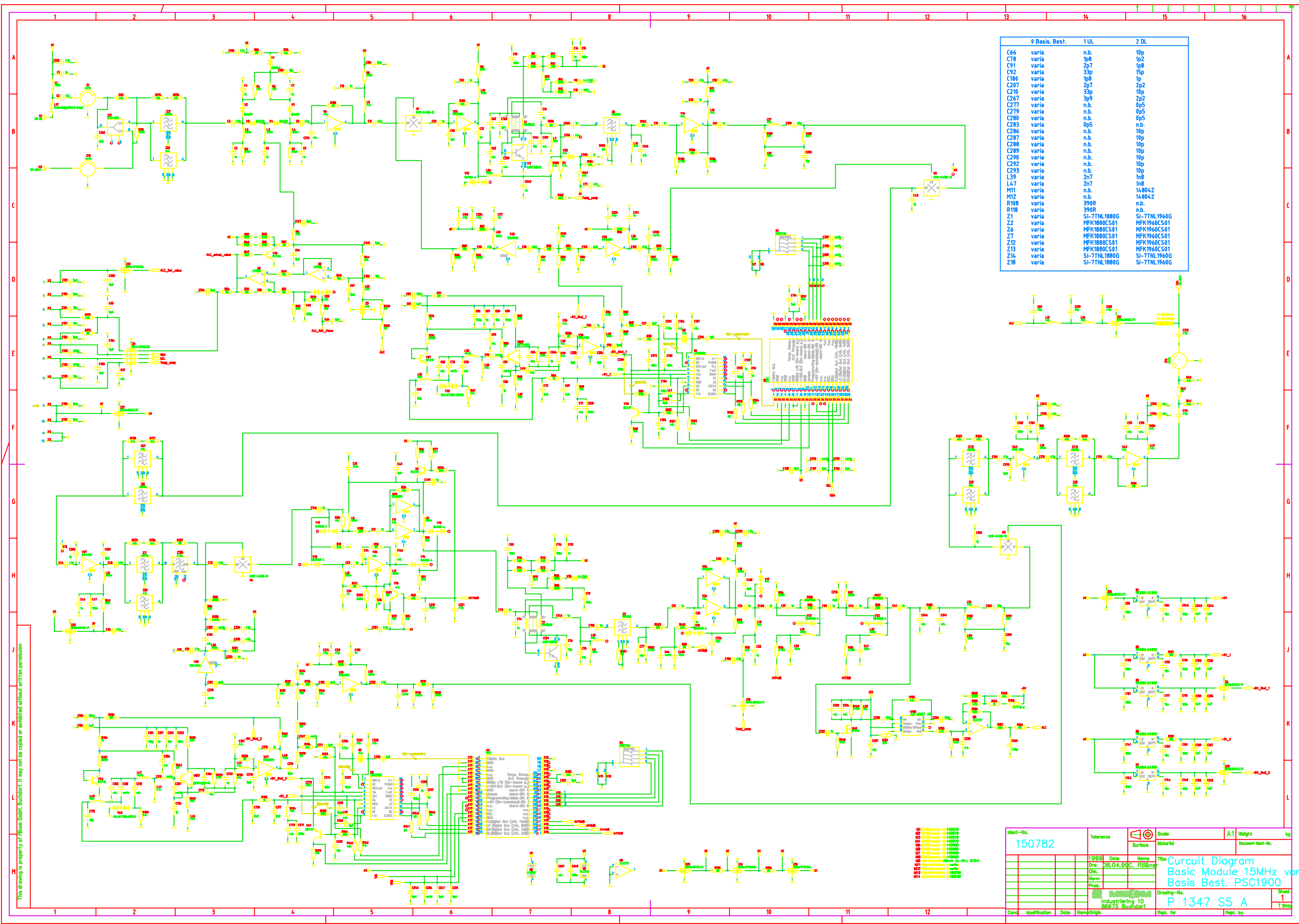




0 Basis. Best.	1 UL	2 DL
C66 varia	n.b.	10p
C78 varia	1p8	1p2
C91 varia	2p7	1p8
C92 varia	33p	15p
C180 varia	1p8	1p
C207 varia	2p7	2p2
C210 varia	33p	10p
C267 varia	3p9	2p2
C277 varia	n.b.	0p5
C279 varia	n.b.	0p5
C280 varia	n.b.	0p5
C283 varia	0p5	n.b.
C286 varia	n.b.	10p
C287 varia	n.b.	10p
C288 varia	n.b.	10p
C289 varia	n.b.	10p
C290 varia	n.b.	10p
C292 varia	n.b.	10p
C293 varia	n.b.	10p
L39 varia	2n7	1n8
L47 varia	2n7	1n8
M11 varia	n.b.	148042
M12 varia	n.b.	148042
R108 varia	390R	n.b.
R118 varia	390R	n.b.
Z1 varia	SI-7TNL1880G	SI-7TNL1960G
Z2 varia	MFK1880CS01	MFK1960CS01
Z6 varia	MFK1880CS01	MFK1960CS01
Z7 varia	MFK1880CS01	MFK1960CS01
Z13 varia	MFK1880CS01	MFK1960CS01
Z14 varia	SI-7TNL1880G	SI-7TNL1960G
Z18 varia	SI-7TNL1880G	SI-7TNL1960G

Ident.-No.
150782

Tolerance
Surface

Scale
Material

A1 Weight
Document Ident.-No.

1999 Date
Drz. DB.04.99C. R88ne

Name
Chk.

Norm.
Prod.

Industriering 10
88675 Buchdorf

Curcuit Diagram
Basic Module 15MHz variable
Basis Best. PSC1900

Drawing-No.
P 1347 S5 A

Sheet
1
1 Shts

Comp. 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_C	90134	voltage reference	6	2.5
V2	BA679	MMELF_S	41715	attenuator	3	0.6
V3	BA679	MMELF_S	41715	attenuator	3	0.6
V4	BA679	MMELF_S	41715	attenuator	10	0.6
V5	BA679	MMELF_S	41715	attenuator	10	0.6
V7	MRF5812	SO8NB_C	140923	npn transistor	65	6.2
V8	LL4148	MMELF_S	15321	pn diode	3	0.7
V9	BCX19	SOT23_S	23861	npn transistor	44	0.1
V10	BAR63-4	SOT23_C	140692	attenuator	1	0.5
V12	BAR63-4	SOT23_C	140692	attenuator	1.6	0.5
V13	BAR63-4	SOT23_C	140692	attenuator	1	0.5
V15	BAR63-4	SOT23_C	140692	attenuator	1.6	0.5
V18	BCX56	SOT89_S	81539	transistor	70	
V19	BAR63-4	SOT23_C	140692	attenuator	1	0.5
V20	ERA2SM	WW107_C	144379	amplifier	46	3.6
V21	BAR63-4	SOT23_C	140692	attenuator	4	0.5
V22	BAR63-4	SOT23_C	140692	attenuator	4	0.5
V23	BCX17	SOT23_C	23663	pn transistor	0.3	-
V25	ERA3SM	WW107_C	145224	amplifier	37	3.6
V26	ERA2SM	WW107_C	144379	amplifier	46	3.6
V27	ERA1SM	WW107_C	144378	amplifier	44	3.8
V29	ERA3SM	WW107_C	145224	amplifier	37	3.6
V30	ERA3SM	WW107_C	145224	amplifier	37	3.6
V31	ERA3SM	WW107_C	145224	amplifier	37	3.6
V32	MA4ST083-287CK	SOT23_C	143829	varicap	0	5
V34	MRF5812	SO8NB_C	140923	npn transistor	65	6.2
V35	LL4148	MMELF_S	15321	pn diode		
V37	BCX19	SOT23_C	23861	npn transistor	2.5	0.7
V39	ERA3SM	WW107_C	145224	amplifier	33	3.6
V41	BCX17	SOT23_C	23663	pn transistor	0.3	-
V42	SNA-586	WW107_C	143511	amplifier	73	5
V43	MA4ST083-287CK	SOT23_C	143829	varicap	0	5
V44	BCX19	SOT23_C	23861	npn transistor	2.5	0.7
V45	ERA2SM	WW107_C	144379	amplifier	44	3.6
V47	ERA3SM	WW107_C	145224	amplifier	33	3.6
V48	BF999	SOT23_C	142943	mosfet transistor	3	0.7
V49	AD 8307 AR	SO8NB_C	147180	op amp	-	-
V50	BFP420	SOT343A_C	148422	rf npn transistor	30	
V51	BAR64-4	SOT23_C	140862	attenuator	1	0.6
V52	BFP420	SOT343A_C	148422	rf npn transistor	30	

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
148714	Basic Module var. BW /00 1850-1910/1930-1990MHz G0818Z1A			1,000	S
+ 148020	Assembly drawing Conversion Module G0818M0C	10		0,000	S
+ 148009	Montagematerial	20		1,000	S
+ 150782	Platine best. 1347.2 WSt: FR4 P1347B5A	30		2,000	S
+ 12435	Kondensator SMD 10,0pF ñ0,25pF, 100V, 0805	40		1,000	S
+ 39602	Kondensator SMD 10,0pF ñ0,25pF, 50V, 1206	50		1,000	S
+ 113332	Kondensator SMD 0,5pF ñ25%, 50V, 0805	60		1,000	S
+ 131631	Kondensator SMD 0,5pF ñ0,25pF, 0603	70		3,000	S
+ 131649	Kondensator SMD 1,0pF ñ0,25pF, 0603	80		1,000	S
+ 131656	Kondensator SMD 1,2pF ñ0,25pF, 0603	90		1,000	S
+ 131664	Kondensator SMD 2,2pF ñ0,25pF, 0603, NPO	100		2,000	S
+ 131680	Kondensator SMD 10,0pF ñ0,25pF, 0603	110		7,000	S
+ 140455	Filter Freq.: 1960,0MHz	120		5,000	S
+ 140456	Filter Freq.: 1880,0MHz	130		5,000	S
+ 144121	Kondensator SMD 15pF 63V, 0603, NPO	140		1,000	S
+ 148405	Spule SMD 2,7nH, ñ5% 0805 Accu-L 2,9/70@2,4GHz	150		2,000	S
+ 144736	Kondensator SMD 33,0pF ñ5%, 50V, 0603, NPO	160		2,000	S
+ 144780	Widerstand SMD 390,00hm ñ1%, 0,063W, 0603	170		2,000	S
+ 146089	Kondensator SMD 2,7pF ñ0,25pF, 0603, NPO	180		2,000	S
+ 148035	Kondensator SMD 3,9pF 50V, 0603	190		1,000	S
+ 148042	Haube G0819B0B	200		2,000	S
+ 148501	Kondensator SMD 1,8pF 1p8 5% 50V NPO 0603	210		3,000	S
+ 148756	Isolator 1,930-1,990GHz Isolation: 15dB min. SMD	220		3,000	S
+ 148757	Isolator 1,850-1,910GHz Isolation: 15dB min SMD	230		3,000	S
+ 149145	Spule SMD 1,8nH, ñ5% 0805 Accu-L 2,9/70@2,4GHz	240		2,000	S
** Gesamtsumme Teile **				53,000	

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
150782	Platine best. 1347.2 WSt: FR4 P1347B5A			1,000	S
+ 147942	Platine roh 1347.2 1 St. Platine=0,5 Nutzen P1347P0D	10		1,000	S
+ 7914	Widerstand SMD 0,00hm ñ5%, 0,125W, 0805	20		5,000	S
+ 8003	Widerstand SMD 10,00hm ñ5%, 0,125W, 0805	30		2,000	S
+ 8060	Widerstand SMD 18,00hm ñ5%, 0,125W, 0805	40		1,000	S
+ 8078	Widerstand SMD 20,00hm ñ5%, 0,125W, 0805	50		4,000	S
+ 8128	Widerstand SMD 33,00hm ñ5%, 0,125W, 0805	60		2,000	S
+ 8144	Widerstand SMD 43,00hm ñ5%, 0,125W, 0805	70		1,000	S
+ 8169	Widerstand SMD 51,00hm ñ5%, 0,125W, 0805	80		1,000	S
+ 8227	Widerstand SMD 91,00hm ñ5%, 0,125W, 0805	90		2,000	S
+ 8276	Widerstand SMD 150,00hm ñ5%, 0,125W, 0805	100		2,000	S
+ 8417	Widerstand SMD 510,00hm ñ5%, 0,125W, 0805	110		2,000	S
+ 8722	Widerstand SMD 0,00hm ñ5%, 0,25W, 1206	120		8,000	S
+ 8789	Widerstand SMD 33,00hm ñ5%, 0,25W, 1206	130		1,000	S
+ 8847	Widerstand SMD 120,00hm ñ5%, 0,25W, 1206	140		1,000	S
+ 8896	Widerstand SMD 470,00hm ñ5%, 0,25W, 1206	150		2,000	S
+ 9316	Widerstand SMD 82,00hm ñ5%, 0,25W, 1206	160		5,000	S
+ 9803	Widerstand SMD 100,00hm ñ5%, 0,25W, 1206	170		8,000	S
+ 12344	Kondensator SMD 1,5pF ñ0,25pF, 0805	180		2,000	S
+ 12351	Kondensator SMD 1,0pF ñ0,25pF, 50V, 0805	190		3,000	S
+ 12377	Kondensator SMD 2,2pF ñ0,25pF, 0805	200		2,000	S
+ 15321	Universaldiode SMD LL4148 100,0V, 150mA, MiniMELF	210		2,000	S
+ 23663	Bipolarer Transistor PNP Typ:BCX17 100,0MHz	220		2,000	S
+ 23861	Bipolarer Transistor NPN Typ:BCX19 150,0MHz	230		3,000	S
+ 41715	Pindiode BA679 30,0V, 0,050A, MiniMELF	240		4,000	S
+ 42010	Spule SMD 100,0nH, ñ5% 1206 verg., Keramik-Kern	250		2,000	S
+ 68650	Widerstand SMD 2,2kOhm ñ5%, 0,25W, 1206	270		1,000	S
+ 68841	Widerstand SMD 1,2kOhm	280		1,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
+ 75655	±5%, 0,25W, 1206 Spule SMD 330,0nH, ±5% 1206 verg., Keramik-Kern	290		17,000	S
+ 81539	Bipolarer Transistor Typ:BCX56 40,0-250,0MHz	300		1,000	S
+ 90134	Zenerdiode SMD ZMM5,1 5,1V, 0,5W, MiniMELF	320		1,000	S
+ 90332	Kondensator 6,8pF ±0,25pF/50V/0603/NPO	330		5,000	S
+ 91181	Kondensator SMD 470,0nF 25V, 1210	340		2,000	S
+ 94037	Kondensator SMD 100,0pF 50V, 0603	350		6,000	S
+ 94573	Widerstand SMD 12,00hm ±5%, 0,25W, 1206	360		1,000	S
+ 113332	Kondensator SMD 0,5pF ±25%, 50V, 0805	370		4,000	S
+ 117549	Spule SMD 22,0nH, ±5% 1206 verg., Keramik-Kern	380		2,000	S
+ 117564	Spule SMD 82,0nH, ±5% 1206 verg., Keramik-Kern	390		2,000	S
+ 118653	MMS-Buchse 50,00hm	400		3,000	S
+ 120543	Kondensator 1,0µF 25V, Baugröße A	410		1,000	S
+ 131631	Kondensator SMD 0,5pF ±0,25pF, 0603	420		2,000	S
+ 131649	Kondensator SMD 1,0pF ±0,25pF, 0603	430		5,000	S
+ 131664	Kondensator SMD 2,2pF ±0,25pF, 0603, NPO	440		3,000	S
+ 131672	Kondensator SMD 47,0pF ±5%, 0603	450		35,000	S
+ 131680	Kondensator SMD 10,0pF ±0,25pF, 0603	460		7,000	S
+ 131698	Kondensator SMD 1,0nF ±5%, 0603 COG/NPO	470		54,000	S
+ 131706	Widerstand SMD 0,00hm ±2%, 0,063W, 0603	480		23,000	S
+ 131714	Widerstand SMD 12,00hm ±1%, 0,063W, 0603	490		1,000	S
+ 131722	Widerstand SMD 18,00hm ±1%, 0,063W, 0603	500		8,000	S
+ 131730	Widerstand SMD 47,00hm ±1%, 0,063W, 0603	510		3,000	S
+ 131748	Widerstand SMD 100,00hm ±1%, 0,063W, 0603	520		3,000	S
+ 131797	Widerstand SMD 1,0k0hm ±1%, 0,063W, 0603	530		5,000	S
+ 131805	Widerstand SMD 1,8k0hm ±1%, 0,063W, 0603	540		4,000	S
+ 131813	Widerstand SMD 2,2k0hm ±1%, 0,063W, 0603	550		3,000	S
+ 131839	Widerstand SMD 6,8k0hm ±1%, 0,063W, 0603	560		1,000	S
+ 131847	Widerstand SMD 10,0k0hm ±1%, 0,063W, 0603	570		8,000	S
+ 131854	Widerstand SMD 100,0k0hm	580		5,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
+ 133835	ñ1%, 0,063W, 0603 OP-Single Supply LM258D SO-8 2 Systeme	590		1,000	S
+ 140380	Widerstand SMD 560,00hm ñ1%, 0,063W, 0603	600		2,000	S
+ 140381	Widerstand SMD 10,00hm ñ1%, 0,063W, 0603	610		6,000	S
+ 140691	Filter NFA 41R10C102	620		1,000	S
+ 140692	Pindiode SMD BAR63-04 SOT-23	630		7,000	S
+ 140862	Pindiode SMD BAR64-04 SOT-23	640		1,000	S
+ 140915	Mischer SME1400B-10 1,0-2500,0MHz, ñ10dBm	650		4,000	S
+ 140923	Bipolarer Transistor Typ:MRF5812 5,0GHz SMD	660		2,000	S
+ 141957	Filter NFM 41P11C204	670		3,000	S
+ 141958	Filter NFM 40R11C471	680		8,000	S
+ 142131	Buchsenleiste, 20-polig einreihig SMD	690		4,000	S
+ 142275	Kondensator 4,7µF SMD 10V, Elko-Tantal	700		12,000	S
+ 142562	Kondensator SMD 100,0nF 16,0V, 0603, ñ10%	710		36,000	S
+ 142582	Kondensator SMD 470pF 63,0V, 0603, NPO	720		1,000	S
+ 142715	Widerstand SMD 470,00hm ñ1%, 0,063W, 0603	730		4,000	S
+ 142799	šbertrager 1:1 f•r MRF581 G0699Z3A	740		2,000	S
+ 142943	DEPL MOSFET-N Transistor Typ: BF999 300 MHz	750		1,000	S
+ 142979	Buchsenleiste, 4-polig einreihig	760		4,000	S
+ 142980	Buchsenleiste, 5-polig einreihig	770		4,000	S
+ 143290	Stiftleiste 12-p.2-reihig MTSW-106-08-L-D-0275	780		1,000	S
+ 143511	GaAs-Verst•rker SNA-586 DC-3,0GHz, SMD-Bauform	790		1,000	S
+ 143829	Varactordiode SMD MA4ST083CK-287 SOT-23	800		2,000	S
+ 144025	Buchsenleiste, 3-polig einreihig SMD	810		4,000	S
+ 144026	Kodierschalter DRS 7116 HEX-Codierung, invers	820		2,000	S
+ 144066	Widerstand SMD 2,4k0hm ñ1%, 0,063W, 0603	830		2,000	S
+ 144115	Kondensator SMD 10,0nF 63V, 0603	840		13,000	S
+ 144116	Kondensator SMD 220pF 63V, 0603, NPO	850		3,000	S
+ 144121	Kondensator SMD 15pF 63V, 0603, NPO	860		1,000	S
+ 144125	Widerstand SMD 22,00hm	870		2,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
+ 144127	±1%, 0,063W, 0603 Widerstand SMD 47kOhm	880		2,000	S
+ 144128	±1%, 0,063W, 0603 Widerstand SMD 33kOhm	890		3,000	S
+ 144184	±1%, 0,063W, 0603 Low Drop Regulator 5V/00	900		3,000	S
+ 144378	MIC5205-5V, 150mA, Micrel Bipolarer Verstärker	920		1,000	S
+ 144379	Typ:ERA-1-SM-TR Bipolarer Verstärker	930		3,000	S
+ 144700	Typ:ERA-2-SM-TR SAW Filter 851308/00	940		2,000	S
+ 144733	bw15MHz fc 134MHz Kondensator SMD 1,5pF	950		1,000	S
+ 144736	±5%, 50V, 0603, NPO Kondensator SMD 33,0pF	960		2,000	S
+ 144778	±5%, 50V, 0603, NPO Widerstand SMD 150,00hm	970		1,000	S
+ 144779	±1%, 0,063W, 0603 Widerstand SMD 330,00hm	980		1,000	S
+ 144780	±1%, 0,063W, 0603 Widerstand SMD 390,00hm	990		6,000	S
+ 144781	±1%, 0,063W, 0603 Widerstand SMD 680,00hm	1000		3,000	S
+ 144784	±1%, 0,063W, 0603 Widerstand SMD 3,9kOhm	1010		1,000	S
+ 144785	±1%, 0,063W, 0603 Widerstand SMD 4,7kOhm	1020		1,000	S
+ 144792	±1%, 0,063W, 0603 Widerstand SMD 68,0kOhm	1030		1,000	S
+ 144813	±1%, 0,063W, 0603 Widerstand SMD 51,00hm	1040		4,000	S
+ 144821	±1%, 0,063W, 0603 PLL Synthesizer LMX 2325	1050		2,000	S
+ 145217	National, TSSOP20 IC TLC272CD S08	1060		1,000	S
+ 145224	2-fach Operationsverst. Bipolarer Verstärker	1070		6,000	S
+ 145821	Typ:ERA-3SM Widerstand Poti SMD	1080		1,000	S
+ 146089	20,0KOHM ±20% Kondensator SMD 2,7pF	1090		1,000	S
+ 146147	±0,25pF, 0603, NPO Kondensator SMD 3,3nF	1100		4,000	S
+ 146152	±10%, 50V, 0603 Kondensator SMD 5,6pF	1110		28,000	S
+ 146645	50V, 0603 2-Way-Splitter STH-03R	1120		1,000	S
+ 146693	SMD,1,5-1,9GHz, 500hm Low Drop Regulator 3,3V	1130		2,000	S
+ 147180	MIC5205-3,3BM5, 150mA, SMD IC SMD AD8307AR	1140		1,000	S
+ 147205	DC-500MHz Log-Amp. PTC-Temperatursensor SMD	1150		1,000	S
+ 147991	KTY-13-6 -50°C bis +150°C Spule SMD 100,0nH, ±5%	1160		4,000	S

Artikelnummer	Artikelbezeichnung	Pos.	Bemerkung	Anzahl	ME
+ 148031	0805 verg., Keramik-Kern Kondensator SMD 39pF 63V, 0603	1170		2,000	S
+ 148037	Spule SMD 82,0nH, 5%	1180		2,000	S
+ 148415	0805 verg., Keramik-Kern Spule SMD 22,0nH, 5%	1190		4,000	S
+ 148422	0805 Accu-L 23,5/33@0,9GH NPN Silicon RF-Transistor	1200		2,000	S
+ 148805	BFP420 SOT343-Marking AMS Kondensator SMD 220,0nF	1210		2,000	S
+ 148838	10%, 25V, 1206 Widerstand SMD 43,00hm	1220		1,000	S
+ 149249	1%, 0,063W, 0603 Platine best. 1377.1 WSt: FR4 1,0mm 35µm Cu P1377B0B	1230		2,000	S
+ 149715	Widerstand SMD 75,00hm 1%, 0,063W, 0603	1240		2,000	S
+ 150781	Abschirmblech 11mm G0819B1B	1250		2,000	S
+ 67041	Kontaktstreifen Form Y Oberfläche: verzinkt	1260		0,040	M
** Gesamtsumme Teile **				525,040	