



## Bill of materials

Table 1. STEVAL-L99MH98 bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	1	BJT1	BC817	NPN Bipolar Transistor	Onsemi	BC817-16LT1G
2	4	C1, C3, C4, C9	NC	Not Connected		
3	2	C2, C5	1nF	CSO filtering	Samsung	CL10B102KB8WPNC
4	2	C6, C10	22uF	Capacitor	Würth Elektronik	865060745003
5	4	C7, C11, C12, C13	100nF	Capacitor	Samsung	CL10B104KB8WPNC
6	1	C8	220nF	Capacitor	Murata	GRM188R71H224KAC4D
7	20	C14, C15, C16, C20, C21, C22, C23, C25, C26, C29, C30, C31, C35, C36, C42, C43, C44, C45, C48, C49	NC	Capacitor		
8	8	C32, C33, C34, C39, C40, C41, C46, C47	33nF	Capacitor (Semiconductor SIM Model)	Multicomp PRO	MC0603B333K500CT
9	8	C17, C18, C19, C24, C27, C28, C37, C38	470uF	Polarized Capacitor (Surface Mount)	Multicomp PRO	MCVFZ050M471JB7L
10	1	CN1	Header 7X2	Header, 7-Pin, Dual row	Preci-Dip	803-87-014-10-001101
11	2	CON3, CON4	CON2	Connector	Würth Elektronik	691213510002
12	1	CN7	Header 11X2	Header, 11-Pin, Dual row	Preci-Dip	803-87-022-10-001101
13	1	CN10	Header 19X2	Header, 19-Pin, Dual row	Preci-Dip	803-87-038-10-001101
14	1	CON1	Header 8X1	Header, 8-Pin, Single row	Molex	22-28-4082
15	1	CON2	Header 5X1	Header, 5-Pin, Single row	Molex	22-28-4051
16	1	D1	LED-BLUE		Dialight	5988191107F
17	1	D2	LED-RED		Dialight	5988130107F
18	1	D3	LED-GREEN		Lumex	SML-LX0805SGC-TR.
19	1	D4	STPS1H100AY, SMA	Default Diode	ST	<a href="#">STPS1H100AY</a>
20	7	D5, D6, D7, D8, D9, D10, D11	1N4148W+	Default Diode	Vishay	1N4148W+
21	4	J3, J4, J5, J6	CON3	Connector	Camdenboss	CTBP0500/3
22	7	R1, R2, R5, R10, R11, R14, R15	10K		TE connectivity	1622829-2
23	1	R6	1K4		Vishay	CRCW06031K40FKEA

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
24	2	R3, R4	680R	Resistor	Multicomp PRO	MCWR06X6800FTL
25	3	R7, R8, R9	2K2		Walsin	WF06P2201FTL
26	2	R13, R16	1K		TE connectivity	CRG0603F1K0
27	1	R12	470R	Resistor	TE connectivity	CRGH0603J470R
28	2	R17, R18	100K	Resistor	TE connectivity	1622827-1
29	24	R19, R20, R21, R25, R26, R27, R28, R29, R30, R34, R35, R36, R40, R41, R42, R43, R44, R45, R49, R50, R53, R54, R55, R56	0R	Resistor	Vishay	WSL251200000ZEA9
30	16	R22, R23, R24, R31, R32, R33, R37, R38, R39, R46, R47, R48, R51, R52, R57, R58	1M	Resistor	TE connectivity	CRGH0603J1M0
31	37	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37	CON1	Connector	Vero	20-313143
32	1	TR1	SMCJ33CA		Littelfuse	SMCJ33CA
33	1	Q1	STL285N4F7AG, PowerFLAT 5x6 WF	Reverse battery mosfet	ST	<a href="#">STL285N4F7AG</a>
34	1	JP1	Header 3x1	JUMPER 3CH	Molex	22-28-4031
35	8	Mosfet1, Mosfet2, Mosfet3, Mosfet4, Mosfet5, Mosfet6, Mosfet7, Mosfet8	STL76DN4LF7AG , PowerFLAT 5x6 double island WF		ST	<a href="#">STL76DN4LF7AG</a>
36	1	Pre Driver	L99MH98, VFQFN 7X7X0.9 48L WETT. FLANKS	Octal Half-bridge Pre Driver	ST	<a href="#">L99MH98-TR</a>

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