

## STEVAL-MKI119V1 BOM

### STEVAL-MKI109V2

Comment	Description	Designator	Footprint	LibRef	Quantity	Manufacturer	Supplier	Supplier's ordering code
10uF		C1	C1206_POL	C1206_POL	1		RS	624-2266
100nF	Capacitor	C2	0805	CAP	1		RS	237-7100
100nF	Capacitor	C3	0805	CAP	1		RS	237-7100
100nF	Capacitor	C4	0805	CAP	1		RS	237-7100
100nF	Capacitor	C5	0805	CAP	1		RS	237-7100
100nF	Capacitor	C6	0805	CAP	1		RS	237-7100
100nF	Capacitor	C7	0805	CAP	1		RS	237-7100
100nF	Capacitor	C8	0805	CAP	1		RS	237-7100
100nF	Capacitor	C9	0805	CAP	1		RS	237-7100
4.7uF		C10	C0805_POL	C0805_POL	1		DigiKey	490-4522-1-ND
1uF	Capacitor	C11	0805	CAP	1		RS	653-0535
1uF		C12	C0805_POL	C0805_POL	1		RS	653-0535
10uF		C13	C0805_POL	C0805_POL	1		RS	106-846
33nF	Capacitor	C14	0805	CAP	1		RS	237-7065
10nF	Capacitor	C17	0805	CAP	1		RS	624-2547
100nF	Capacitor	C26	0805	CAP	1		RS	237-7100
18pF	Capacitor	Cosc1	0805	CAP	1		RS	648-0935
18pF	Capacitor	Cosc2	0805	CAP	1		RS	648-0935
LED_SMDb		D1	LED_SMD_0805	LED_SMD	1		RS	466-3784
LED_SMDg		D2	LED_SMD_0805	LED_SMD	1		RS	654-5773
LED_SMDo		D3	LED_SMD_0805	LED_SMD	1		RS	654-5391
LED_SMDg		D4	LED_SMD_0805	LED_SMD	1		RS	654-5773
LED_SMDr		D5	LED_SMD_0805	LED_SMD	1		RS	497-4804
LED_SMDo		D6	LED_SMD_0805	LED_SMD	1		RS	654-5391
Power Supply	Connector	J2	Header 1x2 2mm	CON2	1		RS	5473251+1809353
USB_mini_B		J3	USB_mini_B	USB_mini_B_NEW	1		RS	515-1995
DIL Socket 24 PIN	Adapter Socket DIL 24	J4	HDR1X12	Header 12	1		RS	402-816
		J5	JP 1X12	Header 12		RS		
Current Measure	Connector	JP1	Header 1x2 2mm	CON2	1		RS	5473251+1809353
ST	Header, 3-Pin	JP4	Header 1x3 2mm	Header 3	1		RS	5473251+1809353
PD	Header, 3-Pin	JP5	Header 1x3 2mm	Header 3	1		RS	5473251+1809353
HP	Header, 3-Pin	JP6	Header 1x3 2mm	Header 3	1		RS	5473251+1809353
	Connector	JP7	Header 1x2 2mm	CON2	1		RS	5473251+1809353
	Connector	JP9	Header 1x2 2mm	CON2	1		RS	5473251+1809353
	Connector	JP10	Header 1x2 2mm	CON2	1		RS	5473251+1809353
16MHz		Osc1	Ceramic SMD Crystal 3.2x2.5mm	CERAMIC SMD CRYSTAL 3.2X2.5MM	1		DigiKey	535-9675-1-ND
BC817	NPN General Purpose Amplifier	Q1	SOT-23	BC817-25	1		RS	484-2252
BC817	NPN General Purpose Amplifier	Q2	sot-23	BC817-25	1		RS	484-2252
10K	Resistor	R2	0805	Res1	1		RS	223-0562
10K	Resistor	R3	0805	Res1	1		RS	223-0562
10K	Resistor	R4	0805	Res1	1		RS	223-0562
10K	Resistor	R5	0805	Res1	1		RS	223-0562
10K	Resistor	R6	0805	Res1	1		RS	223-0562
1M	Resistor	R7	0805	Res1	1		RS	223-0821
10K	Resistor	R8	0805	Res1	1		RS	223-0562
R0	Resistor	R9	0805	Res1	1		RS	223-0146
R0	Resistor	R10	0805	Res1	1		RS	223-0146
10K	Resistor	R11	0805	Res1	1		RS	223-0562
10K	Resistor	R12	0805	Res1	1		RS	223-0562
10K	Resistor	R13	0805	Res1	1		RS	223-0562
10K	Resistor	R14	0805	Res1	1		RS	223-0562

10K	Resistor	R17	0805	Res1	1	RS	223-0562
10K	Resistor	R18	0805	Res1	1	RS	223-0562
10K	Resistor	R19	0805	Res1	1	RS	223-0562
R0	Resistor	R20	0805	Res1	1	RS	223-0146
R0	Resistor	R21	0805	Res1	1	RS	223-0146
100R	Resistor	R22	0805	Res1	1	RS	223-0297
100R	Resistor	R23	0805	Res1	1	RS	223-0297
100R	Resistor	R24	0805	Res1	1	RS	223-0297
100R	Resistor	R25	0805	Res1	1	RS	223-0297
4.7K	Resistor	R26	0805	Res1	1	Distrelec	713310
4.7K	Resistor	R27	0805	Res1	1	Distrelec	713310
R0	Resistor	R28	0805	Res1	1	RS	223-0146
R0	Resistor	R29	0805	Res1	1	RS	223-0146
100R	Resistor	R30	0805	Res1	1	RS	223-0297
1K	Resistor	R31	0805	Res1	1	RS	223-0427
0R	Resistor	R32	0805	Res1	1	RS	223-0146
0R	Resistor	R33	0805	Res1	1	RS	223-0146
36K	Resistor	R34	0805	Res1	1	DigiKey	RHM36.0KCRCT-ND
180R	Resistor	R35	0805	Res1	1	RS	223-0326
1.5K	Resistor	R36	0805	Res1	1	RS	223-0449
22R	Resistor	R37	0805	Res1	1	RS	223-0203
22R	Resistor	R38	0805	Res1	1	RS	223-0203
47K	Resistor	R39	0805	Res1	1	RS	223-0641
BUTTON_SMT		SW1	Button_Micro_SMT	BUTTON_SMT	1	RS	505-9186
BUTTON_SMT		SW2	Button_Micro_SMT	BUTTON_SMT	1	RS	505-9186
BUTTON_SMT		SW3	Button_Micro_SMT	BUTTON_SMT	1	RS	505-9186
TS924		U1	SO14	TS924	1	ST	307-1235
lds3985xx30		U2	SOT23-5	Component_1	1	ST	DigiKey 497-6849-1-ND
TS924		U3	TS924	TS924	1	ST	RS 307-1235
TS922		U4	SO8_2	TS922	1	ST	RS 426-005
USBLC6-2P6		U5	SOT-666	USBLC6-2P6	1	ST	RS 515-1995
STM32F103RET6		U6	LQFP64		1	ST	ST

**STEVAL-MKI108V2**

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10uF	Cap Semi	C1	0805	Cap Semi	1	RS	106-846	
100nF	Cap Semi	C2	0603	Cap Semi	1	RS	220-7922	
4.7uF	CAP	C3	0603	CAP	1	Distrelec	823504	
0.22uF	CAP	C4	0603	CAP	1	RS	147-550	
100nF	CAP	C5	0603	CAP	1	RS	220-7922	
10uF	CAP	C6	0805	CAP	1	RS	106-846	
10nF	CAP	C7	0603	CAP	1	RS	204-0779	
470nF	CAP	C8	0603	CAP	1	Distrelec	823494	
Header 12	Header 12	JP1	HDR1X12	Header 12	1	RS	251-8632	
Header 12	Header 12	JP2	HDR1X12	Header 12	1	RS	251-8632	
0R	RES1	R1	0603	RES1	1	Distrelec	715151	
0R	RES1	R2	0603	RES1	1	Distrelec	715151	
10K	RES1	R3	0603	RES1	1	RS	684-5679	
0R	RES1	R5	0603	RES1	1	Distrelec	715151	
LSM303DLHC	LGA 3X5X0.9 14L	U1	LGA 3X5X0.9 14L	LGA 3X5X0.9 14L	1	ST	ST	
L3GD20	LGA 4X4X1.1 16L	U2	LGA 4X4X1.1 16L	LGA 4X4X1.1 16L	1	ST	ST	