

Tabelle1

Comment	Description	Designator	Value	Footprint	LibRef	Quantity
Gecko3	GECKO3	*1		GECKO3	Gecko3	1
CC License		1		CC-License	CC License	1
Cap0603	Capacitor	C1	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C2	10pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C3	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C4	100nF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C5	4.7uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C6	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C7	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C8	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C9	100nF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C10	4.7uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C11	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C12	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C13	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C14	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C15	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C16	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C17	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C18	100nF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C19	4.7uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C20	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C21	100nF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C22	4.7uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C23	100nF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C24	100pF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C25	2.2pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C26	15pF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C27	10uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C28	100nF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C29	10uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C30	100nF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C31	10uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C32	100nF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C33	10uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C34	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C35	1uF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C36	1uF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C37	220pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C38	1uF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C39	1uF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C40	220pF	CAPC1608N	Cap0603	1
Cap Pol 220uF	Polarized Capacitor (Surface Mount / Tanthal)	C41	220uF	Cap Pol 220uF	Cap Pol 220uF	1
Cap Pol 220uF	Polarized Capacitor (Surface Mount / Tanthal)	C42	220uF	Cap Pol 220uF	Cap Pol 220uF	1
Cap0603	Capacitor	C43	1uF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C44	10uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C45	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C46	220pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C47	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C48	1uF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C49	10uF	CAPC3216N	Cap1206	1
Cap0603	Capacitor	C50	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C51	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C52	1uF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C53	150nF	CAPC1608N	Cap0603	1
Cap1210	Capacitor	C54	22uF	CAPC3225N	Cap1210	1
Cap0603	Capacitor	C55	100pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C56	100pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C57	330nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C58	100nF	CAPC1608N	Cap0603	1
Cap1210	Capacitor	C59	22uF	CAPC3225N	Cap1210	1
Cap0603	Capacitor	C60	330nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C61	100pF	CAPC1608N	Cap0603	1
Cap1206	Capacitor	C62	1uF	CAPC3216N	Cap1206	1
Cap1210	Capacitor	C63	22uF	CAPC3225N	Cap1210	1
Cap0603	Capacitor	C64	100pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C65	330pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C66	330pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C67	68pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C68	68pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C69	330pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C70	330pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C71	68pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C72	68pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C73	330pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C74	330pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C75	68pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C76	68pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C77	330pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C78	330pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C79	68pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C80	68pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C81	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C82	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C83	100nF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C84	33pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C85	33pF	CAPC1608N	Cap0603	1
Cap0603	Capacitor	C86	100nF	CAPC1608N	Cap0603	1

Tabelle1

Cap0603	Capacitor	C87	100nF	CAPC1608N	Cap0603	1
LED2 / RED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D1		LED3518	LED2	1
LED2 / GREEN	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D2		LED3518	LED2	1
LED2 / GREEN	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D3		LED3518	LED2	1
MBRM140-D	Schottky Rectifier	D4		POWERMITE457-04	MBRM140-D	1
MBRM140-D	Schottky Rectifier	D5		POWERMITE457-04	MBRM140-D	1
FERRITE-BEAD0603	Ferrite 0603	FB1		CAPC1608N	FERRITE-BEAD-0603	1
FERRITE-BEAD0603	Ferrite 0603	FB2		CAPC1608N	FERRITE-BEAD-0603	1
FERRITE-BEAD0603	Ferrite 0603	FB3		CAPC1608N	FERRITE-BEAD-0603	1
FERRITE-BEAD0603	Ferrite 0603	FB4		CAPC1608N	FERRITE-BEAD-0603	1
Phonejack3	Jack Socket, 1/4 [6.5mm], Thru-Hole, Vertical, 3-Conductor Open Circuit (Non-Normalling)	J1		3-5JACK	Phonejack3	1
Phonejack3	Jack Socket, 1/4 [6.5mm], Thru-Hole, Vertical, 3-Conductor Open Circuit (Non-Normalling)	J2		3-5JACK	Phonejack3	1
Phonejack3	Jack Socket, 1/4 [6.5mm], Thru-Hole, Vertical, 3-Conductor Open Circuit (Non-Normalling)	J3		3-5JACK	Phonejack3	1
Phonejack3	Jack Socket, 1/4 [6.5mm], Thru-Hole, Vertical, 3-Conductor Open Circuit (Non-Normalling)	J4		3-5JACK	Phonejack3	1
SMA-SMD	Rosenberger SMD SMA HF Connector	JP1		sma-32k243-40ME3	SMA-SMD	1
SMA-SMD	Rosenberger SMD SMA HF Connector	JP2		sma-32k243-40ME3	SMA-SMD	1
SMA-SMD	Rosenberger SMD SMA HF Connector	JP3		sma-32k243-40ME3	SMA-SMD	1
AMP-FH-120-RECEPTABLE-H9-H13	AMP Free Height System, 0.8mm, 120 Pin, 9 or 13mm Height, Receptable	JP4	fh-120r-9mm	amp_FH_.8mm_120pin_r_H9_H13	AMP-FH-120-RECEPTABLE-H9-H13	1
AMP-FH-120-Plug	AMP Free Height System, 0.8mm, 120 Pin, Plug	JP5	fh-120p-5mm	amp_FH_.8mm_120pin_plug	AMP-FH-120-Plug	1
AMP-FH-120-RECEPTABLE-H9-H13	AMP Free Height System, 0.8mm, 120 Pin, 9 or 13mm Height, Receptable	JP6	fh-120r-9mm	amp_FH_.8mm_120pin_r_H9_H13	AMP-FH-120-RECEPTABLE-H9-H13	1
AMP-FH-120-Plug	AMP Free Height System, 0.8mm, 120 Pin, Plug	JP7	fh-120p-5mm	amp_FH_.8mm_120pin_plug	AMP-FH-120-Plug	1
Inductor_Chip	Chip Inductors	L1	?nH	RESC3216N	Inductor_Chip	1
InductorTDK	Shielded Power Inductors	L2	10uH	INDUCTOR2	InductorTDK	1
InductorTDK	Shielded Power Inductors	L3	15uH	INDUCTOR2	InductorTDK	1
InductorTDK	Shielded Power Inductors	L4	15uH	INDUCTOR2	InductorTDK	1
Header 8X2	Header, 8-Pin, Dual row	P1		HDR2X8H	Header 8X2	1
Header 8X2	Header, 8-Pin, Dual row	P2		HDR2X8H	Header 8X2	1
QUARZ-SMD	SMD Quarz in the AT49 Case, like the ABL5 series from Abracon	Q1	12.288 MHz	AT49	QUARZ-SMD	1
Res0603	Resistor	R1	25K	RESC1608N	Res0603	1
Res0603	Resistor	R2	100k	RESC1608N	Res0603	1
Res0603	Resistor	R3	25K	RESC1608N	Res0603	1
Res0603	Resistor	R4	100k	RESC1608N	Res0603	1
Res0603	Resistor	R5	25K	RESC1608N	Res0603	1
Res0603	Resistor	R6	25K	RESC1608N	Res0603	1
Res0603	Resistor	R7	25K	RESC1608N	Res0603	1
Res0603	Resistor	R8	100k	RESC1608N	Res0603	1
Res0603	Resistor	R9	25K	RESC1608N	Res0603	1
Res0603	Resistor	R10	100k	RESC1608N	Res0603	1
Res0603	Resistor	R11	25K	RESC1608N	Res0603	1
Res0603	Resistor	R12	25K	RESC1608N	Res0603	1
Res0603	Resistor	R13	25K	RESC1608N	Res0603	1
Res0603	Resistor	R14	100k	RESC1608N	Res0603	1
Res0603	Resistor	R15	25K	RESC1608N	Res0603	1
Res0603	Resistor	R16	100k	RESC1608N	Res0603	1
Res0603	Resistor	R17	25K	RESC1608N	Res0603	1
Res0603	Resistor	R18	25K	RESC1608N	Res0603	1
Res0603	Resistor	R19	25K	RESC1608N	Res0603	1
Res0603	Resistor	R20	100k	RESC1608N	Res0603	1
Res0603	Resistor	R21	25K	RESC1608N	Res0603	1
Res0603	Resistor	R22	100k	RESC1608N	Res0603	1
Res0603	Resistor	R23	25K	RESC1608N	Res0603	1
Res0603	Resistor	R24	25K	RESC1608N	Res0603	1
Res0603	Resistor	R25	9K1	RESC1608N	Res0603	1
Res0603	Resistor	R26	1K	RESC1608N	Res0603	1
Res0603	Resistor	R27	4K7	RESC1608N	Res0603	1
Res0603	Resistor	R28	30k	RESC1608N	Res0603	1
Res0603	Resistor	R29	300R	RESC1608N	Res0603	1
Res0603	Resistor	R30	10K	RESC1608N	Res0603	1
Res0603	Resistor	R31	360R	RESC1608N	Res0603	1
Res0603	Resistor	R32	200K	RESC1608N	Res0603	1
Res0603	Resistor	R33	1k5	RESC1608N	Res0603	1
Res0603	Resistor	R34	100R	RESC1608N	Res0603	1
Res0603	Resistor	R35	10K	RESC1608N	Res0603	1
Res0603	Resistor	R36	1k5	RESC1608N	Res0603	1
Res0603	Resistor	R37	10K	RESC1608N	Res0603	1
Res0603	Resistor	R38	100R	RESC1608N	Res0603	1
Res0603	Resistor	R39	0R	RESC1608N	Res0603	1
Res0603	Resistor	R40	0R	RESC1608N	Res0603	1
Res0603	Resistor	R41	0R	RESC1608N	Res0603	1
Res0603	Resistor	R42	0R	RESC1608N	Res0603	1
Res1206	Resistor	R43	1K	RESC3216N	Res1206	1
Res0603	Resistor	R44	6k2	RESC1608N	Res0603	1
Res0603	Resistor	R45	150k	RESC1608N	Res0603	1
Res0603	Resistor	R46	25K	RESC1608N	Res0603	1

Tabelle1

Res0603	Resistor	R47	6k2	RESC1608N	Res0603	1
Res0603	Resistor	R48	13k	RESC1608N	Res0603	1
Res0603	Resistor	R49	25K	RESC1608N	Res0603	1
Res0603	Resistor	R50	25K	RESC1608N	Res0603	1
Res0603	Resistor	R51	25K	RESC1608N	Res0603	1
Res0603	Resistor	R52	25K	RESC1608N	Res0603	1
Res0603	Resistor	R53	49R9	RESC1608N	Res0603	1
Res0603	Resistor	R54	5k6	RESC1608N	Res0603	1
Res0603	Resistor	R55	100R	RESC1608N	Res0603	1
Res0603	Resistor	R56	5k6	RESC1608N	Res0603	1
Res0603	Resistor	R57	47K	RESC1608N	Res0603	1
Res0603	Resistor	R58	100R	RESC1608N	Res0603	1
Res0603	Resistor	R59	5k6	RESC1608N	Res0603	1
Res0603	Resistor	R60	47K	RESC1608N	Res0603	1
Res0603	Resistor	R61	5k6	RESC1608N	Res0603	1
Res0603	Resistor	R62	47K	RESC1608N	Res0603	1
Res0603	Resistor	R63	680R	RESC1608N	Res0603	1
Res0603	Resistor	R64	7K	RESC1608N	Res0603	1
Res0603	Resistor	R65	47K	RESC1608N	Res0603	1
Res0603	Resistor	R66	47K	RESC1608N	Res0603	1
Res0603	Resistor	R67	10k	RESC1608N	Res0603	1
Res0603	Resistor	R68	10K	RESC1608N	Res0603	1
Res0603	Resistor	R69	54k9K	RESC1608N	Res0603	1
Res0603	Resistor	R70	4k7	RESC1608N	Res0603	1
Res0603	Resistor	R71	4k99	RESC1608N	Res0603	1
Res0603	Resistor	R72	15k	RESC1608N	Res0603	1
Res0603	Resistor	R73	4k7	RESC1608N	Res0603	1
Res0603	Resistor	R74	182k	RESC1608N	Res0603	1
Res0603	Resistor	R75	47k	RESC1608N	Res0603	1
Res0603	Resistor	R76	47k	RESC1608N	Res0603	1
Res0603	Resistor	R77	2k2	RESC1608N	Res0603	1
Res0603	Resistor	R78	16k	RESC1608N	Res0603	1
Res0603	Resistor	R79	2k2	RESC1608N	Res0603	1
Res0603	Resistor	R80	16k	RESC1608N	Res0603	1
Res0603	Resistor	R81	2k2	RESC1608N	Res0603	1
Res0603	Resistor	R82	16k	RESC1608N	Res0603	1
Res0603	Resistor	R83	2k2	RESC1608N	Res0603	1
Res0603	Resistor	R84	16k	RESC1608N	Res0603	1
Res0603	Resistor	R85	2k2	RESC1608N	Res0603	1
Res0603	Resistor	R86	16k	RESC1608N	Res0603	1
Res0603	Resistor	R87	2k2	RESC1608N	Res0603	1
Res0603	Resistor	R88	16k	RESC1608N	Res0603	1
Res0603	Resistor	R89	2k2	RESC1608N	Res0603	1
Res0603	Resistor	R90	16k	RESC1608N	Res0603	1
Res0603	Resistor	R91	2k2	RESC1608N	Res0603	1
Res0603	Resistor	R92	16k	RESC1608N	Res0603	1
Res0603	Resistor	R93	10k	RESC1608N	Res0603	1
Res0603	Resistor	R94	100R	RESC1608N	Res0603	1
SW-DIP2		S1		MINIDIP2	SW-DIP2	1
	603 Harwin SMD Testpad	TP1	S1751-46R	TESTPAD-SMD-0603	TESTPAD-SMD-0603	1
	603 Harwin SMD Testpad	TP2	S1751-46R	TESTPAD-SMD-0603	TESTPAD-SMD-0603	1
	603 Harwin SMD Testpad	TP3	S1751-46R	TESTPAD-SMD-0603	TESTPAD-SMD-0603	1
	1206 Harwin SMD Testpad	TP4	S1751-46R	TESTPAD-SMD-1206	TESTPAD-SMD-1206	1
	1206 Harwin SMD Testpad	TP5	S1751-46R	TESTPAD-SMD-1206	TESTPAD-SMD-1206	1
TL084CPW	JFET-INPUT OPERATIONAL AMPLIFIER	U1		TSOP65P640-14AL	TL084CPW	1
TL084CPW	JFET-INPUT OPERATIONAL AMPLIFIER	U2		TSOP65P640-14AL	TL084CPW	1
TL082CPW	JFET-INPUT OPERATIONAL AMPLIFIER	U3		TSOP65P640-8AL	TL082CPW	1
REF3040	Voltage Reference +4V	U4		SOT23-3AL	REF3040	1
TL750L05	LOW-DROPOUT VOLTAGE REGULATORS	U5		SOIC127P600-8L	TL750L05	1
TL750L12	LOW-DROPOUT VOLTAGE REGULATORS	U6		SOIC127P600-8L	TL750L12	1
MC79L12ABDG	100 mA Negative Voltage Regulators	U7		SOIC127P600-8L	MC79L12ABDG	1
MC79L05ABDG	100 mA Negative Voltage Regulators	U8		SOIC127P600-8L	MC79L05ABDG	1
SN74LVC1G07	Line Driver / Buffer	U9		SOT353-5N	SN74LVC1G07	1
OPA846	Wideband, Low-Noise, Voltage-Feedback OPERATIONAL AMPLIFIER	U10		SOT23-5AL	OPA846	1
LT1215CS8	23MHz, 50V/ $\mu$ s, Single Supply Dual Precision Operational Amplifier	U11		S8_N	LT1215CS8	1
WM8731	Portable Internet Audio CODEC with Headphone Driver and Programmable Sample Rates	U12		SOP65P810-28L	WM8731	1
TLC3578	5-V ANALGO, 3-/5-V Digital, 14/12-BIT, 200-KSPS, 4-/8-CHANNEL SERIAL ANALOG-TO-DIGITAL CONVERTERS WITH +/- 10-V INPUTS	U13		TSOP65P640-24AL	TLC3578	1
DAC8168ICPW	12-/14-/16-Bit, Octal-Channel, Ultra-Low Glitch, Voltage Output DIGITAL-TO-ANALOG CONVERTERS with 2.5V, 2ppm/ $^{\circ}$ C Internal Reference	U14		TSOP65P640-16AL	DAC8168ICPW	1
LT3471	Dual 1.3 A, 1.2 MHz Boost/Inverter	U15		SON50P300X300X80-10W2L_2	LT3471	1
FST16211	24-Bit Bus Switch	U16		SOP635P1035-56N	FST16211	1
FST16211	24-Bit Bus Switch	U17		SOP635P1035-56N	FST16211	1
LT1216CS	23MHz, 50V/ $\mu$ s, Single Supply Quad Precision Operational Amplifier	U18		S16_N	LT1216CS	1
LT1216CS	23MHz, 50V/ $\mu$ s, Single Supply Quad Precision Operational Amplifier	U19		S16_N	LT1216CS	1
SN74LVC1G04	INVERTER, SINGLE, SMD	U20		SOT353-5N	SN74LVC1G04	1
TL082CPW	JFET-INPUT OPERATIONAL AMPLIFIER	U21		TSOP65P640-8AL	TL082CPW	1