	610		4,000	S
	ñ1%, 0,063W, 0603				
+ 131797	Widerstand SMD 1,0kOhm	620		3,000	S
	ñ1%, 0,063W, 0603				
+ 131805	Widerstand SMD 1,8kOhm	630		2,000	S
	ñ1%, 0,063W, 0603				
+ 131813	Widerstand SMD 2,2kOhm	640		7,000	S
	ñ1%, 0,063W, 0603				
+ 131847	Widerstand SMD 10,0kOhm	650		12,000	S
	ñ1%, 0,063W, 0603				
+ 131854	Widerstand SMD 100,0kOhm	660		6,000	S
	ñ1%, 0,063W, 0603				
+ 133835	OP-Single Supply	670		1,000	S
	LM258D SO-8 2 Systeme				
+ 140381	Widerstand SMD 10,0Ohm	680		2,000	S
	ñ1%, 0,063W, 0603				
+ 140691	Filter NFA 41R10C102	690		2,000	S
+ 140692	Pindiode SMD BAR63-04	700		9,000	S
	SOT-23				
+ 140862	Pindiode SMD BAR64-04	710		1,000	S
	SOT-23				
+ 140915	Mischer SME1400B-10	720		2,000	S
	1,0-2500,0MHz, ñ10dBm				
+ 140923	Bipolarer Transistor	730		1,000	S
	Typ:MRF5812 5,0GHz SMD				
+ 141598	IC TLC274CD SO14	740		1,000	S
	4-fach Operationsverst.				
+ 141957	Filter NFM 41P11C204	750		4,000	S
+ 141958	Filter NFM 40R11C471	760		2,000	S
+ 142131	Buchsenleiste, 20-polig	770		2,000	S
	einreihig SMD				
+ 142275	Kondensator 4,7æF SMD	780		5,000	S
	10V, Elko-Tantal				
+ 142304	ENH-MOSFET-N	790		1,000	S
	Typ:BSS 131 GEG				
+ 142562	Kondensator SMD 100,0nF	800		7,000	S
	16,0V, 0603, ñ10%				
+ 142582	Kondensator SMD 470pF	810		1,000	S
	63,0V, 0603, NPO				
+ 142715	Widerstand SMD 470,0Ohm	820		6,000	S
	ñ1%, 0,063W, 0603				
+ 142799	šbertrager 1:1	830		1,000	S
	f•r MRF581				
	G0699Z3A				
+ 142943	DEPL MOSFET-N Transistor	840		2,000	S
	Typ: BF999 300 MHz				
+ 143511	GaAs-Verst„rker SNA-586	850		1,000	S

Baugruppenst•ckliste f•r: 149694 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 4

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	DC-3,0GHz, SMD-Bauform				
+ 143767	Kondensator SMD 100,0nF ñ10%, 50V, 0805	860		15,000	S
+ 143829	Varactordiode SMD MA4ST083CK-287 SOT-23	870		1,000	S
+ 144025	Buchsenleiste, 3-polig einreihig SMD	880		2,000	S
+ 144026	Kodierschalter DRS 7116 HEX-Codierung, invers	890		1,000	S
+ 144066	Widerstand SMD 2,4kOhm ñ1%, 0,063W, 0603	900		1,000	S
+ 144115	Kondensator SMD 10,0nF 63V, 0603	910		9,000	S
+ 144116	Kondensator SMD 220pF 63V, 0603, NPO	920		2,000	S
+ 144121	Kondensator SMD 15pF 63V, 0603, NPO	930		1,000	S
+ 144127	Widerstand SMD 47kOhm ñ1%, 0,063W, 0603	940		2,000	S
+ 144128	Widerstand SMD 33kOhm ñ1%, 0,063W, 0603	950		1,000	S
+ 144183	Low Drop Regulator 5V/00 MIC5203-5V, 80mA, Micrel	960		1,000	S
+ 144184	Low Drop Regulator 5V/00 MIC5205-5V, 150mA, Micrel	970		1,000	S
+ 144185	Variabel Attenuator AT108,40dB,0-5V,SO8 MACOM	980		1,000	S
+ 144379	Bipolarer Verst„rker Typ:ERA-2-SM-TR	990		2,000	S
+ 144735	Kondensator SMD 22,0pF ñ5%, 50V, 0603, NPO	1000		1,000	S
+ 144736	Kondensator SMD 33,0pF ñ5%, 50V, 0603, NPO	1010		2,000	S
+ 144768	Widerstand SMD 6,8Ohm ñ1%, 0,063W, 0603	1020		1,000	S
+ 144772	Widerstand SMD 27,0Ohm ñ1%, 0,063W, 0603	1030		1,000	S
+ 144778	Widerstand SMD 150,0Ohm ñ1%, 0,063W, 0603	1040		1,000	S
+ 144779	Widerstand SMD 330,0Ohm ñ1%, 0,063W, 0603	1050		1,000	S
+ 144780	Widerstand SMD 390,0Ohm ñ1%, 0,063W, 0603	1060		4,000	S
+ 144781	Widerstand SMD 680,0Ohm ñ1%, 0,063W, 0603	1070		1,000	S
+ 144784	Widerstand SMD 3,9kOhm ñ1%, 0,063W, 0603	1080		1,000	S
+ 144785	Widerstand SMD 4,7kOhm ñ1%, 0,063W, 0603	1090		5,000	S
+ 144798	Widerstand SMD 330,0kOhm ñ1%, 0,063W, 0603	1100		1,000	S
+ 144813	Widerstand SMD 51,0Ohm ñ1%, 0,063W, 0603	1110		2,000	S
+ 144821	PLL Synthesizer LMX 2325 National, TSSOP20	1120		1,000	S
+ 145121	ENH-MOSFET-P, SOT23	1130		1,000	S

Baugruppenst•ckliste f•r: 149694 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 5

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	Typ:BSS 84				
+ 145217	IC TLC272CD SO8	1140		1,000	S
	2-fach Operationsverst.				
+ 145224	Bipolarer Verst„rker	1150		3,000	S
	Typ:ERA-3SM				
+ 145821	Widerstand Poti SMD	1160		2,000	S
	20,0KOHM ñ20%				
+ 145822	Widerstand Poti SMD	1170		1,000	S
	5,0KOHM ñ20%				
+ 146089	Kondensator SMD 2,7pF	1180		2,000	S
	ñ0,25pF, 0603, NPO				
+ 146147	Kondensator SMD 3,3nF	1190		2,000	S
	ñ10%, 50V, 0603				
+ 146152	Kondensator SMD 5,6pF	1200		30,000	S
	50V, 0603				
+ 146693	Low Drop Regulator 3,3V	1210		1,000	S
	MIC5205-3,3BM5, 150mA,SMD				
+ 147180	IC SMD AD8307AR	1220		1,000	S
	DC-500MHz Log-Amp.				
+ 147205	PTC-Temperatursensor SMD	1230		1,000	S
	KTY-13-6 -50øC bis +150øC				
+ 148029	Kondensator SMD 8,2pF	1240		1,000	S
	50V, 0603				
+ 148265	Directional Coupler /00	1250		1,000	S
	10dB 5-500MHZ 50Ohm				
+ 148415	Spule SMD 22,0nH, ñ5%	1260		2,000	S
	0805 Accu-L 23,5/33@0,9GH				
+ 148416	Spule SMD 2,2nH, ñ5%	1270		1,000	S
	0805 Accu-L 2,3/72@2,4GHz				
+ 148422	NPN Silicon RF-Transistor	1280		1,000	S
	BFP420 SOT343-Marking AMs				
+ 148513	Low Drop Regulator SMD	1290		1,000	S
	MIC29152BU 1,5A TO-263				
+ 148516	Widerstand Poti SMD	1300		1,000	S
	50,0OHM ñ20% 0,25W				
+ 148621	Kondensator 10,0æF 20V	1310		1,000	S
	Baugr”áe C Elko-Tantal				
+ 148805	Kondensator SMD 220,0nF	1320		1,000	S
	ñ10%, 25V, 1206				
+ 148838	Widerstand SMD 43,0Ohm	1330		1,000	S
	ñ1%, 0,063W, 0603				
+ 148886	3dB Hybrid, 90ø, SMD	1340		1,000	S
	1800-2000MHz, Loss 3.0dB				
+ 149249	Platine best. 1377.1	1350		1,000	S
	WSt: FR4 1,0mm 35æm Cu				
	P1377B0B				
+ 149715	Widerstand SMD 75,0Ohm	1360		1,000	S
	ñ1%, 0,063W, 0603				
+ 150516	Filter R /00	1370		2,000	S
	P1298B0B				
+ 142979	Buchsenleiste, 4-polig	1380		4,000	S
	einreihig				
+ 142980	Buchsenleiste, 5-polig	1390		4,000	S
	einreihig				
	** Gesamtsumme Teile **			411,000	


TLA 0212
RF_IN
RF_OUT
Drain
Basic Module E-GSM
Basis Best.
MIKOM GmbH
Industriering 10
86675 Buchdorf
P 1358 S0 A
148472
1:1
A2
1998
31.08.98
LEHENBERG
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CDMA Basic Module Id.-No. 148704 P1358B2D

Designation	Type	Casing	Id.-No.	Function	Current [mA]	Voltage [V]
V1	ZMM5.1	MMELF_S	90134	Voltage Reference	1	5
V2	ZMM5.1	MMELF_S	90134	Voltage Reference	14	5
V3	BAR63-4	SOT23_C	140692	Attennuator	33	0.5
V4	BAR63-4	SOT23_C	140692	Attenuator	3	0.5
V5	ERA1SM	WW107_S	144378	RF amplifier	44	3.8
V7	MRF5812	SO8NB_C	140923	NPN Transistor	50	6
V8	LL4148	MMELF_C	15321	PN Diode	2.4	0.7
V10	BAR63-4	SOT23_C	140692	Attenuator	1.4	0.5
V11	ERA2SM	WW107_C	144379	amp	45	3.6
V12	SNA-586	SNA_C	143511	amp	68	5
V13	BAR63-4	SOT23_C	140692	Attenuator	1.4	0.5
V18	MSA-2111	SOT143_C	129114	amp	29	3.6
V19	BAR63-4	SOT23_C	140692	Attenuator	1.8	0.5
V28	BCX19	SOT23_S	23861	npn transistor	0.1	-
V32	BF999	SOT23_C	142943	mosfet transistor	-	-
V34	BF999	SOT23_C	142943	mosfet transistor	-	-
V36	AD 8307 AR	SO8NB_C	147180	op amp	-	-
V38	ERA3SM	WW107_C	145224	amplifier	35	3.6
V39	ERA3SM	WW107_C	145224	amplifier	35	3.6
V40	BCX19	SOT23_C	23861	npn transistor	2	0.7
V41	BFP420	SOT343A_C	148422	rf npn Trans	30	
V42	MA4ST083-287CK	SOT23_C	143829	varicap	0	5
V43	ERA3SM	WW107_C	145224	amplifier	32	3.6
V44	HSMP 3892	SOT23_C	148251	pin diode	4	0.5
V46	BCX17	SOT23_C	23663	pnp transistor	0.3	-
V50	BAR63-4	SOT23_C	140692	Attenuator	1.4	0.5
V51	BAR63-4	SOT23_C	140692	Attenuator	1.4	0.5
V52	BAR64-4	SOT23_C	140862	Attenuator	1.5	0.6
V54	BAR63-4	SOT23_C	140692	Attenuator	5	0.5
V55	BAR63-4	SOT23_C	140692	Attenuator	5	0.5
V56	BCX19	SOT23_S	23861	npn transistor	45	0.1
V57	BAS7004	SOT23_S	61440	schottky diode	0.05	0.5
V62	BCX19	SOT23_S	23861	npn transistor	1	-
V63	BSS131	SOT23_S	142304	mosfet n	1	-
V64	BCX19	SOT23_S	23861	npn transistor	3	-
V67	BSS84	SOT23_S	145121	mosfet p	70	-

Baugruppenst•ckliste f•r: 148704 Basic Module CDMA /01 1850-1910/1930-1990MHz
27.05.1999 3 Seite: 1

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
148704	Basic Module CDMA /01 1850-1910/1930-1990MHz G0828Z0C			1,000	S
+ 150830	Assembly drawing Basic Module G0828M2A	10		0,000	S
+ 149094	Assembly drawing module handle G0832M2A	20		0,000	S
+ 148557	Montagematerial	30		1,000	S
+ 148021	Platine best. 1358.1 WSt: FR4 P1358B2D	40		2,000	S
+ 144406	Platine roh 1238.1 WSt: FR4 P1238P0A	50		2,000	S
+ 149850	Detektor GSM 1800/PCS /00 -10..-30dBm P1385B0B	60		2,000	S
+ 117549	Spule SMD 22,0nH, ñ5% 1206 verg., Keramik-Kern	70		1,000	S
+ 131631	Kondensator SMD 0,5pF ñ0,25pF, 0603	80		1,000	S
+ 131649	Kondensator SMD 1,0pF ñ0,25pF, 0603	90		1,000	S
+ 131656	Kondensator SMD 1,2pF ñ0,25pF, 0603	100		2,000	S
+ 131664	Kondensator SMD 2,2pF ñ0,25pF, 0603, NPO	110		1,000	S
+ 131680	Kondensator SMD 10,0pF ñ0,25pF, 0603	120		1,000	S
+ 131706	Widerstand SMD 0,0Ohm ñ2%, 0,063W, 0603	130		2,000	S
+ 131763	Widerstand SMD 220,0Ohm ñ1%, 0,063W, 0603	140		1,000	S
+ 131797	Widerstand SMD 1,0kOhm ñ1%, 0,063W, 0603	150		1,000	S
+ 140380	Widerstand SMD 560,0Ohm ñ1%, 0,063W, 0603	160		1,000	S
+ 140381	Widerstand SMD 10,0Ohm ñ1%, 0,063W, 0603	170		1,000	S
+ 140455	Filter Freq.: 1960,0MHz	180		3,000	S
+ 140456	Filter Freq.: 1880,0MHz	190		3,000	S
+ 142573	Kondensator SMD 56,0pF 63,0V, 0603	200		1,000	S
+ 143290	Stiftleiste 12-p.2-reihig MTSW-106-08-L-D-0275	210		1,000	S
+ 144733	Kondensator SMD 1,5pF ñ5%, 50V, 0603, NPO	220		2,000	S
+ 144734	Kondensator SMD 3,3pF ñ5%, 50V, 0603, NPO	230		1,000	S
+ 144786	Widerstand SMD 5,6kOhm ñ1%, 0,063W, 0603	240		1,000	S
+ 146089	Kondensator SMD 2,7pF	250		1,000	S

Baugruppenst•ckliste f•r: 148704 Basic Module CDMA /01 1850-1910/1930-1990MHz
27.05.1999 3 Seite: 2

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	ñ0,25pF, 0603, NPO				
+ 148029	Kondensator SMD 8,2pF 50V, 0603	260		1,000	S
+ 148035	Kondensator SMD 3,9pF 50V, 0603	270		2,000	S
+ 148407	Spule SMD 3,9nH, ñ5% 0805 Accu-L 4,1/42@2,4GHz	280		1,000	S
+ 148521	Stiftleiste, 12-polig zweireihig, gerade	290		1,000	S
+ 148756	Isolator 1,930-1,990GHz Isolation: 15dB min. SMD	300		2,000	S
+ 148757	Isolator 1,850-1,910GHz Isolation: 15dB min SMD	310		2,000	S
+ 148894	Widerstand Poti SMD 100,0KOHM ñ20%	320		1,000	S
+ 149145	Spule SMD 1,8nH, ñ5% 0805 Accu-L 2,9/70@2,4GHz	330		1,000	S
+ 116004	Zylinderkopfschraube M2,0x4 DIN 912 Edelstahl	340		6,000	S
+ 14332	Unterlegscheibe f•r M2,0 DIN 125 A2 d:2,2	350		12,000	S
+ 147826	Label G0813AAA	360		0,000	S
+ 147817	Label G0813A1A	370		0,000	S
+ 60772	Etiketten "Warranty Void-If seal is	380		0,000	S
	** Gesamtsumme Teile **			62,000	

Baugruppenst•ckliste f•r: 148021 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 1

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
148021	Platine best. 1358.1 WSt: FR4 P1358B2D			1,000	S
+ 148473	Platine roh 1358.1 WSt: FR4 (1St.=0,5Nutzen) P1358P0A	10		1,000	S
+ 265	Widerstand SMD 68,0kOhm ñ5%, 0,125W, 0805	20		1,000	S
+ 7914	Widerstand SMD 0,0Ohm ñ5%, 0,125W, 0805	30		8,000	S
+ 7997	Widerstand SMD 8,2Ohm ñ5%, 0,125W, 0805	40		1,000	S
+ 8003	Widerstand SMD 10,0Ohm ñ5%, 0,125W, 0805	50		4,000	S
+ 8060	Widerstand SMD 18,0Ohm ñ5%, 0,125W, 0805	60		1,000	S
+ 8128	Widerstand SMD 33,0Ohm ñ5%, 0,125W, 0805	70		1,000	S
+ 8219	Widerstand SMD 82,0Ohm ñ5%, 0,125W, 0805	80		2,000	S
+ 8326	Widerstand SMD 240,0Ohm ñ5%, 0,125W, 0805	90		1,000	S
+ 8334	Widerstand SMD 270,0Ohm ñ5%, 0,125W, 0805	100		1,000	S
+ 8482	Widerstand SMD 1,0kOhm ñ5%, 0,125W, 0805	110		1,000	S
+ 8581	Widerstand SMD 4,7kOhm ñ5%, 0,125W, 0805	120		1,000	S
+ 8722	Widerstand SMD 0,0Ohm ñ5%, 0,25W, 1206	130		1,000	S
+ 8730	Widerstand SMD 10,0Ohm ñ5%, 0,25W, 1206	140		1,000	S
+ 8813	Widerstand SMD 62,0Ohm ñ5%, 0,25W, 1206	150		1,000	S
+ 8946	Widerstand SMD 3,3kOhm ñ5%, 0,25W, 1206	160		1,000	S
+ 9316	Widerstand SMD 82,0Ohm ñ5%, 0,25W, 1206	170		1,000	S
+ 11346	Kohleschicht-Widerstand bed 1,5kOhm ñ5% 0,2W 0204	180		2,000	S
+ 12344	Kondensator SMD 1,5pF ñ0,25pF, 0805	190		1,000	S
+ 12351	Kondensator SMD 1,0pF ñ0,25pF, 50V, 0805	200		1,000	S
+ 12377	Kondensator SMD 2,2pF ñ0,25pF, 0805	210		1,000	S
+ 12419	Kondensator SMD 5,6pF ñ0,25pF, 50V, 0805	220		3,000	S
+ 12435	Kondensator SMD 10,0pF ñ0,25pF, 100V, 0805	230		2,000	S
+ 15321	Universaldiode SMD LL4148 100,0V, 150mA, MiniMELF	240		1,000	S
+ 23663	Bipolarer Transistor PNP Typ:BCX17 100,0MHz	250		1,000	S
+ 23861	Bipolarer Transistor NPN Typ:BCX19 150,0MHz	260		5,000	S
+ 31971	IC-Spannungsregler	270		1,000	S

Baugruppenst•ckliste f•r: 148021 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 2

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	LM350T 1,25-33V 3A				
+ 33837	Kondensator SMD 10,0nF ñ10%, 63V, 0805	280		1,000	S
+ 39651	Kondensator SMD 33,0pF ñ5%, 50V, 1206	290		1,000	S
+ 42010	Spule SMD 100,0nH, ñ5% 1206 verg., Keramik-Kern	300		1,000	S
+ 42036	Spule SMD 1500,0nH, ñ5% 1206 verg., Ferrit-Kern	310		1,000	S
+ 46607	Kondensator SMD 1,0nF ñ5%, 50V, 1206	320		3,000	S
+ 61440	Schottky-Diode SMD BAS 70-04 -70,0V SOT-23	330		1,000	S
+ 62877	Spule SMD 1000,0nH, ñ5% 1206 verg., Keramik-Kern	340		1,000	S
+ 66175	Kondensator SMD 1,0nF ñ5%, 50V, 0805	350		3,000	S
+ 68650	Widerstand SMD 2,2kOhm ñ5%, 0,25W, 1206	360		1,000	S
+ 74179	Widerstand SMD 100,0Ohm ñ5%, 0,125W, 0805	370		2,000	S
+ 75655	Spule SMD 330,0nH, ñ5% 1206 verg., Keramik-Kern	380		13,000	S
+ 75820	Widerstand SMD 10,0kOhm ñ5%, 0,125W, 0805	390		4,000	S
+ 75903	Widerstand SMD 100,0kOhm ñ5%, 0,25W, 1206	400		1,000	S
+ 76471	Widerstand SMD 1,6kOhm ñ5%, 0,125W, 0805	410		1,000	S
+ 79681	Widerstand SMD 1,2kOhm ñ5%, 0,125W, 0805	420		2,000	S
+ 87148	Widerstand SMD 27,0kOhm ñ5%, 0,125W, 0805	430		1,000	S
+ 88518	Kondensator SMD 100,0nF ñ20%, 63,0V, 1206	440		1,000	S
+ 90134	Zenerdiode SMD ZMM5,1 5,1V, 0,5W, MiniMELF	450		2,000	S
+ 90332	Kondensator 6,8pF ñ0,25pF/50V/0603/NPO	460		2,000	S
+ 91181	Kondensator SMD 470,0nF 25V, 1210	470		1,000	S
+ 94037	Kondensator SMD 100,0pF 50V, 0603	480		5,000	S
+ 99440	Kondensator 10,0æF SMD ñ10%, 25V Tantal Elko	490		2,000	S
+ 101246	Widerstand SMD 22,0Ohm ñ5%, 0,25W, 1206	500		1,000	S
+ 113332	Kondensator SMD 0,5pF ñ25%, 50V, 0805	510		1,000	S
+ 117549	Spule SMD 22,0nH, ñ5% 1206 verg., Keramik-Kern	520		4,000	S
+ 117564	Spule SMD 82,0nH, ñ5% 1206 verg., Keramik-Kern	530		1,000	S
+ 118653	MMS-Buchse 50,0Ohm	540		3,000	S
+ 120543	Kondensator 1,0æF 25V, Baugr”áe A	550		4,000	S
+ 129114	Bipolarer Verst„rker	560		1,000	S

Baugruppenst•ckliste f•r: 148021 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 3

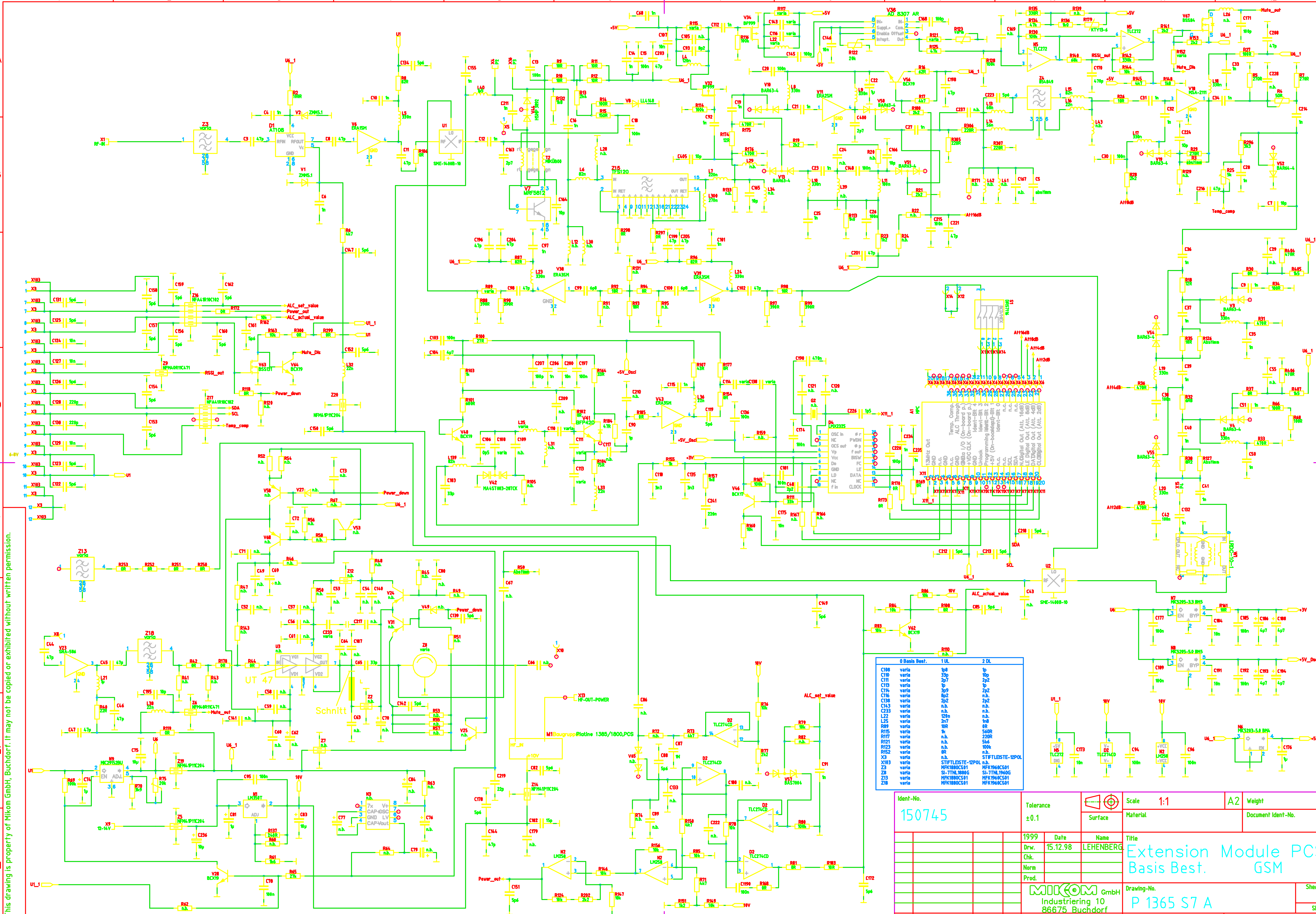
Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	Typ:MSA-2111 TR-1				
+ 131672	Kondensator SMD 47,0pF ñ5%, 0603	570		22,000	S
+ 131680	Kondensator SMD 10,0pF ñ0,25pF, 0603	580		3,000	S
+ 131698	Kondensator SMD 1,0nF ñ5%, 0603 COG/NPO	590		37,000	S
+ 131706	Widerstand SMD 0,0Ohm ñ2%, 0,063W, 0603	600		21,000	S
+ 131714	Widerstand SMD 12,0Ohm ñ1%, 0,063W, 0603	610		1,000	S
+ 131722	Widerstand SMD 18,0Ohm ñ1%, 0,063W, 0603	620		2,000	S
+ 131748	Widerstand SMD 100,0Ohm ñ1%, 0,063W, 0603	630		4,000	S
+ 131797	Widerstand SMD 1,0kOhm ñ1%, 0,063W, 0603	640		3,000	S
+ 131805	Widerstand SMD 1,8kOhm ñ1%, 0,063W, 0603	650		3,000	S
+ 131813	Widerstand SMD 2,2kOhm ñ1%, 0,063W, 0603	660		7,000	S
+ 131847	Widerstand SMD 10,0kOhm ñ1%, 0,063W, 0603	670		12,000	S
+ 131854	Widerstand SMD 100,0kOhm ñ1%, 0,063W, 0603	680		6,000	S
+ 133496	Kondensator SMD 33,0pF ñ0,25pF, 0805	690		1,000	S
+ 133835	OP-Single Supply LM258D SO-8 2 Systeme	700		1,000	S
+ 140381	Widerstand SMD 10,0Ohm ñ1%, 0,063W, 0603	710		2,000	S
+ 140691	Filter NFA 41R10C102	720		2,000	S
+ 140692	Pindiode SMD BAR63-04 SOT-23	730		9,000	S
+ 140862	Pindiode SMD BAR64-04 SOT-23	740		1,000	S
+ 140915	Mischer SME1400B-10 1,0-2500,0MHz, ñ10dBm	750		2,000	S
+ 140923	Bipolarer Transistor Typ:MRF5812 5,0GHz SMD	760		1,000	S
+ 141598	IC TLC274CD SO14 4-fach Operationsverst.	770		1,000	S
+ 141957	Filter NFM 41P11C204	780		4,000	S
+ 141958	Filter NFM 40R11C471	790		2,000	S
+ 142131	Buchsenleiste, 20-polig einreihig SMD	800		2,000	S
+ 142275	Kondensator 4,7æF SMD 10V, Elko-Tantal	810		5,000	S
+ 142304	ENH-MOSFET-N Typ:BSS 131 GEG	820		1,000	S
+ 142562	Kondensator SMD 100,0nF 16,0V, 0603, ñ10%	830		7,000	S
+ 142582	Kondensator SMD 470pF 63,0V, 0603, NPO	840		1,000	S
+ 142715	Widerstand SMD 470,0Ohm ñ1%, 0,063W, 0603	850		6,000	S
+ 142799	šbertrager 1:1	860		1,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	f•r MRF581 G0699Z3A				
+ 142943	DEPL MOSFET-N Transistor Typ: BF999 300 MHz	870		2,000	S
+ 143511	GaAs-Verst„rker SNA-586 DC-3,0GHz, SMD-Bauform	880		1,000	S
+ 143767	Kondensator SMD 100,0nF ñ10%, 50V, 0805	890		15,000	S
+ 143829	Varactordiode SMD MA4ST083CK-287 SOT-23	900		1,000	S
+ 144025	Buchsenleiste, 3-polig einreihig SMD	910		2,000	S
+ 144026	Kodierschalter DRS 7116 HEX-Codierung, invers	920		1,000	S
+ 144066	Widerstand SMD 2,4kOhm ñ1%, 0,063W, 0603	930		1,000	S
+ 144115	Kondensator SMD 10,0nF 63V, 0603	940		9,000	S
+ 144116	Kondensator SMD 220pF 63V, 0603, NPO	950		2,000	S
+ 144121	Kondensator SMD 15pF 63V, 0603, NPO	960		1,000	S
+ 144127	Widerstand SMD 47kOhm ñ1%, 0,063W, 0603	970		2,000	S
+ 144128	Widerstand SMD 33kOhm ñ1%, 0,063W, 0603	980		1,000	S
+ 144183	Low Drop Regulator 5V/00 MIC5203-5V, 80mA, Micrel	990		1,000	S
+ 144184	Low Drop Regulator 5V/00 MIC5205-5V, 150mA, Micrel	1000		1,000	S
+ 144185	Variabel Attenuator AT108,40dB,0-5V,SO8 MACOM	1010		1,000	S
+ 144378	Bipolarer Verst„rker Typ:ERA-1-SM-TR	1020		1,000	S
+ 144379	Bipolarer Verst„rker Typ:ERA-2-SM-TR	1030		1,000	S
+ 144735	Kondensator SMD 22,0pF ñ5%, 50V, 0603, NPO	1040		1,000	S
+ 144736	Kondensator SMD 33,0pF ñ5%, 50V, 0603, NPO	1050		2,000	S
+ 144768	Widerstand SMD 6,8Ohm ñ1%, 0,063W, 0603	1060		1,000	S
+ 144772	Widerstand SMD 27,0Ohm ñ1%, 0,063W, 0603	1070		1,000	S
+ 144778	Widerstand SMD 150,0Ohm ñ1%, 0,063W, 0603	1080		1,000	S
+ 144779	Widerstand SMD 330,0Ohm ñ1%, 0,063W, 0603	1090		1,000	S
+ 144780	Widerstand SMD 390,0Ohm ñ1%, 0,063W, 0603	1100		4,000	S
+ 144781	Widerstand SMD 680,0Ohm ñ1%, 0,063W, 0603	1110		1,000	S
+ 144784	Widerstand SMD 3,9kOhm ñ1%, 0,063W, 0603	1120		1,000	S
+ 144785	Widerstand SMD 4,7kOhm ñ1%, 0,063W, 0603	1130		5,000	S
+ 144798	Widerstand SMD 330,0kOhm	1140		1,000	S

Baugruppenst•ckliste f•r: 148021 Platine best. 1358.1 WSt: FR4
01.06.1999 3 Seite: 5

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	ñ1%, 0,063W, 0603				
+ 144813	Widerstand SMD 51,0Ohm ñ1%, 0,063W, 0603	1150		2,000	S
+ 144821	PLL Synthesizer LMX 2325 National, TSSOP20	1160		1,000	S
+ 145121	ENH-MOSFET-P, SOT23 Typ:BSS 84	1170		1,000	S
+ 145217	IC TLC272CD SO8 2-fach Operationsverst.	1180		1,000	S
+ 145224	Bipolarer Verst„rker Typ:ERA-3SM	1190		3,000	S
+ 145821	Widerstand Poti SMD 20,0KOHM ñ20%	1200		2,000	S
+ 145822	Widerstand Poti SMD 5,0KOHM ñ20%	1210		1,000	S
+ 146089	Kondensator SMD 2,7pF ñ0,25pF, 0603, NPO	1220		2,000	S
+ 146147	Kondensator SMD 3,3nF ñ10%, 50V, 0603	1230		2,000	S
+ 146152	Kondensator SMD 5,6pF 50V, 0603	1240		30,000	S
+ 146693	Low Drop Regulator 3,3V MIC5205-3,3BM5, 150mA,SMD	1250		1,000	S
+ 147180	IC SMD AD8307AR DC-500MHz Log-Amp.	1260		1,000	S
+ 147205	PTC-Temperatursensor SMD KTY-13-6 -50øC bis +150øC	1270		1,000	S
+ 148029	Kondensator SMD 8,2pF 50V, 0603	1280		1,000	S
+ 148251	Doppel PIN-Diode HSMP3892 SOT-23	1290		1,000	S
+ 148265	Directional Coupler /00 10dB 5-500MHZ 50Ohm	1300		1,000	S
+ 148414	Spule SMD 18,0nH, ñ5% 0805 Accu-L 18,8/37@0,9GH	1310		1,000	S
+ 148415	Spule SMD 22,0nH, ñ5% 0805 Accu-L 23,5/33@0,9GH	1320		2,000	S
+ 148416	Spule SMD 2,2nH, ñ5% 0805 Accu-L 2,3/72@2,4GHz	1330		1,000	S
+ 148422	NPN Silicon RF-Transistor BFP420 SOT343-Marking AMs	1340		1,000	S
+ 148513	Low Drop Regulator SMD MIC29152BU 1,5A TO-263	1350		1,000	S
+ 148516	Widerstand Poti SMD 50,0OHM ñ20% 0,25W	1360		1,000	S
+ 148621	Kondensator 10,0æF 20V Baugr”áe C Elko-Tantal	1370		1,000	S
+ 148805	Kondensator SMD 220,0nF ñ10%, 25V, 1206	1380		1,000	S
+ 148808	SAW Filter 855544/00 bw1,23MHz fc240MHz	1390		2,000	S
+ 148838	Widerstand SMD 43,0Ohm ñ1%, 0,063W, 0603	1400		1,000	S
+ 148886	3dB Hybrid, 90ø, SMD 1800-2000MHz, Loss 3.0dB	1410		1,000	S
+ 149249	Platine best. 1377.1	1420		1,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	WSt: FR4 1,0mm 35æm Cu P1377B0B				
+ 149715	Widerstand SMD 75,0Ohm ñ1%, 0,063W, 0603	1430		1,000	S
+ 67041	Kontaktstreifen Form Y Oberfl„che: verzinnt	1440		0,040	M
+ 142979	Buchsenleiste, 4-polig einreihig	1450		4,000	S
+ 142980	Buchsenleiste, 5-polig einreihig	1460		4,000	S
	** Gesamtsumme Teile **			417,040	



	0 Basis Best.	1 UL	2 DL
C108	varia	1p8	1p
C110	varia	33p	10p
C111	varia	2p7	2p2
C113	varia	1p	1p
C114	varia	3p9	2p2
C116	varia	8p2	n.b.
C138	varia	2p2	2p2
C143	varia	n.b.	n.b.
C233	varia	n.b.	n.b.
L22	varia	120n	n.b.
L25	varia	2n7	1n8
R89	varia	10R	0R
R115	varia	1k	560R
R117	varia	n.b.	220R
R121	varia	n.b.	5k6
R123	varia	n.b.	100k
R152	varia	0R	n.b.
X3	varia	n.b.	STIFTLEISTE-12POL
X103	varia	STIFTLEISTE-12POL	n.b.
Z3	varia	MFK1880CS01	MFK1960CS01
Z8	varia	SI-7TNL1880G	SI-7TNL1960G
Z13	varia	MFK1880CS01	MFK1960CS01
Z18	varia	MFK1880CS01	MFK1960CS01

Ident-No. 150745	Tolerance ±0.1	Surface	Scale 1:1	A2	Weight kg
			Material	Document Ident-No.
1999	Date	Name	Title	
Drw.	15.12.98	LEHENBERG	Extension Module PCS 1900 Basis Best. GSM	
Chk.				
Norm				
Prod.				
MIKOM GmbH Industriering 10 86675 Buchdorf			Drawing-No. P 1365 S7 A	Sheet / Shts.
Cond. / Modification / Date / Name	Origin		Repl. for	Repl. by

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Designation	Type	Casing	Id.-No.	Function	Current [mA]	Voltage [V]
V1	ZMM5.1	MMELF_S	90134	voltage reference	1	5
V2	ZMM5.1	MMELF_S	90134	voltage reference	14	5
V3	BAR63-4	SOT23_C	140692	attenuator	3	0.5
V4	BAR63-4	SOT23_C	140692	attenuator	3	0.5
V6	ERA1SM	WW107_S	144378	amplifier	44	3.8
V7	MRF5812	SO8NB_C	140923	npn transistor	50	6
V8	LL4148	MMELF_C	15321	pn diode	2.4	0.7
V10	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V11	ERA2SM	WW107_C	144379	amplifier	45	3.6
V13	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V18	MSA-2111	SOT143_C	129114	amplifier	29	3.6
V19	BAR63-4	SOT23_C	140692	attenuator	1.8	0.5
V23	SNA-586	SNA_C	143511	amplifier	68	5
V24	n.b.	SOT23_S				
V25	n.b.	SOT23_S				
V27	n.b.	MMELF_S				
V28	BCX19	SOT23_S	23861	npn transistor	0.1	-
V31	n.b.	SOT23_S				
V32	BF999	SOT23_C	142943	mosfet transistor	-	-
V34	BF999	SOT23_C	142943	mosfet transistor	-	-
V36	AD 8307 AR	SO8NB_C	147180	op amp	-	-
V38	ERA3SM	WW107_C	145224	amplifier	35	3.6
V39	ERA3SM	WW107_C	145224	amplifier	35	3.6
V40	BCX19	SOT23_C	23861	npn transistor	2	0.7
V41	BFP420	SOT343A_C	148422	rf npn transistor	30	
V42	MA4ST083-287CK	SOT23_C	143829	varicap	0	5
V43	ERA3SM	WW107_C	145224	amplifier	32	3.6
V44	HSMP 3892	SOT23_C	148251	pin diode	4	0.5
V46	BCX17	SOT23_C	23663	pnp transistor	0.3	-
V49	n.b.	MMELF_S				
V50	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V51	BAR63-4	SOT23_C	140692	attenuator	1.4	0.5
V52	BAR64-4	SOT23_C	140862	attenuator	1.5	0.6
V53	n.b.	SOT23_S				
V54	BAR63-4	SOT23_C	140692	attenuator	5	0.5
V55	BAR63-4	SOT23_C	140692	attenuator	5	0.5
V56	BCX19	SOT23_S	23861	npn transistor	45	0.1
V57	BAS7004	SOT23_S	61440	schottky diode	0.05	0.5
V58	n.b.	SOT23_S				
V62	BCX19	SOT23_S	23861	npn transistor	1	-
V63	BSS131	SOT23_S	142304	mosfet n	1	-
V64	BCX19	SOT23_S	23861	npn transistor	3	-
V65	n.b.	SOT23_C				
V67	BSS84	SOT23_S	145121	mosfet p	70	-
V68	n.b.	SOT23_S				

Baugruppenst•ckliste f•r: 148705 Extension Module /00 1850-1910/1930-1990MHz GSM
27.05.1999 3 Seite: 1

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
148705	Extension Module /00 1850-1910/1930-1990MHz G0832Z0D			1,000	S
+ 148878	Assembly drawing G0832M1E	10		0,000	S
+ 149094	Assembly drawing module handle G0832M2A	20		0,000	S
+ 148889	Montagematerial	30		1,000	S
+ 150622	Platine roh 1388.2 WSt: FR4 1,5mm Cu:35æm P1388P0B	40		2,000	S
+ 150745	Platine best. 1365.1 WSt: FR4 P1365B7A	50		2,000	S
+ 149850	Detektor GSM 1800/PCS /00 -10..-30dBm P1385B0B	60		2,000	S
+ 117572	Spule SMD 120,0nH, ñ5% 1206 verg., Keramik-Kern	70		1,000	S
+ 131649	Kondensator SMD 1,0pF ñ0,25pF, 0603	80		3,000	S
+ 131656	Kondensator SMD 1,2pF ñ0,25pF, 0603	90		4,000	S
+ 131680	Kondensator SMD 10,0pF ñ0,25pF, 0603	100		1,000	S
+ 131706	Widerstand SMD 0,0Ohm ñ2%, 0,063W, 0603	110		2,000	S
+ 131763	Widerstand SMD 220,0Ohm ñ1%, 0,063W, 0603	120		1,000	S
+ 131797	Widerstand SMD 1,0kOhm ñ1%, 0,063W, 0603	130		1,000	S
+ 140380	Widerstand SMD 560,0Ohm ñ1%, 0,063W, 0603	140		1,000	S
+ 140381	Widerstand SMD 10,0Ohm ñ1%, 0,063W, 0603	150		1,000	S
+ 140455	Filter Freq.: 1960,0MHz	160		3,000	S
+ 140456	Filter Freq.: 1880,0MHz	170		3,000	S
+ 143290	Stiftleiste 12-p.2-reihig MTSW-106-08-L-D-0275	180		1,000	S
+ 144295	Spule SMD 2,7nH, ñ0,3nH Typ 2012 High Frequenz	190		1,000	S
+ 144736	Kondensator SMD 33,0pF ñ5%, 50V, 0603, NPO	200		1,000	S
+ 144786	Widerstand SMD 5,6kOhm ñ1%, 0,063W, 0603	210		1,000	S
+ 146089	Kondensator SMD 2,7pF ñ0,25pF, 0603, NPO	220		1,000	S
+ 148029	Kondensator SMD 8,2pF 50V, 0603	230		1,000	S
+ 148035	Kondensator SMD 3,9pF 50V, 0603	240		1,000	S
+ 148501	Kondensator SMD 1,8pF	250		1,000	S

	1p8 5% 50V NPO 0603			
+ 148521	Stiftleiste, 12-polig	260		1,000 S

Baugruppenst•ckliste f•r: 148705 Extension Module /00 1850-1910/1930-1990MHz GSM

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	zweireihig, gerade				
+ 148756	Isolator 1,930-1,990GHz	270		1,000	S
	Isolation: 15dB min. SMD				
+ 148757	Isolator 1,850-1,910GHz	280		1,000	S
	Isolation: 15dB min SMD				
+ 148894	Widerstand Poti SMD	290		1,000	S
	100,0KOHM ñ20%				
+ 149145	Spule SMD 1,8nH, ñ5%	300		1,000	S
	0805 Accu-L 2,9/70@2,4GHz				
+ 116004	Zylinderkopfschraube	310		4,000	S
	M2,0x4 DIN 912 Edelstahl				
+ 14332	Unterlegscheibe f•r M2,0	320		8,000	S
	DIN 125 A2 d:2,2				
+ 147823	Label	330		0,000	S
	G0813A7A				
+ 60772	Etiketten	340		0,000	S
	"Warranty Void-If seal is				
	** Gesamtsumme Teile **			53,000	

Baugruppenst•ckliste f•r: 150745 Platine best. 1365.1 WSt: FR4
01.06.1999 3 Seite: 1

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
150745	Platine best. 1365.1 WSt: FR4 P1365B7A			1,000	S
+ 148658	Platine roh 1365.1 WSt: FR4 (1St.=0,5Nutzen) P1365P0B	10		1,000	S
+ 265	Widerstand SMD 68,0kOhm ñ5%, 0,125W, 0805	20		1,000	S
+ 7914	Widerstand SMD 0,0Ohm ñ5%, 0,125W, 0805	30		7,000	S
+ 7997	Widerstand SMD 8,2Ohm ñ5%, 0,125W, 0805	40		1,000	S
+ 8003	Widerstand SMD 10,0Ohm ñ5%, 0,125W, 0805	50		4,000	S
+ 8060	Widerstand SMD 18,0Ohm ñ5%, 0,125W, 0805	60		1,000	S
+ 8128	Widerstand SMD 33,0Ohm ñ5%, 0,125W, 0805	70		1,000	S
+ 8219	Widerstand SMD 82,0Ohm ñ5%, 0,125W, 0805	80		2,000	S
+ 8326	Widerstand SMD 240,0Ohm ñ5%, 0,125W, 0805	90		1,000	S
+ 8334	Widerstand SMD 270,0Ohm ñ5%, 0,125W, 0805	100		3,000	S
+ 8482	Widerstand SMD 1,0kOhm ñ5%, 0,125W, 0805	110		1,000	S
+ 8581	Widerstand SMD 4,7kOhm ñ5%, 0,125W, 0805	120		1,000	S
+ 8722	Widerstand SMD 0,0Ohm ñ5%, 0,25W, 1206	130		1,000	S
+ 8730	Widerstand SMD 10,0Ohm ñ5%, 0,25W, 1206	140		1,000	S
+ 8813	Widerstand SMD 62,0Ohm ñ5%, 0,25W, 1206	150		1,000	S
+ 8946	Widerstand SMD 3,3kOhm ñ5%, 0,25W, 1206	160		1,000	S
+ 9316	Widerstand SMD 82,0Ohm ñ5%, 0,25W, 1206	170		1,000	S
+ 11346	Kohleschicht-Widerstand bed 1,5kOhm ñ5% 0,2W 0204	180		2,000	S
+ 12344	Kondensator SMD 1,5pF ñ0,25pF, 0805	190		1,000	S
+ 12351	Kondensator SMD 1,0pF ñ0,25pF, 50V, 0805	200		1,000	S
+ 12377	Kondensator SMD 2,2pF ñ0,25pF, 0805	210		1,000	S
+ 12419	Kondensator SMD 5,6pF ñ0,25pF, 50V, 0805	220		2,000	S
+ 12435	Kondensator SMD 10,0pF ñ0,25pF, 100V, 0805	230		1,000	S
+ 12492	Kondensator SMD 2,7pF ñ0,25pF, 63V, 0805	240		1,000	S
+ 15321	Universaldiode SMD LL4148 100,0V, 150mA, MiniMELF	250		1,000	S
+ 23663	Bipolarer Transistor PNP Typ:BCX17 100,0MHz	260		1,000	S
+ 23861	Bipolarer Transistor NPN	270		5,000	S

Baugruppenst•ckliste f•r: 150745 Platine best. 1365.1 WSt: FR4
01.06.1999 3 Seite: 2

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	Typ:BCX19 150,0MHz				
+ 31971	IC-Spannungsregler LM350T 1,25-33V 3A	280		1,000	S
+ 33837	Kondensator SMD 10,0nF ñ10%, 63V, 0805	290		1,000	S
+ 39602	Kondensator SMD 10,0pF ñ0,25pF, 50V, 1206	300		1,000	S
+ 42010	Spule SMD 100,0nH, ñ5% 1206 verg., Keramik-Kern	310		1,000	S
+ 42036	Spule SMD 1500,0nH, ñ5% 1206 verg., Ferrit-Kern	320		1,000	S
+ 46607	Kondensator SMD 1,0nF ñ5%, 50V, 1206	330		2,000	S
+ 51078	Spule SMD 68,0nH, ñ5% 1206 verg., Keramik-Kern	340		1,000	S
+ 56168	Spule SMD 270,0nH, ñ5% 1206 verg., Keramik-Kern	350		1,000	S
+ 58446	Spule SMD 220,0nH, ñ5% 1206 verg., Keramik-Kern	360		1,000	S
+ 61440	Schottky-Diode SMD BAS 70-04 -70,0V SOT-23	370		1,000	S
+ 62877	Spule SMD 1000,0nH, ñ5% 1206 verg., Keramik-Kern	380		1,000	S
+ 66175	Kondensator SMD 1,0nF ñ5%, 50V, 0805	390		3,000	S
+ 68650	Widerstand SMD 2,2kOhm ñ5%, 0,25W, 1206	400		1,000	S
+ 70318	Spule SMD 56,0nH, ñ5% 1206 verg., Keramik-Kern	410		1,000	S
+ 74179	Widerstand SMD 100,0Ohm ñ5%, 0,125W, 0805	420		2,000	S
+ 75655	Spule SMD 330,0nH, ñ5% 1206 verg., Keramik-Kern	430		12,000	S
+ 75820	Widerstand SMD 10,0kOhm ñ5%, 0,125W, 0805	440		4,000	S
+ 75903	Widerstand SMD 100,0kOhm ñ5%, 0,25W, 1206	450		1,000	S
+ 76471	Widerstand SMD 1,6kOhm ñ5%, 0,125W, 0805	460		1,000	S
+ 79681	Widerstand SMD 1,2kOhm ñ5%, 0,125W, 0805	470		2,000	S
+ 87148	Widerstand SMD 27,0kOhm ñ5%, 0,125W, 0805	480		1,000	S
+ 88518	Kondensator SMD 100,0nF ñ20%, 63,0V, 1206	490		2,000	S
+ 90134	Zenerdiode SMD ZMM5,1 5,1V, 0,5W, MiniMELF	500		2,000	S
+ 90332	Kondensator 6,8pF ñ0,25pF/50V/0603/NPO	510		2,000	S
+ 91181	Kondensator SMD 470,0nF 25V, 1210	520		1,000	S
+ 94037	Kondensator SMD 100,0pF 50V, 0603	530		5,000	S
+ 99440	Kondensator 10,0æF SMD ñ10%, 25V Tantal Elko	540		2,000	S
+ 101246	Widerstand SMD 22,0Ohm	550		1,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	ñ5%, 0,25W, 1206				
+ 117549	Spule SMD 22,0nH, ñ5% 1206 verg., Keramik-Kern	560		3,000	S
+ 117564	Spule SMD 82,0nH, ñ5% 1206 verg., Keramik-Kern	570		2,000	S
+ 117572	Spule SMD 120,0nH, ñ5% 1206 verg., Keramik-Kern	580		1,000	S
+ 118653	MMS-Buchse 50,0Ohm	590		3,000	S
+ 120543	Kondensator 1,0æF 25V, Baugr"áe A	600		4,000	S
+ 129114	Bipolarer Verst„rker Typ:MSA-2111 TR-1	610		1,000	S
+ 131631	Kondensator SMD 0,5pF ñ0,25pF, 0603	620		1,000	S
+ 131672	Kondensator SMD 47,0pF ñ5%, 0603	630		20,000	S
+ 131680	Kondensator SMD 10,0pF ñ0,25pF, 0603	640		5,000	S
+ 131698	Kondensator SMD 1,0nF ñ5%, 0603 COG/NPO	650		35,000	S
+ 131706	Widerstand SMD 0,0Ohm ñ2%, 0,063W, 0603	660		20,000	S
+ 131714	Widerstand SMD 12,0Ohm ñ1%, 0,063W, 0603	670		2,000	S
+ 131722	Widerstand SMD 18,0Ohm ñ1%, 0,063W, 0603	680		2,000	S
+ 131730	Widerstand SMD 47,0Ohm ñ1%, 0,063W, 0603	690		1,000	S
+ 131748	Widerstand SMD 100,0Ohm ñ1%, 0,063W, 0603	700		4,000	S
+ 131763	Widerstand SMD 220,0Ohm ñ1%, 0,063W, 0603	710		3,000	S
+ 131797	Widerstand SMD 1,0kOhm ñ1%, 0,063W, 0603	720		3,000	S
+ 131805	Widerstand SMD 1,8kOhm ñ1%, 0,063W, 0603	730		3,000	S
+ 131813	Widerstand SMD 2,2kOhm ñ1%, 0,063W, 0603	740		7,000	S
+ 131847	Widerstand SMD 10,0kOhm ñ1%, 0,063W, 0603	750		12,000	S
+ 131854	Widerstand SMD 100,0kOhm ñ1%, 0,063W, 0603	760		6,000	S
+ 133835	OP-Single Supply LM258D SO-8 2 Systeme	770		1,000	S
+ 140341	SAW Filter 854849/00 bw200kHz(1dB) fc120MHz	780		1,000	S
+ 140381	Widerstand SMD 10,0Ohm ñ1%, 0,063W, 0603	790		3,000	S
+ 140691	Filter NFA 41R10C102	800		2,000	S
+ 140692	Pindiode SMD BAR63-04 SOT-23	810		9,000	S
+ 140862	Pindiode SMD BAR64-04 SOT-23	820		1,000	S
+ 140915	Mischer SME1400B-10 1,0-2500,0MHz, ñ10dBm	830		2,000	S
+ 140923	Bipolarer Transistor	840		1,000	S

Baugruppenst•ckliste f•r: 150745 Platine best. 1365.1 WSt: FR4
01.06.1999 3 Seite: 4

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	Typ:MRF5812 5,0GHz SMD				
+ 141598	IC TLC274CD SO14	850		1,000	S
	4-fach Operationsverst.				
+ 141950	SAW Filter TFS120/00	860		1,000	S
	bw200kHz(1dB) fc120MHz				
+ 141957	Filter NFM 41P11C204	870		4,000	S
+ 141958	Filter NFM 40R11C471	880		2,000	S
+ 142131	Buchsenleiste, 20-polig	890		2,000	S
	einreihig SMD				
+ 142275	Kondensator 4,7æF SMD	900		5,000	S
	10V, Elko-Tantal				
+ 142304	ENH-MOSFET-N	910		1,000	S
	Typ:BSS 131 GEG				
+ 142562	Kondensator SMD 100,0nF	920		7,000	S
	16,0V, 0603, ñ10%				
+ 142582	Kondensator SMD 470pF	930		1,000	S
	63,0V, 0603, NPO				
+ 142715	Widerstand SMD 470,0Ohm	940		8,000	S
	ñ1%, 0,063W, 0603				
+ 142799	šbertrager 1:1	950		1,000	S
	f•r MRF581				
	G0699Z3A				
+ 142943	DEPL MOSFET-N Transistor	960		2,000	S
	Typ: BF999 300 MHz				
+ 143511	GaAs-Verst„rker SNA-586	970		1,000	S
	DC-3,0GHz, SMD-Bauform				
+ 143767	Kondensator SMD 100,0nF	980		15,000	S
	ñ10%, 50V, 0805				
+ 143829	Varactordiode SMD	990		1,000	S
	MA4ST083CK-287 SOT-23				
+ 144025	Buchsenleiste, 3-polig	1000		2,000	S
	einreihig SMD				
+ 144026	Kodierschalter DRS 7116	1010		1,000	S
	HEX-Codierung, invers				
+ 144066	Widerstand SMD 2,4kOhm	1020		1,000	S
	ñ1%, 0,063W, 0603				
+ 144115	Kondensator SMD 10,0nF	1030		9,000	S
	63V, 0603				
+ 144116	Kondensator SMD 220pF	1040		2,000	S
	63V, 0603, NPO				
+ 144121	Kondensator SMD 15pF	1050		1,000	S
	63V, 0603, NPO				
+ 144127	Widerstand SMD 47kOhm	1060		2,000	S
	ñ1%, 0,063W, 0603				
+ 144128	Widerstand SMD 33kOhm	1070		1,000	S
	ñ1%, 0,063W, 0603				
+ 144183	Low Drop Regulator 5V/00	1080		1,000	S
	MIC5203-5V, 80mA, Micrel				
+ 144184	Low Drop Regulator 5V/00	1090		1,000	S
	MIC5205-5V, 150mA, Micrel				
+ 144185	Variabel Attenuator	1100		1,000	S
	AT108,40dB,0-5V,SO8 MACOM				
+ 144378	Bipolarer Verst„rker	1110		1,000	S
	Typ:ERA-1-SM-TR				
+ 144379	Bipolarer Verst„rker	1120		1,000	S
	Typ:ERA-2-SM-TR				
+ 144735	Kondensator SMD 22,0pF	1130		1,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	ñ5%, 50V, 0603, NPO				
+ 144736	Kondensator SMD 33,0pF	1140		2,000	S
	ñ5%, 50V, 0603, NPO				
+ 144768	Widerstand SMD 6,8Ohm	1150		1,000	S
	ñ1%, 0,063W, 0603				
+ 144772	Widerstand SMD 27,0Ohm	1160		1,000	S
	ñ1%, 0,063W, 0603				
+ 144778	Widerstand SMD 150,0Ohm	1170		1,000	S
	ñ1%, 0,063W, 0603				
+ 144779	Widerstand SMD 330,0Ohm	1180		1,000	S
	ñ1%, 0,063W, 0603				
+ 144780	Widerstand SMD 390,0Ohm	1190		4,000	S
	ñ1%, 0,063W, 0603				
+ 144781	Widerstand SMD 680,0Ohm	1200		1,000	S
	ñ1%, 0,063W, 0603				
+ 144784	Widerstand SMD 3,9kOhm	1210		1,000	S
	ñ1%, 0,063W, 0603				
+ 144785	Widerstand SMD 4,7kOhm	1220		5,000	S
	ñ1%, 0,063W, 0603				
+ 144798	Widerstand SMD 330,0kOhm	1230		1,000	S
	ñ1%, 0,063W, 0603				
+ 144821	PLL Synthesizer LMX 2325	1240		1,000	S
	National, TSSOP20				
+ 145121	ENH-MOSFET-P, SOT23	1250		1,000	S
	Typ:BSS 84				
+ 145217	IC TLC272CD SO8	1260		1,000	S
	2-fach Operationsverst.				
+ 145224	Bipolarer Verst„rker	1270		3,000	S
	Typ:ERA-3SM				
+ 145821	Widerstand Poti SMD	1280		2,000	S
	20,0KOHM ñ20%				
+ 145822	Widerstand Poti SMD	1290		1,000	S
	5,0KOHM ñ20%				
+ 146089	Kondensator SMD 2,7pF	1300		1,000	S
	ñ0,25pF, 0603, NPO				
+ 146147	Kondensator SMD 3,3nF	1310		2,000	S
	ñ10%, 50V, 0603				
+ 146152	Kondensator SMD 5,6pF	1320		30,000	S
	50V, 0603				
+ 146693	Low Drop Regulator 3,3V	1330		1,000	S
	MIC5205-3,3BM5, 150mA,SMD				
+ 147180	IC SMD AD8307AR	1340		1,000	S
	DC-500MHz Log-Amp.				
+ 147205	PTC-Temperatursensor SMD	1350		1,000	S
	KTY-13-6 -50øC bis +150øC				
+ 148029	Kondensator SMD 8,2pF	1360		1,000	S
	50V, 0603				
+ 148037	Spule SMD 82,0nH, ñ5%	1370		1,000	S
	0805 verg., Keramik-Kern				
+ 148251	Doppel PIN-Diode	1380		1,000	S
	HSMP3892 SOT-23				
+ 148415	Spule SMD 22,0nH, ñ5%	1390		2,000	S
	0805 Accu-L 23,5/33@0,9GH				
+ 148422	NPN Silicon RF-Transistor	1400		1,000	S
	BFP420 SOT343-Marking AMs				
+ 148513	Low Drop Regulator SMD	1410		1,000	S

Baugruppenst•ckliste f•r: 150745 Platine best. 1365.1 WSt: FR4
01.06.1999 3 Seite: 6

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
	MIC29152BU 1,5A TO-263				
+ 148516	Widerstand Poti SMD 50,0OHM ñ20% 0,25W	1420		1,000	S
+ 148621	Kondensator 10,0æF 20V Baugr"áe C Elko-Tantal	1430		1,000	S
+ 148805	Kondensator SMD 220,0nF ñ10%, 25V, 1206	1440		1,000	S
+ 148838	Widerstand SMD 43,0Ohm ñ1%, 0,063W, 0603	1450		1,000	S
+ 149249	Platine best. 1377.1 WSt: FR4 1,0mm 35æm Cu P1377B0B	1460		1,000	S
+ 149715	Widerstand SMD 75,0Ohm ñ1%, 0,063W, 0603	1470		1,000	S
+ 67041	Kontaktstreifen Form Y Oberfl„che: verzinnt	1480		0,040	M
+ 142979	Buchsenleiste, 4-polig einreihig	1490		4,000	S
+ 142980	Buchsenleiste, 5-polig einreihig	1500		4,000	S
	** Gesamtsumme Teile **			419,040	