

## Bill of materials

Table 1. STEVAL-A6986IV3 bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	1	CVcc	470nF	MLCC	TDK	CGA3E3X7R1H474K080AB
2	1	Cp	4.7pF	MLCC	TDK	CGA3E2C0G1H4R7C080AA
3	1	Cc	680pF	MLCC	Samsung	CAP CER 680PF 50V COG/NP0 0603
4	1	Cff	-	MLCC		
5	3	Cf1,Cf2,Cf3	4.7uF	MLCC	Samsung	CL10C820JB81PND
6	4	Cgnd1,Cgnd2,Cgnd3,Cgnd4	4.7nF	MLCC	Knowles Syfer	1812Y2K00472KST
7	2	Cin2,Cin3	-	MLCC		
8	1	Cin1	10uF	MLCC	Murata	GRT31CR61H106KE01L
9	1	Coutp	10uF	MLCC	Taiyo Yuden	TMK212BBJ106KGHT
10	1	Cio1	4.7uF	MLCC	TDK	CGA4J3X5R1H475K125AB
11	1	Cio2	100nF	MLCC	Murata	GCM21BR71H104KA37K
12	2	Rf1,Rf2	-	SMD resistor		
13	1	Cin4	100uF	Electrolytic Polymer Aluminum capacitor	Kemet	A768MS107M1HLAV024
14	1	Css	68nF	MLCC	Samsung	CL10B683KB8WPNC
15	1	Rfsw1	-	SMD resistor		
16	1	Rfsw2	0Ω	SMD resistor	Panasonic	ERJ-3GEY0R00V
17	4	Ciso1,Ciso2,Ciso3,Ciso4	10uF	MLCC	TDK	CGA4J3X5R1H475K125AB
18	4	D1, D2,D3,D4	STPS1150-Y, SMA	Schottky diode	ST	<a href="#">STPS1150AY</a>
19	12	Cpos1,Cneg1,Cldo1,Cpos2,Cneg2,Cldo2,Cpos3,Cneg3,Cldo3,Cpos4,Cneg4,Cldo4	1uF	MLCC	Murata	GCM31CL81H105KA55L
20	4	C50,C51,C52,C53	1nF	MLCC	Murata	GCM188R71H102KA37D
21	4	Csn1,Csn2,Csn3,Csn4	82pF	MLCC	Samsung	CL10C820JB81PND
22	4	LDO1,LDO2,LDO3,LDO4	LDH40PURY, DFN 6L 2X2X 0.75 PITCH0.65 AG	LDO	ST	<a href="#">LDH40PURY</a>
23	1	Lf1	MPZ2012S221A	SMD ferrite bead	TDK	MPZ2012S221AT000
24	1	Lf2	4.7uH	Inductor	Coilcraft	XGL4030-472MEC

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25	1	Rc	56kΩ	SMD resistor	Panasonic	ERJ-UP3F5602V
26	1	Rfb1	11kΩ	SMD resistor	Panasonic	ERJ-UP3F1102V
27	1	Rfb2	1kΩ	SMD resistor	ROHM	ESR03EZPF1001
28	4	Rsn1,Rsn2,Rsn3,Rsn4	1kΩ	SMD resistor	Vishay	CRCW08051K00FKEAHP
29	4	R1, R5, R9, R13	11.5kΩ	SMD resistor	Vishay	RCS060311K5FKEA
30	4	R2a,R6a,R10a,R14a	825Ω	SMD resistor	Vishay	RCS0603825RFKEA
31	4	R2b,R6b,R10b,R14b	1kΩ	SMD resistor	ROHM	ESR03EZPF1001
32	4	R3a,R7a,R11a,R15a	10kΩ	SMD resistor	ROHM	ESR03EZPF1002
33	4	R3b,R7b,R11b,R15b	22kΩ	SMD resistor	Panasonic	ERJ-UP3F2202V
34	4	R4, R8, R12, R16	10kΩ	SMD resistor	ROHM	ESR03EZPF1002
35	4	SW1,SW2,SW3,SW4	-	Micro switch	Nidec Components Corporation	CAS-D20TA
Coilc	1	T1	ZC1905-BE	Transformer	Coilcraft	ZC1905-BE
37	1	U1	A6986ITR, HTSSOP16	Buck regulator	ST	<a href="#">A6986ITR</a>
38	4	Z1,Z2,Z3,Z4	TL431BL3T, SOT23	Shunt voltage reference	ST	<a href="#">TL431BL3T</a>
39	15	TP7, TP44, TP45, TP46, TP56, TP57, TP58, TP59, TP60, TP61, TP62, TP63, TP64, TP65, TP66	Test points		Ettinger	013.14.125

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