

Bill of Materials

Gecko3: SoC Development Platform

Source Data From: GECKO3.PRJPCB
 Project: GECKO3.PRJPCB
 Variant: None

Exchange rate to CHF 1.65 Euro
 1.23 \$



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Footprint	Value	LibRef	Designator	Description	Quantity	Manufacturer	Part Number	Distributor	Distributor Number	Packaging unit	lead time	RoHS	Prize	Currency	In CHF	CHF for Qty	
0805	2.2uF	Cap	C1_CNF, C2_CNF, C3_CNF, C4_CNF, C5_CNF, C5_USB, C6_CNF	Capacitor	7	Murata	GRM21BR71A225KA01L	Distrelec	823 517	1		yes	0.54	CHF	0.54	3.78	
0402	100nF	C0402, Cap	C1_ETH, C1_FL, C2_ETH, C2_FL, C3_ETH, C3_FL, C4_ETH, C4_USB, C5_ETH, C5_FL, C6_ETH, C6_FL, C7_CNF, C7_ETH, C7_FL, C7_USB, C8_CNF, C8_ETH, C8_USB, C9_CNF, C10_CNF, C10_USB, C11_CNF, C11_ETH, C11_PWR, C11_USB, C12_CNF, C12_ETH, C12_USB, C13_CNF, C13_USB, C14_CNF, C15_CNF, C15_PWR, C16_CNF, C17_CNF, C18_CNF, C19_CNF, C20_CNF, C22_PWR	Capacitor, Ceramic Chip Capacitor - Standard	40	Murata	GRM155R71C104KA88D	Farnell	8819 742	10		yes	0.07	CHF	0.07	2.80	
0402	47pF	Cap	C1_FP1, C1_FP2, C1_R0, C1_R1, C2_FP1, C2_FP2, C2_R0, C2_R1	Capacitor	8	Murata	GRM1555C1H470JZ01D	Farnell	8819 670	10		yes	0.07	CHF	0.07	0.56	
0402	1nF	Cap	C1_PWR, C3_PWR, C9_USB	Capacitor	3	PHYCOMP	2238 587 15623	Farnell	3019 380	10		yes	0.11	CHF	0.11	0.33	
CC3216-1206	4.7nF 1KV SMD	C	C1_USB	Capacitor	1	AVX	1206AC472KAT1A	Farnell	1216 464	5		yes	0.38	CHF	0.38	0.38	
D	470uF	Cap Pol3	C2_IO	Polarized Capacitor (Surface Mount)	1	Kemet	B45196-H2477-K509	Distrelec	811 024	1		yes	3.77	CHF	3.77	3.77	
0402	22pF	Cap	C2_PWR, C6_PWR	Capacitor	2	Murata	GRM1555C1H220JZ01D	Farnell	8819 629	10		yes	0.07	CHF	0.07	0.14	
0402	15pF	C0402, Cap	C2_USB, C3_USB, C9_ETH, C10_ETH	Capacitor, Ceramic Chip Capacitor - Standard	4	AVX	04025A15QJAT2A	Farnell	1327 631	1		yes	0.07	CHF	0.07	0.28	
1206	10uF	Cap	C4_FL, C8_PWR, C10_PWR, C13_ETH, C17_PWR, C45_CNF, C46_CNF, C47_CNF, C67_CNF	Capacitor	9	Murata	GRM31CR70J106KA01L	Farnell	9527 729	1		yes	0.25	CHF	0.25	2.25	
1210, CC3225	22uF	Cap	C4_PWR, C5_PWR	Capacitor	2	Yuden	EMK325BJ226MM-T	Farnell	6578 950	1	14 Tage	yes	0.67	CHF	0.67	1.34	
0402	3.3nF	Cap	C6_USB, C16_PWR, C18_PWR, C19_PWR, C20_PWR, C21_CNF, C21_PWR, C22_CNF, C23_CNF, C24_CNF, C25_CNF, C26_CNF, C27_CNF, C28_CNF, C29_CNF, C30_CNF, C31_CNF, C32_CNF, C33_CNF, C34_CNF, C35_CNF, C36_CNF, C37_CNF, C38_CNF, C39_CNF, C40_CNF, C41_CNF, C42_CNF, C43_CNF, C44_CNF, C56_CNF, C57_CNF, C58_CNF, C59_CNF, C60_CNF, C61_CNF, C62_CNF, C63_CNF, C64_CNF, C65_CNF, C66_CNF, C81_CNF, C82_CNF, C83_CNF, C84_CNF, C85_CNF, C86_CNF, C87_CNF, C88_CNF, C89_CNF, C90_CNF, C91_CNF, C92_CNF, C93_CNF, C94_CNF, C95_CNF, C96_CNF, C97_CNF, C98_CNF	Capacitor	59	PHYCOMP	2238 587 15629	Farnell	3019 410	10			yes	0.11	CHF	0.11	6.49
B	100uF	T492B	C7_PWR	Solid Tantalum Chip Capacitor, T492 Series	1	AVX	TCJB107M004R0070	Farnell	1135 228	1		yes	0.98	CHF	0.98	0.98	
0805	680nF	Cap	C9_PWR, C48_CNF, C49_CNF, C50_CNF, C68_CNF, C69_CNF, C70_CNF, C71_CNF	Capacitor	8	PHYCOMP	2238 240 15661	Farnell	3352 055	10		yes	0.34	CHF	0.34	2.72	
0402	47nF	Cap	C12_PWR, C13_PWR, C14_PWR, C51_CNF, C52_CNF, C53_CNF, C54_CNF, C55_CNF, C72_CNF, C73_CNF, C74_CNF, C75_CNF, C76_CNF, C77_CNF, C78_CNF, C79_CNF, C80_CNF	Capacitor	17	PHYCOMP	2238 787 19845	Farnell	3019 469	10		yes	0.15	CHF	0.15	2.55	

stan-led4	BRBG1211C	1211C-LED	D1_ETH, D1_I2C, D1_SW, D2_SW, D3_SW, D4_SW	Stanley 1211C Bi-Color Ultra Compact SMT	6	Stanley	BRBG1211C	Distrelec	253183	1			yes	0.86	CHF	0.86	5.16		
0603	MLB-160808-S60	FERRITE-BEAD	FB1_IO, FB1_USB, FB2_IO		3	Kitagawa	MLB-160808-S600Q	Distrelec	330131	5			yes	0.75	CHF	0.75	2.25		
M22-2540305	M22-2540305	M22-2540305	JP1_ETH		1	HARWIN	M22F2040305	Farnell	672 210	1			yes	2.3	CHF	2.3	2.30		
amp FH .8mm	In-120r-9mm	AMP-FH-120-RE	JP1_IO2, JP2_IO	AMP Free Height System, 0.8mm, 120 Pin, 9	2	AMP	5-5179009-5	Farnell	1098 355	1			yes	6.85	CHF	6.85	13.70		
amp FH .8mm	In-120p-5mm	AMP-FH-120-Plu	JP1_IO, JP2_IO2	AMP Free Height System, 0.8mm, 120 Pin, 5	2	AMP	5177984-5	Farnell	1098 339	1			yes	7.95	CHF	7.95	15.90		
HDR1X6H-90	Header 1x6, right	JTAG_CONN	JP1_JTAG	Header, 6-Pin, Right Angle	1	Fischer	SL1/53/36 Z	Distrelec	122 201	6			yes	2.69	CHF	2.69	2.69		
USB MINI B	miniUSB-smt	USB-MINIB-SMT	JP1_USB		1	Lumberg	2486 01	Farnell	1243 250	1			yes	2.55	CHF	2.55	2.55		
M22-2040205	M22-2040205	M22-2040205	JP2_JTAG		1	HARWIN	M22-2040205	Farnell	672 208	1			yes	1.2	CHF	1.2	1.20		
0603	22nH	Inductor	L1_ETH	Inductor	1	Panasonic	ELJRE22NJFA	Farnell	1198381	5			yes	0.45	CHF	0.45	0.45		
coil-sd-serie	2uH	COIL-SD-SERIE	L1_PWR	SD Series Coils from Coiltronics	1	Cooper Busm	SD14-2R0-R	Hy-Line		3800	10 Days		yes	1.85	CHF	1.85	1.85		
AT49	25MHz	QUARZ-SMD	Q1_ETH	SMD Quarz in the AT49 Case, like the ABLS	1	ABRACON	ABLS-25.000MHZ-B2F-T	Farnell	7940579	1	2 Weeks		yes	0.53	CHF	0.53	0.53		
SMD-VX3E	50MHz-osc	QUARZ_OSZI_S	Q1_FP1	TTL Quarz Oscillator	1	Jauch	VX3MH-5000	Distrelec	644127	1			yes	6.99	CHF	6.99	6.99		
AT49	24MHz	QUARZ-SMD	Q1_USB	SMD Quarz in the AT49 Case, like the ABLS	1	auris	Q-24.000M-HC49USMSD	Distrelec	335040	1			yes	1.29	CHF	1.29	1.29		
0402	100R	Res2	R1_CNF, R1_JTAG, R2_JTAG, R3_JTAG, R6_PWR, R7_PWR	Resistor	6	PHYCOMP	232270671001	Farnell	9239111	50			yes	0.12	CHF	0.12	0.72		
0402	27R	Res2	R1_ETH, R2_FP1, R2_R0, R2_R1, R4_USB	Resistor	5	PHYCOMP	232270672709	Farnell	9239049	50			yes	0.12	CHF	0.12	0.60		
0402	4.7K	Res2	R1_FL, R1_FP1, R2_FL, R3_ETH, R3_FL, R3_I2C, R4_FL, R9_SW, R10_SW, R11_SW, R12_SW, R13_SW, R14_SW, R15_SW, R16_SW	Resistor	15	PHYCOMP	232270674702	Farnell	9239316	50			yes	0.12	CHF	0.12	1.80		
0402	120R	Res2	R1_I2C, R1_SW, R3_SW, R5_SW, R7_SW, R10_ETH	Resistor	6	PHYCOMP	232270671201	Farnell	9239120	50			yes	0.12	CHF	0.12	0.72		
0402	2.2K	Res2	R1_IO, R2_IO, R2_USB, R3_USB, R4_ETH, R5_ETH	Resistor	6	PHYCOMP	232270672202	Farnell	9239278	50			yes	0.12	CHF	0.12	0.72		
0402	2.2M	Res2	R1_PWR	Resistor	1	PHYCOMP	232270672205	Farnell	9239618	50			yes	0.12	CHF	0.12	0.12		
CC3216-1206	1M 250V	Res2	R1_USB	Resistor	1	Multicomp	MC 0.125W 1206 1% 1M	Farnell	9335781	50			X-yes	0.055	CHF	0.055	0.06		
0402	330R	Res2	R2_CNF	Resistor	1	PHYCOMP	232270673301	Farnell	9239170	50			yes	0.12	CHF	0.12	0.12		
0603	4.87K	Res2	R2_ETH	Resistor	1	Multicomp	MC 0.063W 0603 1% 4K8	Farnell	1170858	50			X-yes	0.09	CHF	0.09	0.09		
0402	220R	Res2	R2_I2C, R2_SW, R4_SW, R6_SW, R8_SW, R11_ETH	Resistor	6	PHYCOMP	232270672201	Farnell	9239154	50			yes	0.12	CHF	0.12	0.72		
0402	180K	Res2	R2_PWR	Resistor	1	PHYCOMP	232270671804	Farnell	9239502	50			yes	0.12	CHF	0.12	0.12		
0402	68R	Res2	R3_CNF, R4_CNF	Resistor	2	PHYCOMP	232270676809	Farnell	9239090	50			yes	0.12	CHF	0.12	0.24		
0603	6.2K	Res2	R3_PWR	Resistor	1	Multicomp	MC 0.063W 0603 1% 6K2	Farnell	9331409	50			X-yes	0.055	CHF	0.055	0.06		
0603	160K	Res2	R4_PWR	Resistor	1	Multicomp	MC 0.063W 0603 1% 160K	Farnell	9330682	50			X-yes	0.055	CHF	0.055	0.06		
0402	82K	Res2	R5_PWR, R6_USB	Resistor	2	PHYCOMP	232270678203	Farnell	9239464	50			yes	0.12	CHF	0.12	0.24		
0402	330k	Res2	R5_USB	Resistor	1	PHYCOMP	232270673304	Farnell	9239537	50			yes	0.12	CHF	0.12	0.12		
0402	10R	Res2	R8_PWR	Resistor	1	TYCO ELECT	CRG0402J10R-10	Farnell	1174141	50			yes	0.09	CHF	0.09	0.09		
0603	49.9R	Res2	R9_ETH, R12_ETH, R13_ETH, R14_ETH	Resistor	4	Multicomp	MC 0.063W 0603 1% 49R	Farnell	1170658	50			X-yes	0.06	CHF	0.06	0.24		
0402	1.2K	Res2	R15_ETH, R16_ETH	Resistor	2	PHYCOMP	232270671202	Farnell	9239243	50			yes	0.12	CHF	0.12	0.24		
1206_ARRAY	4x27	R_ARRAY_4_S	RA1_R0, RA1_R1, RA2_R0, RA2_R1, RA3_R0, RA3_R1, RA4_R0, RA4_R1, RA5_R0, RA5_R1, RA6_R0, RA6_R1, RA7_R0, RA7_R1, RA8_R0, RA8_R1, RA9_R0, RA9_R1, RA10_R0, RA10_R1, RA11_R0, RA11_R1		22	PHYCOMP	235003410279	Farnell	9234969	10			yes	0.17	CHF	0.17	3.74		
MINIDIP2	SMD-DIP2	SW-DIP2	S1_I2C		1	TYCO	GDH02S	Farnell	1123952	1			yes	7.1	CHF	7.1	7.10		
FSM	FSM	SW_PB	S1_SW, S1_USB, S2_SW, S3_SW, S4_SW		5	TYCO	0-1437565-1	Distrelec	200858	1			yes	0.86	CHF	0.86	4.30		
DIP4	SW-DIP4	SW-DIP4	S5_SW		1	Diptronics	PM-040900	Distrelec	210036	1			yes	3.34	CHF	3.34	3.34		
TESTPAD-SM	S1751-46R	TESTPAD-SMD	TP1_PWR	Harwin SMD Testpad	1	HARWIN	S1751-46R	Farnell	1022 338	100			yes	0.1895	CHF	0.1895	0.19		
FG676	XC3S4000-5FG6	XC3S1500-5FG6	U1	Spartan-3 1.2V FPGA, 487 User I/Os, 676-ba	1	Xilinx	XC3S4000-5FG676C	Silica	XC3S40005FG676C	40	6 Weeks		yes	184.72	CHF	184.72	184.72		
F-QFP7X7-G4	DP83848I	DP83848I	U1_ETH	Single Port 10/100 Mb/s Ethernet Physical La	1	National	DP83848I/VV/NOPB	EBV	DP83848I/VV/NOPB	1			yes	5.55	CHF	5.55	5.55		
TSSO14X20-C	JS28F128J3D-75	JS28FXXXJ3D-7	U1_FL, U2_FL	Intel embedded Flash J3	2	Intel	JS28F128J3D-75	Silica	JS28F128J3D-75	96	13 Weeks		yes	10.2	\$	12.55	25.09		
TSSO3X6-G8	PCA9536DP	PCA9536	U1_I2C	4-bit I2C I/O Port	1	TI	PCA9536DGKR	Farnell	1310 217	1	2 Weeks		yes	2.45	CHF	2.45	2.45		
QFN16	LTC3412A	LTC3412A	U1_PWR	3 A, 4 MHz, Step-Down Regulator	1	Linear	LTC3412AEUF#PBF	Linear online	LTC3412AEUF#PBF	1	2 Weeks		yes	4.93	\$	6.06	6.06		
TSOP66	MT46V32M16P5B	DDR-SDRAM	U1_R0, U1_R1	general model for ddr sdram's	2	Micron	MT46V32M16P5B	Silica	MT46V32M16P5B	108	12 Weeks		yes	15.87	CHF	15.87	31.74		
VDFPN8	M25P32-VDFPN	M25P32	U1_SP1	Serial Flash Memory, Low Voltage, 50 MHz s	1	ST	M25P32-VME6G	Silica	M25P32VME6G	320	12 Weeks		yes	6.92	CHF	6.92	6.92		
QFN8x8	CY7C68013A-56	EZ-USB-FX2_QF	U1_USB		1	Cypress	CY7C68013A-56LFXC	Silica	CY7C68013A56LFXC	260	5 Weeks		yes	12.39	CHF	12.39	12.39		
SO-G8	24LC128-I/SN	24LC128-I/SN	U2_I2C		1	Microchip	24LC128-I/SN	Silica	24LC128I/SN	100	6 Weeks		yes	0.96	CHF	0.96	0.96		
TO-252	LP8340CDT-2.5	LP8340CDT	U2_PWR	Low Dropout, Low IQ, 1.0A CMOS Linear Re	1	National	LP8340CDT-2.5	EBV	LP8340CDT-2.5/NOPB	75	6 Weeks		yes	1.065	CHF	1.065	1.07		
TSOP-23-5	LTC4411	LTC4411	U2_USB		1	Linear	LTC4411ES5#PBF	Linear online	LTC4411ES5#PBF	1	2 Weeks		yes	2.36	\$	2.90	2.90		
Total Number of parts																290	Total in CHF		390.82

Approved	Notes