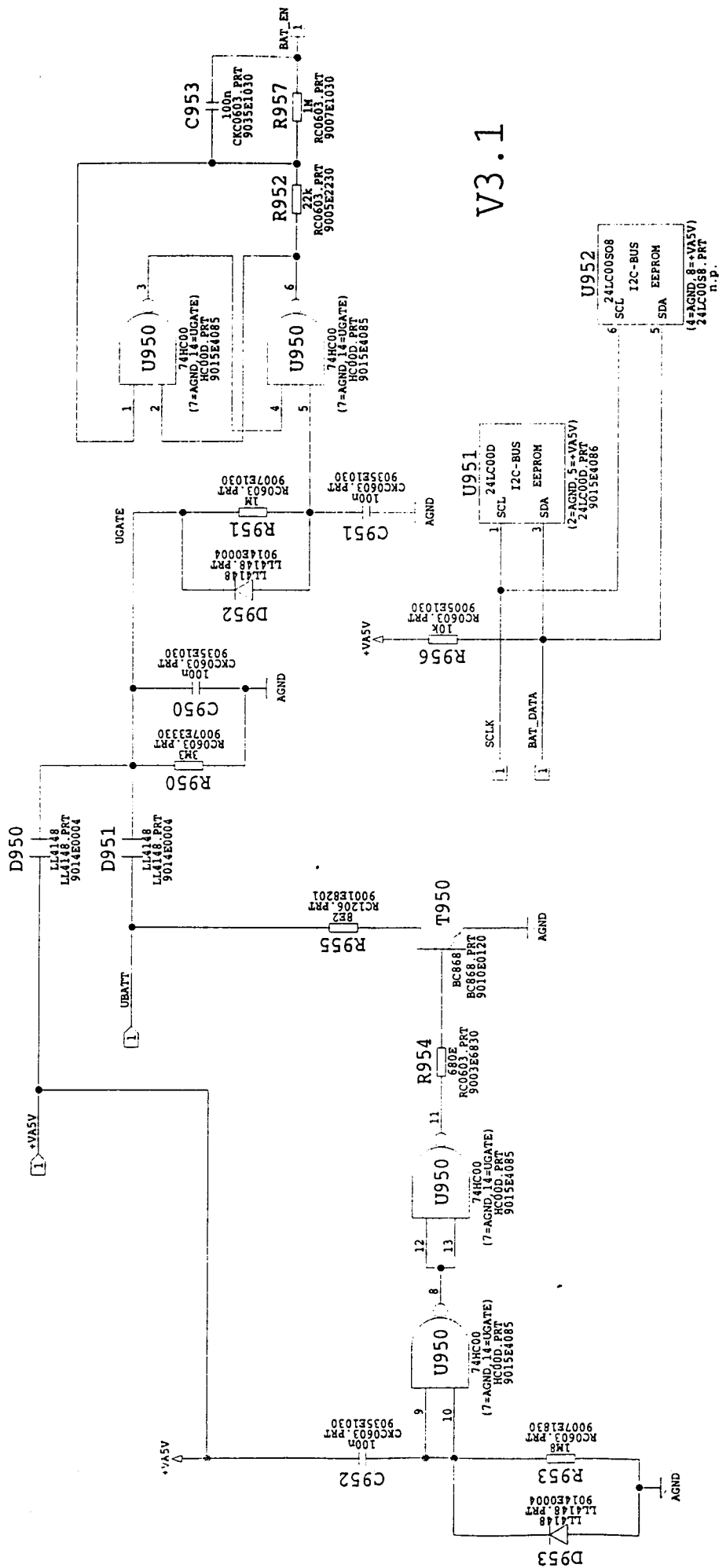


HT/PT 61 and **HT/PT81** subprint (converts a 60 or 80 unit to a to 61 or 81)

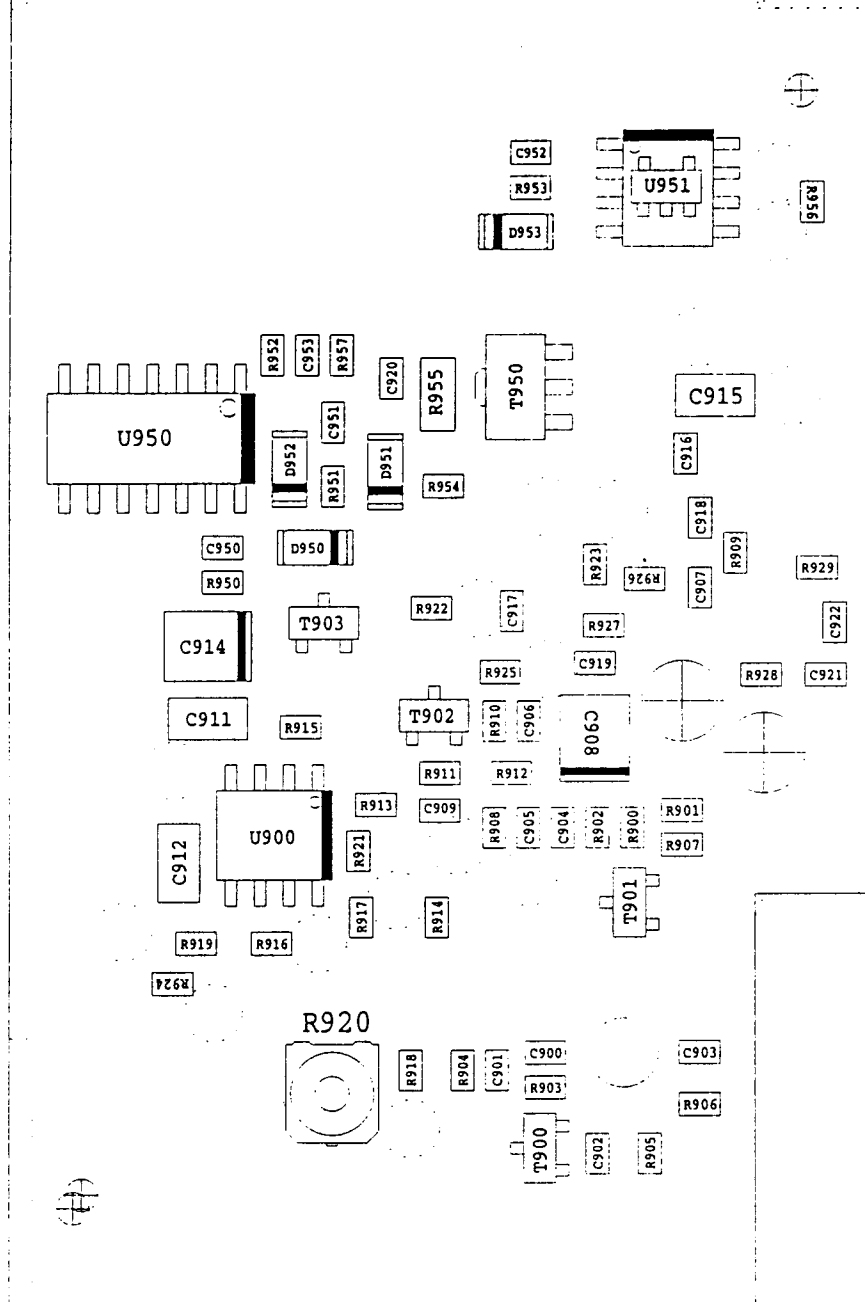
T900 and T901 forms a low power oscillator to generate the pilot tone. Its frequency is determined by Q900, a 32,767 kHz crystal. The oscillator is designed to produce a sine-wave at the output. T902 acts as an AM- stage where the pilot tone is amplitude-modulated by the controller (located on the base-print). R909 and C907/C906 reduce the slewrate of the digital input from the controller. T902 operates as a shunt-switch with R908 and R911 to produce the amplitude modulation. C909 couples the modulated pilot-tone to a bandpassfilter, which eliminates audible interferences. The bandpass is formed by U900 and T903 and is adjusted with R920 to 32,767 kHz. C915 removes the DC-voltage and with R923 the pilot tone is added to the audio-signal.

For an improved battery-indication U951 contains an EEPROM (U952 is the electrically identical alternative to U951 in an S0 8 package). Here the controller stores data for programm running. The transfer is organized by IIC-bus protocol. U950 and R951-C951, R952, C953 and R957 form a battery-change-indicator. When the batteries are changed, the controller reads this information on portpin BAT_EN. U950 and its passive parts are the battery checking unit, T950 and R955 bypass the battery (for 0.3sec.) to increase the current to determine the type of battery inserted (NiCd or NiMH or alkaline).

"PT 61"



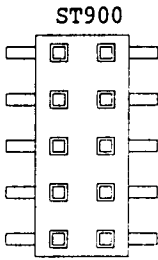
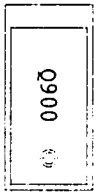
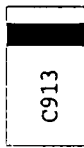
File : 27813BAT.SCH	Konstr. : 9XXXXX	XX	9XXXXX	9XXXXX
Filegroesse :	Labor : 981126	WZ		
Filedatum :	Geprueft : 9XXXXX	XX		
XXX XXXX200...	Datum	Name	Aenderung	Mittelg. Nr.
Getaet : AKG Code	AKG AKUSTISCHE-u. KINOGERAETE			
Erstverwendung des Teils	GES. N. B. N. 1230 WIEN, LINDBERGMASSE 21-25			
Erstz fuer:	FREIGABE M-Nr. ---			
Ersetzt durch:	AKG - Code			
PT61/81 Subprint			2781 Sch x	
			Besteht aus 2 Blatt / Blatt 2	



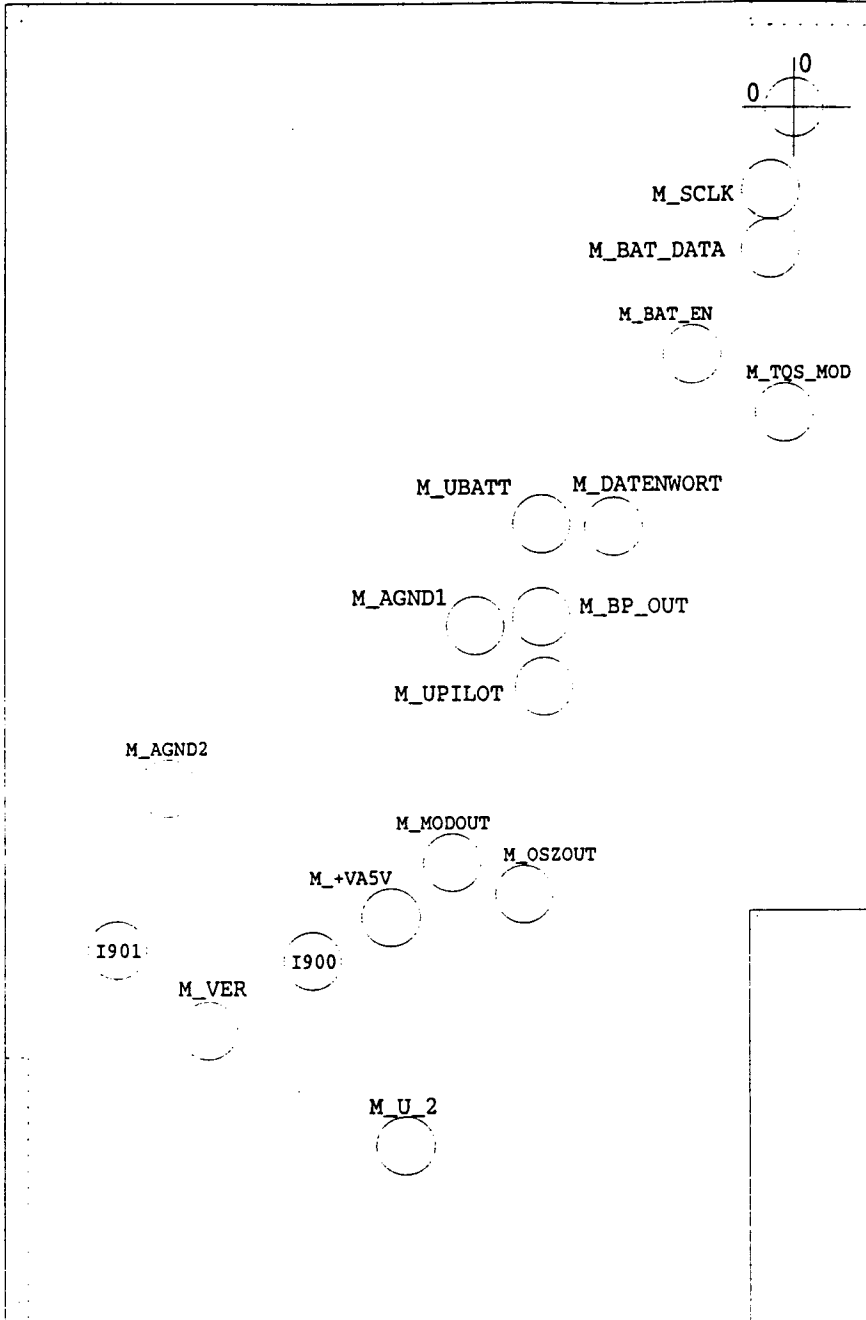
PT61/81: V3.1 99/01/19

BOARDOUT: 2781 Z 0301

BOARDOUT: 2781 2 0301
BT61\81: A3.1 66\01\16



Pos	Ecode	Compname	Reference	AKG Matchcode	Stk	EP	GP	Text englisch
1	9011E0145	xtal_act	Q900	Q 32K768 30 8x4mm +a	1	3,000	L	3,000 freq.=32.768kHz, load cap=12.5pF, freqtol.=30ppm,temptol.=+0.034/C^2, type=ACT200, ACT
2	2016E1003	m10	ST900	SCM 010 2G FLEXSHROUDHEAD. +a	1	0,000	L	0,000 SMD-Connector, 10pol, 2relh, m.Pos.stift+Pick&PlacePaSAMTEC:TMMH-105-01-G-DV-M-A-TR
3	2781Z0301	mec	PRINT	PT61-Print: 8-fach Nutzen	1	0,000	x	0,000
4	9010E0029	bc850b	T901 T903	T NC BC850B SOT23 -a	2	0,470	E	0,940 NPN-transistor: BC850B (low noise), case SOT23
5	9010E0117	25k208o	T900 T902	TFNC 25K208-O SOT23 TS-a	2	1,500	E	3,000 n-ch junction-FET: 25K208-O: IDSS=0.6-1.4mA; VGDS=-50V; case: SOT23; Toshiba
6	9010E0120	bc868	T950	T NC BC868 SOT89 -a	1	0,500	L	0,500 NPN-chip-transistor: BC868; case: SOT89
7	9014E0004	ll4148	D950 D951 D952 D953	DDC SJ LL4148 0204 -a	4	0,290	E	1,160 chip-diode: silicon: LL4148; case 0204 (Mini-Melf)
8	9015E1108	rc4558d	U900	IOP RC4558D D8 TI+a	1	2,900	E	2,900 Dual High-Performance Operational Amplifier; SO8;Texas Instruments
9	9015E1085	hc00d	U950	IGATE 74HC00D S5 MC+a	1	1,500	L	1,500 quad 2-input NAND-gate; SO14; PHILIPS
10	9015E4086	24lc00d	U951	IMEM 24LC00OT D15 MC+a	1	1,870	L	1,870 serial EEprom I2C-bus, 128bit; SOT23-5; MICCOCHIP
11	9013E1530	caps	C900 C903	CKC 15p 50 5 0603COG -a	2	0,160	E	0,320 chip-cap: case 0603: COG: 15 pF; +5%; 50V
12	9032E3330	caps	C901 C904 C907	CKC 330p 50 5 0603COG -a	3	0,230	E	0,690 chip-cap: case 0603: COG: 330 pF; +5%; 50V
13	9031E1002	caps	C906	CKC 1n 50 10 0603X7R -a	1	0,200	E	0,200 chip-cap: case 0603: X7R: 1 nF; +10%; 50V
14	9033E2210	caps	C911 C912	CKC 2n2 50 5 1206NP0 -a	2	0,540	E	1,080 chip-cap: case 1206: COG: 2.2 nF; +5%; 50V
15	9035E1030	caps	C902 C905 C909 C917 C919 C950 C951 C952 C953	CKC 100n 25 b 0603Y5V +a	9	0,200	L	1,800 chip-cap: case 0603: Y5V: 100 nF; +80%/ -20%; 25V;z.B.: Murata: GRM39 Serie
16	9035E1002	caps	C915	CKC 1u 16 10 1206X7R -a	1	0,902	E	0,902 chip-cap: case 1206: X7R: 1 uF; +10%; 16V
17	9037E2202	pcaps	C908 C914	CTC 22u 10 20 3.5x2.8 -a	2	1,100	E	2,200 chip-tantal: case 3.5x2.8mm; 22uF; 10V; +20%
18	9038E1500	pcaps	C913	CTC 150u 6,3 20 7,3x4,3 -a	1	1,250	L	1,250 chip-tantal: case 7.3x4.3mm; 150uF; 6.3V; +20%
19	9001E8201	ress	R955	RM 8E2 1 0204 -a	1	0,200	L	0,200 chip-resistor: case 0204 (minimelf): 8.2 Ohm; +1%
20	9003E6030	ress	R925 R927 R928 R929	RC 100E 1 0603 -a	4	0,160	E	0,640 chip-resistor: case 0603: 100 Ohm; 1%
21	9003E6630	ress	R924 R954	RC 680E 1 0603 -a	2	0,109	E	0,218 chip-resistor: case 0603: 680 Ohm; 1%
22	9021E0060	trmpot	R920	chip-pot: 1k 25% 3x3.6mm +a	1	1,000	L	1,000 chip-potentiometer: 1 kOhm +25%; 3x3.6mm; z.B.:Panasonic: Typ: EVM3YS
23	9004E1530	ress	R919	RC 1k5 1 0603 -a	1	0,160	E	0,160 chip-resistor: case 0603: 1.5 kOhm; 1%
24	9004E2230	ress	R911 R915 R916 R921	RC 2k2 1 0603 -a	4	0,109	E	0,436 chip-resistor: case 0603: 2.2 kOhm; 1%
25	9004E3930	ress	R902 R907 R922	RC 3k9 1 0603 -a	3	0,160	E	0,480 chip-resistor: case 0603: 3.9 kOhm; 1%
26	9005E1030	ress	R900 R908 R956	RC 10k 1 0603 -a	3	0,160	E	0,480 chip-resistor: case 0603: 10 kOhm; 1%
27	9005E1230	ress	R923	RC 12k 1 0603 -a	1	0,080	L	0,080 chip-resistor: case 0603: 12 kOhm; 1%
28	9005E1830	ress	R905	RC 18k 1 0603 -a	1	0,160	E	0,160 chip-resistor: case 0603: 18 kOhm; 1%
29	9005E2230	ress	R903 R917 R918 R952	RC 22k 1 0603 -a	4	0,160	E	0,640 chip-resistor: case 0603: 22 kOhm; 1%
30	9005E4730	ress	R913	RC 47k 1 0603 -a	1	0,160	E	0,160 chip-resistor: case 0603: 47 kOhm; 1%
31	9006E1530	ress	R905 R912 R914	RC 150k 1 0603 -a	3	0,109	E	0,327 chip-resistor: case 0603: 150 kOhm; 1%
32	9006E2730	ress	R901	RC 270k 1 0603 -a	1	0,120	L	0,120 chip-resistor: case 0603: 270 kOhm; 1%
33	9006E5630	ress	R909 R910 R926	RC 560k 1 0603 -a	3	0,120	L	0,360 chip-resistor: case 0603: 560 kOhm; 1%
34	9007E1030	ress	R904 R951 R957	RC 1M 1 0603 -a	3	0,109	E	0,327 chip-resistor: case 0603: 1 MOhm; 1%
35	9007E3330	ress	R950	RC 3M3 5 0603 -a	1	0,120	E	0,120 chip-resistor: case 0603: 3.3 MOhm; 1%
36	n.p.	24lc00s8 c	U952 C918 C920 C921 C922	unbekannt ()	5	0,000	x	0,000
37	9032E1030	caps	C916	CKC 100p 50 5 0603COG -a	1	0,180	E	0,180 chip-cap: case 0603: COG: 100 pF; +5%; 50V
38	9007E1830	ress	R953	RC 1M8 1 0603 -a	1	0,050	L	0,050 chip-resistor: case 0603: 1.8 MOhm; +1%
38	zLASTPOS				80			29,450
Anzahl der Positionen mit Preis = 0:					2			
Änderungen zur Version 3.0								
Die Position 15 9035E1030 wurde geändert: Stückzahl von:8 auf:9								
Die Position 36 n.p. wurde geändert: Stückzahl von:6 auf:5								



PT61/81: V3.1 99/01/19
BOARDOUT: 2781 Z 0301

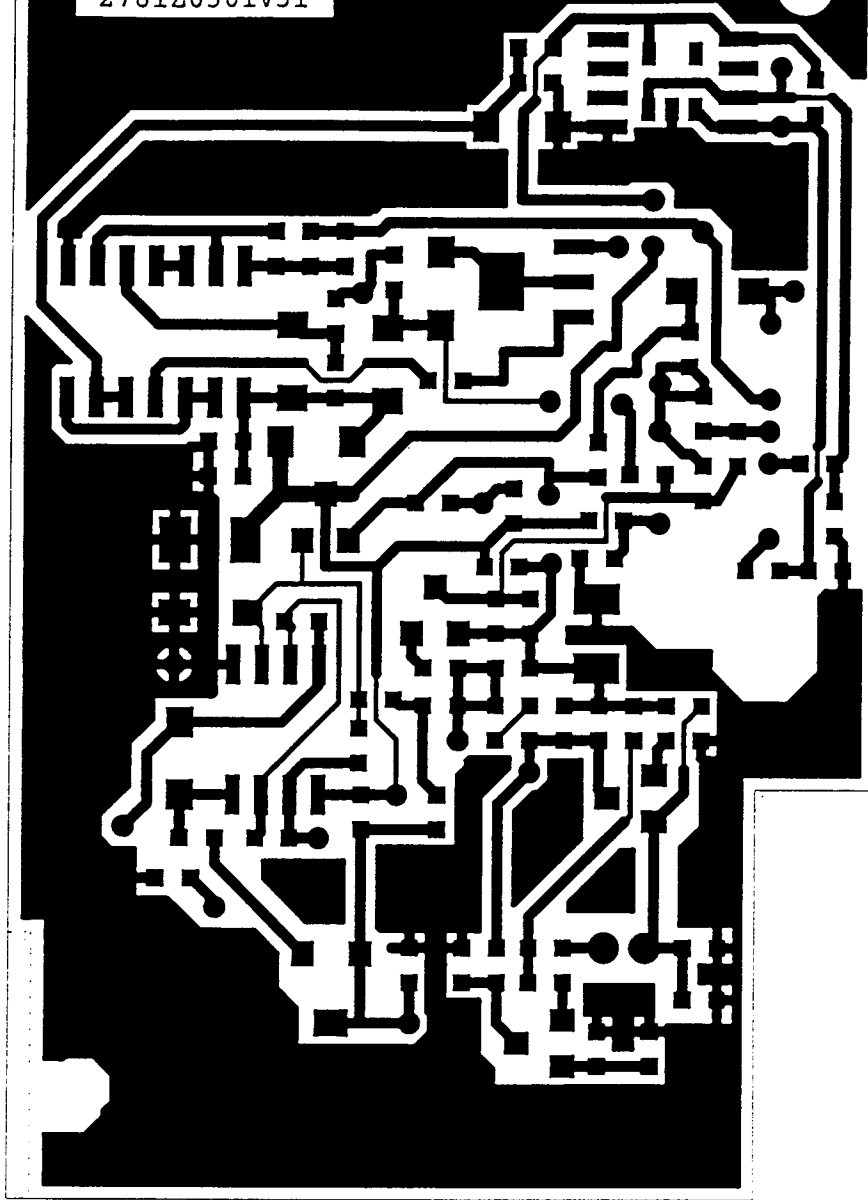
RESULT

FCC ID: E9MPT6

NAME	CENTX	CENTY	TYPE
M_VER	-25,65	-40,26	incrd40v
M_+VA5V	-17,65	-35,31	incrd40v
M_U_2	-17,02	-45,34	incrd40v
M_MODOUT	-14,99	-32,89	incrd40v
M_AGND1	-13,97	-22,48	incrd40v
M_BP_OUT	-11,05	-22,10	incrd40v
M_UBATT	-11,05	-18,03	incrd40v
M_UPILOT	-10,92	-25,15	incrd40v
M_DATENWORT	-7,87	-18,16	incrd40v
M_BAT_DATA	-1,02	-6,10	incrd40v
M_SCLK	-1,02	-3,56	incrd40v
M_TQS_MOD	-0,38	-13,21	incrd40v
M_BAT_EN	4,45	-10,67	incrd40v
M_OSZOUT	11,81	-34,29	incrd40v
M_AGND2	27,43	-29,59	incrd40v

Testpunkte für PT61-Subprint
 Origin ist 1.4mm Passerloch

PT61/81_SUB
AKG/HK/01.99
2781Z0301V31

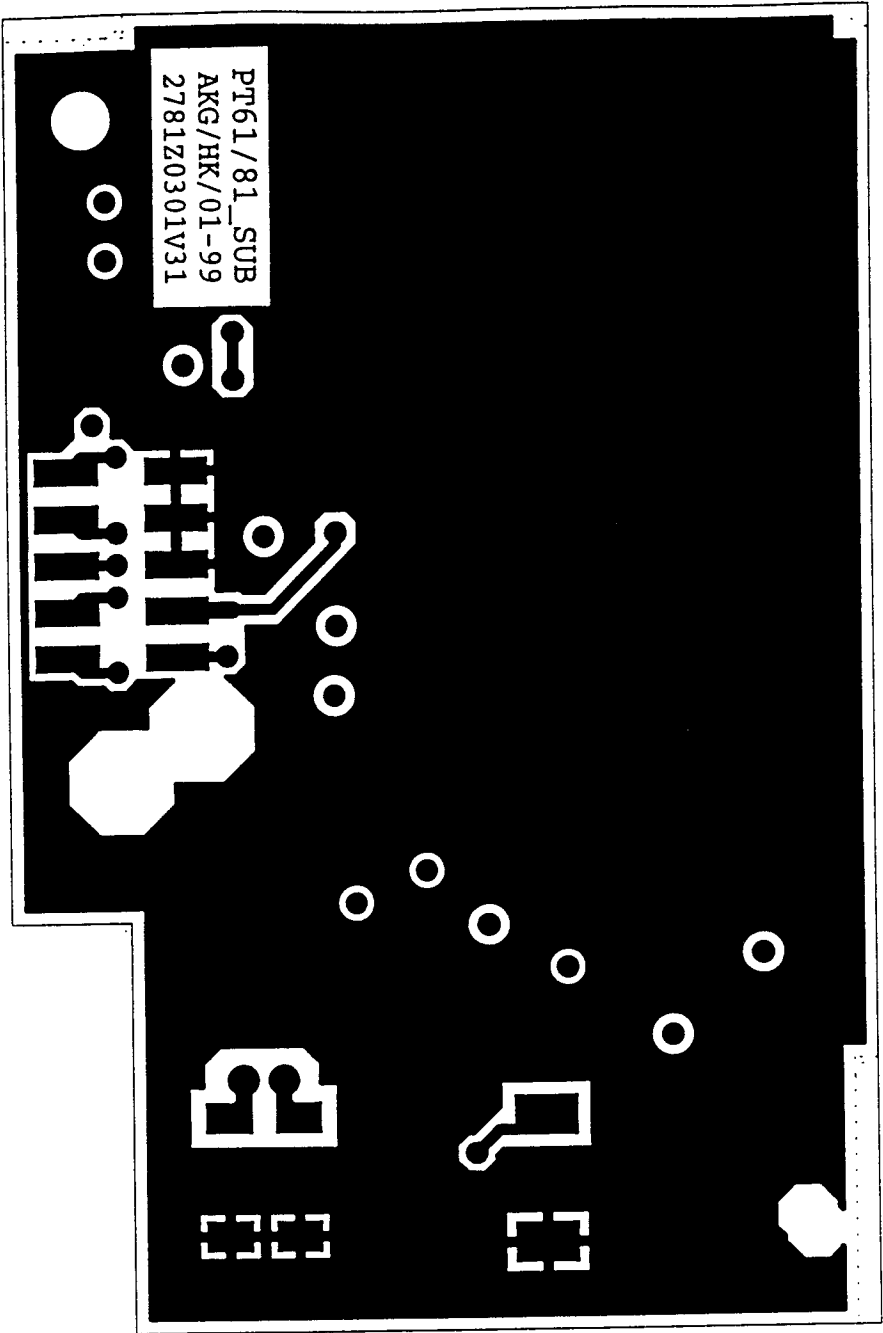


PT61/81: V3.1 99/01/19

BOARDOUT: 2781 Z 0301

2781 Z 0301: V3.1

COMP-SIDE



PT61/81 SUB : V3.1
BOARDOUT : 2781 Z 0301
2781 Z 0301 : V3.1
SOLDER-SIDE

2781M0201 - 2781M0214

am 28.10.1998

Stückliste: Basisstückliste PT60 PT61

Datei: 2781_51.XLS

Zustand: freigegeben

Version: 5.1

Pos	Ecode	Compname	Reference	AKG Matchcode	Stück	Text englisch
1	0011E0127	q_mel-t	Q200	Q 16M 10 10 MET-11 +a	1	1 freq.=16MHz, loadcap.=16pF, adjusttol.<=10ppm,temptol.<=10ppm, case=MET-11
3	0040E0180	smrl-t016	S500	SMD-BCD-Schalter: SMRL3016 +a	1	1 SMD-BCD-switch: Typ: SMR 13016; Fa. Knitter; hexadigital; case: 7.2 x 9.5 mm; h=2.5mm
4	0040E0181	ssss211	S100 S600	SMD-Schalter: SSSS212-12 Alps	2	2 SMD-switch: 2 pos; 1 pole; horizontal knob; Fa. Alps: Type: SSSS 212-12; 9x3.5mm
6	9010E0009	bc858b	T700	T PC BC858B SOT23 -a	1	1 PNP-transistor: BC858B; case SOT23; any
7	9010E0029	bc850b	T200 T601 T701	T NC BC850B SOT23 -a	3	3 NPN-transistor: BC850B (low noise); case SOT23
8	9010E0118	irl_6702	T600 T602	TMPC IRLMS6702 Micro6 IR-a	2	2 p-ch-MOSFET; Vds=20V; Id=1.6A; case: Micro6; International Rectifier
10	9014E0024	ll103a	D200 D601 D602 D603 D604	DDC SY LL103A 0204 TH-a	5	5 chip-diode: schottky: LL103A; case: Minimelf; 40V/200mA; z.B. ITT or Thomson
12	9014E0044	bby40	D100	DDC VA BBY40 SOT23 SI-a	1	1 chip-varactor-diode: BBY40; case SOT23; Siemens
13	9014E0044	bys10-45	D600	DLC SY BYS10-45 DO214AC +a	1	1 chip-schottky diode: BYS10-45; case: DO214AC; 45V/1.5A; TEMIC
14	9014E0045	bb535	D101	DDC VA BB535 SOD323 SI-a	1	1 varactor-diode: type: BB535; case: SOD323; Siemens: Q62702-B580
15	9015E1091	lm393d	U703 U704	ICOMP LM393D D8 PH-a	2	2 dual-comparator: type LM393D; Philips; Nationalcase: SO8
16	9015E1107	ne571d	U702	IVCX NE571D D16 PH-a	1	1 dual-compador-IC: type: NE571D Philips: case SOL16 oder SA571D
18	9015E1142	s594t	U300	IMMIC S594T S4 +a	1	1 MOSMIC-Transistor; SOT143; TEMIC
19	9015E1143	s595t	U301	IMMIC S595T S4 +a	1	1 MOSMIC-Transistor; SOT143; TEMIC
20	9015E1146	lt1307d	U600	IVREG LT1307BCSO D8 LT-a	1	1 PWM DC/DC-Stepup Converter; SO8; LINEAR TECHNOLOGY
21	9015E1147	mb15e03	U200	IFLL MB15E03PFV1 S16 FJ-a	1	1 Single Serial Input PLL Frequency Synthesizer;SSOP16; FUJITSU
22	9015E1148	tlc2272d	U700	IOF TLC2272CD D8 TI-a	1	1 Rail to Rail Dual Operational Amplifier; SO8; TEXAS INSTRUMENTS
23	9015E4083	16c711	U500	IBERI PIC16C711-0460-D10 HP-a	0	0 8-Bit CMOS-Microcontroller with A/D-Converter;SOL18; MICROCHIP
24	377721901	hfbboxw60	SLE100-SLE101	6schirmgeh.-430330110370-Althof	0	0 screening-chassis-430330-110370-Far-Althofen
25	9030E6831	caps	C100	CKC 6p8 50 p1 0603COG -a	1	1 chip-cap: case 0603: COG: 6.8 pF; +-0.1pF; 50V
26	9031E2001	captrms	C119	CVC 20p 25 5-20p +a	1	1 chip-trimm-capacitor: 5-20pF; AVX; part nr.: CTZ35-20A-W1-P
27	9030E5631	caps	C713	CKC 5p6 50 p1 0603COG -a	1	1 chip-cap: case 0603: COG: 5.6 pF; +-0.1pF; 50V
28	9031E1030	caps	C213 C300 C303 C309	CKC 10p 50 5 0603COG -a	4	4 chip-cap: case 0603: COG: 10 pF; +-5%; 50V
29	9031E2202	caps	C101	CKC 22p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 22 pF; +-5%; 50V
30	9031E3330	caps	C502 C516	CKC 33p 50 5 0603COG -a	2	2 chip-cap: case 0603: COG: 33 pF; +-5%; 50V
31	9031E4730	caps	C704 C725	CKC 47p 50 5 0603COG -a	2	2 chip-cap: case 0603: COG: 47 pF; +-5%; 50V
32	9032E1030	caps	G115 C116 C117 C212 C600 C609	CKC 100p 50 5 0603COG -a	5	5 chip-cap: case 0603: COG: 100 pF; +-5%; 50V
33	9032E2230	caps	C114 C216	CKC 220p 50 5 0603COG -a	2	2 chip-cap: case 0603: COG: 220 pF; +-5%; 50V
34	9032E3330	caps	C701 C722 C730	CKC 330p 50 5 0603COG -a	3	3 chip-cap: case 0603: COG: 330 pF; +-5%; 50V
35	9032E6830	caps	C115 C712 C720 C728 C209	CKC 680p 50 5 0603N750-b	5	5 chip-cap: case 0603: N750: 680 pF; +-5%; 50V
36	9033E1002	caps	C103 C204 C217 C301 C305 C308	CKC 1n 50 10 0603X7R -a	8	8 chip-cap: case 0603: X7R: 1 nF; +-10%; 50V
37	9033E4730	caps	C604 C608 C610	CKC 4n7 50 10 0603X7R -a	3	3 chip-cap: case 0603: X7R: 4.7 nF; +-10%; 50V
39	9034E1023	caps	C104 C112 C617	CKC 10n 50 10 0805X7R -b	3	3 chip-cap: case 0805: X7R: 10 nF; +-10%; 50V;ens: 837940-K5102-J62
40	9034E4701	caps	C200 C219 C700	CKC 47n 25 10 0805X7R -a	3	3 chip-cap: case 0805: X7R: 47 nF; +-10%; 25V
41	9035E1003	caps	C120 C500 C503 C611 C723 C727	CKC 100n 25 10 0805X7R -a	6	6 chip-cap: case 0805: X7R: 100 nF; +-10%; 25V
42	9036E1002	caps	G601 C612 C613 C614 C705 C707 C708 C709 C710 C711 C714 C716 C718 C800	CKC 1u 16 10 1206X7R -a	13	13 chip-cap: case 1206: X7R: 1 uF; +-10%; 16V

17 NOV. 1998

2781M0201 - 2781M0214

am 28.10.1998

Stückliste: Basisstückliste PT60 PT61

Datei: 2781_51.XLS

Zustand: freigegeben

Version: 5.1

Pos	Ecode	Compname	Reference	AKG Matchcode	Stück	Text englisch
43	9036E3300	pcaps	C211 C304 C307 C501 C601	3u3 6,3 20 3,2x1,6 -a	4	chip-tantal: case 3.2x1.6mm; 3.3 uF; 6.3V; +-20%
44	9037E1003	caps	C602 C603	CKC 10u 16 b 1210Y5V -a	2	chip-cap: case 1210: Y5V: 10 uF; +80 -20%; 16V
45	9037E2202	pcaps	C105 C109 C201 C214 C215 C306 C605 C606 C607 C615 C702 C703 C715 C717 C719 C726 C729	CTC 22u 10 20 3.5x2.8 -a	17	chip-tantal: case 3.5x2.8mm; 22uF; 10V; +-20%
46	9023E0117	inds	L400 L401	Chipspule 100nH 5% LQN21A +a	2	chip-coil: 100nH; +-5%; series: LQN21A; part nr.: LQN21AR10J04; MURATA
48	9023E0113	inds	L101 L300 L302	chip-coil: 1 uH 20% LQH3N +a	3	chip-coil: 1 uH; +20%; case: LQH3N ferrit-body; MURATA
49	9023E0120	inds	L600 L601	chip-coil: 10uH, 10%, LQH3C +a	2	chip-coil: 10uH, +-10%; Rdc < 0.6Ohm; MURATA: LQH3C100K04
50	9002E1030	ress	R607	RC 10E 1 0603 -a	1	chip-resistor: case 0603: 10 Ohm; 1%
51	9002E3330	ress	R102 R610	RC 33E 1 0603 -a	1	chip-resistor: case 0603: 33 Ohm; 1%
52	9002E6830	ress	R124 R300	RC 68E 1 0603 -a	2	chip-resistor: case 0603: 68 Ohm; 1%
53	9003E1030	ress	R100 R102 R208	RC 100E 1 0603 -a	3	chip-resistor: case 0603: 100 Ohm; 1%
54	9003E5630	ress	R209	RC 560E 1 0603 -a	1	chip-resistor: case 0603: 560 Ohm; 1%
55	9003E8230	ress	R201 R700 R704 R722	RC 820E 1 0603 -a	4	chip-resistor: case 0603: 820 Ohm; 1%
56	9004E1030	ress	R107 R108 R206 R305	RC 1k 1 0603 -a	4	chip-resistor: case 0603: 1 kOhm; 1%
57	9004E1530	ress	R200	RC 1k5 1 0603 -a	1	chip-resistor: case 0603: 1.5 kOhm; 1%
58	9004E2230	ress	R709A R713 R727 R728	RC 2k2 1 0603 -a	4	chip-resistor: case 0603: 2.2 kOhm; 1%
59	9004E3330	ress	R500	RC 3k3 1 0603 -a	1	chip-resistor: case 0603: 3.3 kOhm; 1%
60	9004E4730	ress	R104 R110 R117 R118 R716 R734	RC 4k7 1 0603 -a	6	chip-resistor: case 0603: 4.7 kOhm; 1%
61	9004E6830	ress	R101 R105 R106 R109 R115 R203 R705 R708 R719 R800	RC 6k8 1 0603 -a	9	chip-resistor: case 0603: 6.8 kOhm; 1%
62	9005E1030	ress	R114 R204 R205 R206 R212 R306 R513 R708 R715 R739	RC 10k 1 0603 -a	9	chip-resistor: case 0603: 10 kOhm; 1%
63	9005E1530	ress	R714 R715 R720 R731	RC 15k 1 0603 -a	3	chip-resistor: case 0603: 15 kOhm; 1%
64	9005E2230	ress	R103 R609 R711 R735 R740	RC 22k 1 0603 -a	5	chip-resistor: case 0603: 22 kOhm; 1%
65	9005E2730	ress	R717 R737	RC 27k 1 0603 -a	2	chip-resistor: case 0603: 27 kOhm; 1%
66	9005E3330	ress	R511 R723	RC 33k 1 0603 -a	2	chip-resistor: case 0603: 33 kOhm; 1%
67	9005E3930	ress	R301 R603 R703 R712 R721 R726 R724	RC 39k 1 0603 -a	8	chip-resistor: case 0603: 39 kOhm; 1%
68	9005E4730	ress	R724	RC 47k 1 0603 -a	1	chip-resistor: case 0603: 47 kOhm; 1%
69	9021E0058	trmpot	R113	chip-pot: 47k; +-25%; RH03A3C	1	chip-Potentiometer: 47 kOhm, +-25%; case: 3 x 3.6mm; Alps: Typ: RH03A3C S4X
70	9005E9030	ress	R505 R718	RC 90k9 1 0603 -a	2	chip-resistor: case 0603: 90.9kOhm; 1%

Pos	Ecode	Compname	Reference	AKG Matchcode	Stück	Text englisch
71	9006E1030	ress	R207 R211 R213 R302 R303 R501 R508 R509 R512 R604	RC 100k 1 0603 -a	8	chip-resistor: case 0603: 100 kOhm; 1%
72	9021E0056	potrk08a	R112	chip-pot: 100klog: Alps: RK08	1	chip-potentiometer: 100 kOhm log.: + -20%; single-shaft, single unit; Fa. ALPS: RK 08 H 1130
73	9006E1230	ress	R732	RC 120k 1 0603 -a	1	chip-resistor: case 0603: 120 kOhm; 1%
74	9006E1530	ress	R504 R510	RC 150k 1 0603 -a	2	chip-resistor: case 0603: 150 kOhm; 1%
75	9006E2230	ress	R601 R701 R303 R702 R725	RC 220k 1 0603 -a	5	chip-resistor: case 0603: 220 kOhm; 1%
76	9006E3330	ress	R507 R600 R606 R608 R733	RC 330k 1 0603 -a	5	chip-resistor: case 0603: 330 kOhm; 1%
77	9006E3930	ress	R503	RC 390k 1 0603 -a	1	chip-resistor: case 0603: 390 kOhm; 1%
78	9006E4730	ress	R111 R210 R302	RC 470k 1 0603 -a	3	chip-resistor: case 0603: 470 kOhm; 1%
79	9006E8230	ress	R502	RC 820k 1 0603 -a	1	chip-resistor: case 0603: 820 kOhm; 1%
80	9007E1030	ress	R215 R602 R605	RC 1M 1 0603 -a	3	chip-resistor: case 0603: 1 MOhm; 1%
81	9007E1530	ress	R202	RC 1M5 5 0603 -a	1	chip-resistor: case 0603: 1.5 MOhm; 5%
82	np	caps	G205-C207 C218	not placed	1	
83	9033E5601	caps	C706	CKC 5n6 50 5 1206COG -a	1	chip-cap: case 1206: COG: 5.6 nF; + -5%; 50V
84	9033E1201	caps	C724	CKC 1n2 50 5 0805COG -b	1	chip-cap: case 0805: COG: 1.2 nF; + -5%; 50V
85	9014E0038	bzv 4v3	D201	D2C 4V3 BZV55C4V3 0204 +b	1	chip voltage regulator diode: 4.3V; 5%; case 0204; type: BZV55C4V3
86	9015E4061	lm833m	U701	IOP LM833M D8 NE+a	1	Dual High-Performance Operational Amplifier; SO8; National Semiconductors
87	9023E0138	inductor	L301 L700 L701	Chipspule 220nH 5% LQN21A +a	3	chip-coil: 220nH; + -5%; series: LQN21A; part nr.: LQN21AR22J04; MURATA
88	???	label	???	???	1	1 OM5610/V1 MB TUNER AE-Nr. 4303 306 81070
89	9010E0124	bfs17a	T100	T NC BFS17A SOT23 PH-a	1	1 NPN-RF-transistor: BFS17A; case SOT23; Philips
90	9014E0046	ledcl220	D500	DLC RT CL-220HR-C-TS +a	1	1 chip-LED: type: CL-220HR-C-TS; Fa. CITTLED
91	9030E4731	caps	C205 C207	CKC 4p7 50 p1 0603COG -a	2	1 chip-cap: case 0603: COG: 4p7 pF; + -0.1pF; 50V
92	278120101	mc	PRINT	1160 Print: 0-fach Nutten	1/8	Print: 0-fach Nutten
91	0011E0128	csacmgcm	Q500	QR 3M68 500300 CSAC MU+a	1	1 chip-ceramic-resonator; freq.=3.68MHz; adjusttol.<=500ppm; tempitol.<=300ppm; MURATA; CSAC3M68MGCM
92	0017E1001	ress	ST500	SCP 010 2G STAND.SOCKET +a	1	1 SMD-connector: 10 poles in 2 rows; type: TLE-105-01-G-DV-A-P-TR; SANTEC
93	2777T2601	hfbox3	SLD100	Schirmgeh. LK Engineering	2	2 screening chassis: AKG Microfon Can from LK Engineering (AKG-Code: 2777Z2601)
93	zLASTPOS		SLD101		237	

2781M0201 - 2781M0214

am 28.10.1998

Stückliste: Variantenstückliste PT60 PT61

Datei: 2781_51.XLS

Zustand: freigegeben

Version: 5.1

Pos	Code	Compname	Reference	AKG Matchcode	Stück	Text englisch
2781M0201						
1	9031E5630	caps caps	C106	CKC 56p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 56 pF; +-5%; 50V
2	9031E5630	caps caps	C107	CKC 56p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 56 pF; +-5%; 50V
3	9032E1230	caps	C108	CKC 120p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 120 pF; +-5%; 50V
4	9031E6830	caps caps	C113	CKC 68p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 68 pF; +-5%; 50V
5	9031E2731	caps caps	C202	CKC 27p 50 2 0603COG -a	1	chip-cap: case 0603: COG: 27 pF; +-2%; 50V
6	9031E2731	caps caps	C203	CKC 27p 50 2 0603COG -a	1	chip-cap: case 0603: COG: 27 pF; +-2%; 50V
7	np	ress ress	C220	not placed	0	
8	9031E4730	caps caps	C400	CKC 47p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 47 pF; +-5%; 50V
9	9031E1230	caps	C401	CKC 12p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 12 pF; +-5%; 50V
10	9031E6830	caps caps	C402	CKC 68p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 68 pF; +-5%; 50V
11	9030E5631	caps	C403	CKC 56p 50 p1 0603COG -a	1	chip-cap: case 0603: COG: 5.6 pF; +-0.1pF; 50V
12	9031E4730	caps caps	C404	CKC 47p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 47 pF; +-5%; 50V
13	9032E2230	caps	C405	CKC 220p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 220 pF; +-5%; 50V
14	9031E1030	caps	C406	CKC 10p 50 5 0603COG -a	1	chip-cap: case 0603: COG: 10 pF; +-5%; 50V
15	np	ress ress	C407	not placed	0	
16	np	caps	C408	not placed	0	
17	np	ress ress	C516	not placed	0	
18	9023E0091	ress	L102	chipcoil 18.5 nH, 5%, A05T +a	1	chip-air-coil: 18.5 nH; +-5%; typ:A05T COILCRAFT or 291A-05 FRONTIER
19	np	ress ress	Q500	not placed	0	
21	9004E3330	ress	R506	RC 3k3 1 0603 -a	0	chip-resistor: case 0603: 3.3 kOhm; 1%
22	9002E1030	ress	R729	RC 10E 1 0603 -a	1	chip-resistor: case 0603: 10 Ohm; 1%
23	np	ress ress	R730	not placed	0	
24	np	ress ress	S1500	not placed	0	
25	9023E0134	inds	L402	chip-coil: 82nH 5% LQN21A +a	1	chip-coil: 82nH; +-5%; series:LQN21A; part nr.:LQN21A82NJ04; MURATA
26	2781C0102	16c711	U500	IPERI PIC16C711-04SO D18 MP+a	1	8-Bit CMOS Microcontroller with A/D Converter;SOL18; MICROCHIP; programmed with file: 27810102.hex; Rev.: 1.11

FCC ID: E9MPT61

Pos	Ecode	Compname	Reference	AKG Matchcode	Stück	Text englisch
	2781M0202		US1A	(BASIS PT60 US1A [2781M0102])		
1	9031E4730	caps caps	C106	CKC 47p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 47 pF; +-5%; 50V
2	9031E4730	caps caps	C107	CKC 47p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 47 pF; +-5%; 50V
3	9032E1030	caps	C108	CKC 100p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 100 pF; +-5%; 50V
4	9031E4730	caps	C113	CKC 47p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 47 pF; +-5%; 50V
5	9031E2731	caps	C202	CKC 27p 50 2 0603COG -a	1	1 chip-cap: case 0603: COG: 27 pF; +-2%; 50V
6	9031E3331	caps	C203	CKC 33p 50 2 0603COG -a	1	1 chip-cap: case 0603: COG: 33 pF; +-2%; 50V
7	9030E2231	caps caps	C220	CKC 2p2 50 p1 0603COG -a	1	1 chip-cap: case 0603: COG: 2.2 pF; +-0.1pF; 50V
9	9030E8231	caps	C401	CKC 8p2 50 p1 0603COG -a	1	1 chip-cap: case 0603: COG: 8.2 pF; +-0.1pF; 50V
11	9030E5631	caps	C403	CKC 5p6 50 p1 0603COG -a	1	1 chip-cap: case 0603: COG: 5.6 pF; +-0.1pF; 50V
13	9032E5630	caps	C405	CKC 560p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 560 pF; +-5%; 50V
17	np	ress-ress	G516	not placed	0	
18	9023E0122	inds	L102	chip-coil: 12.5nH 5% A04T +a	1	1 chip-air-coil: 12.5 nH; +-5%; typ:A04T COILCRAFT or 291A-04 FRONTIER
20	np	ress-ress	Q500	not placed	0	
21	9004B3330	ress	R506	RC 3k3 1 0603 -a	0	chip-resistor: case 0603: 3.3 kOhm; 1%
22	9003E1030	ress	R729	RC 100E 1 0603 -a	1	1 chip-resistor: case 0603: 100 Ohm; 1%
23	np	ress	R730	not placed	0	
24	np	ress-ress	S1500	not placed	0	
25	9031E1230	caps	C400	CKC 12p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 12 pF; +-5%; 50V
26	9031E2730	caps	C402	CKC 27p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 27 pF; +-5%; 50V
27	9031E3330	caps	C404	CKC 33p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 33 pF; +-5%; 50V
28	9030E3931	caps	C406	CKC 3p9 50 p1 0603COG -a	1	1 chip-cap: case 0603: COG: 3.9 pF; +-0.1pF; 50V
29	9031E3330	caps	C407	CKC 33p 50 5 0603COG -a	1	1 chip-cap: case 0603: COG: 33 pF; +-5%; 50V
30	9030E3931	caps	C408	CKC 3p9 50 p1 0603COG -a	1	1 chip-cap: case 0603: COG: 3.9 pF; +-0.1pF; 50V
31	9023E0135	inds	L402	Chipspule 100nH 5% LQN21A +a	1	1 chip-coil: 100nH; +-5%; series:LQN21A; part nr.:LQN21AR10J04; MURATA
32	2781C0202	16c711	U500	IPERI PIC16C711-04SO D18 MP+a	1	1 8-Bit CMOS Microcontroller with A/D Converter;SOL18; MICROCHIP; programmed with file: 27810202.hex; Rev.: 1.11

FCC ID: E9MPT61