

# Bill of Materials For PCB [MuSA Rev1.1]

Document reference:	PCB reference:
<b>MuSA Rev 1.1</b>	<b>STEVAL-MKI031V1</b>
Company: www.st.com	
<b>STMicroelectronics</b>	

Index	Quantity	Reference	Value / Generic Part Number	Package	Supplier	Supplier's ordering code
BAT1	1	Li-Ion battery	3V	LI_BAT2*2.5	Yoku batteries	62025
BL1	1	LCD backlight	G64128S05YBN00	SIP2		
BUZ	1	Buzzer	TP	BUZZER-1	RS	498-2596
C1	1	Capacitor	10uF	TAN-A	RS	496-3523
C2	1	Capacitor	2.2UF	TAN-A	RS	648-0660
C3	1	Capacitor	1uF	TAN-A	RS	538-2262
C4	1	Capacitor	1UF	TAN-A	RS	538-2262
C5	1	Capacitor	220nF	0603C	RS	624-2496
C6	1	Capacitor	4.7UF	TAN-A	RS	496-3545
C7	1	Capacitor	2.2nF	0603C	RS	624-2430
C8	1	Capacitor	220nF	0603C	RS	624-2496
C9	1	Capacitor	220nF	0603C	RS	624-2496
C10	1	Capacitor	1nF	0603C	RS	147-342
C11	1	Capacitor	2.2UF	TAN-A	RS	648-0660
C12	1	Capacitor	4.7UF	TAN-A	RS	496-3545
C13	1	Capacitor	1UF	TAN-A	RS	538-2262
C14	1	Capacitor	100nF	0603C	RS	220-7922
C15	1	Capacitor	100nF	0603C	RS	220-7922
C16	1	Capacitor	100nF	0603C	RS	220-7922
C17	1	Capacitor	100nF	0603C	RS	220-7922
C18	1	Capacitor	100nF	0603C	RS	220-7922
C19	1	Capacitor	4.7uF	0805C	RS	653-0478
C20	1	Capacitor	4.7uF	0805C	RS	653-0478
C21	1	Capacitor	4.7uF	0805C	RS	653-0478
C22	1	Capacitor	4.7uF	0805C	RS	653-0478
C23	1	Capacitor	4.7uF	TAN-A	RS	496-3545
C24	1	Capacitor	104P	0603C	RS	220-7922
C25	1	Capacitor	100nF	0603C	RS	220-7922
C26	1	Capacitor	47nF	0603C	RS	264-4618
C27	1	Capacitor	22nF	0603C	RS	464-6363
C28	1	Capacitor	22nF	0603C	RS	464-6363

C29	1	Capacitor	22nF	0603C	RS	464-6363
C30	1	Capacitor	100nF	0603C	RS	220-7922
C31	1	Capacitor	33pF	0603C	RS	298-9337
C32	1	Capacitor	100nF	0603C	RS	220-7922
C33	1	Capacitor	33pF	0603C	RS	298-9337
CN1	1		DM1AA-SF-PEJ(21)	MSD(47334-001)	DigiKey	WM19114TR-ND
CN2	1		LSH CONNECTOR 20	LSH-010-01-G-D-A-K	Samtec	LSH-010-01-G-D-A-K
CN3	1		USB_MINI_B	USB-MINI	RS	515-1995
D1	1		STPS1L40M	DO216	ST	STPS1L40M
JP1	1		SW IDC-2	SW2_4*6		
L1	1	Inductance	10uH	2520L		
LCD12864	1		ZYG12864	ZYG12864(0.5)		
LEDg1	1		GREEN	0603D	RS	450-985
LEDr1	1		RED	0603D	RS	450-711
PB1	1	Push button	ENTER	PB0.4	Distrelec	208932
PB2	1	Push button	ESC	PB0.4	Distrelec	208932
PB3	1	Push button	UP	PB0.4	Distrelec	208932
PB4	1	Push button	DOWN	PB0.4	Distrelec	208932
PB5	1	Push button	RESET	PB0.4	Distrelec	208932
Q1	1		2STR2215	SOT-23	ST	2STR2215
Q2	1		SO642	SOT-23	DigiKey	497-4650-1-ND
R1	1	Resistor	10K	0603R	RS	461-3830
R2	1	Resistor	10K	0603R	RS	461-3830
R3	1	Resistor	10K	0603R	RS	461-3830
R4	1	Resistor	10K	0603R	RS	461-3830
R5	1	Resistor	10K	0603R	RS	461-3830
R6	1	Resistor	10K	0603R	RS	461-3830
R7	1	Resistor	470	0603R	RS	213-2222
R8	1	Resistor	47K	0603R	RS	213-2496
R9	1	Resistor	470K	0603R	RS	213-2632
R10	1	Resistor	10K	0603R	RS	461-3830
R11	1	Resistor	1K	0603R	RS	461-3818
R12	1	Resistor	15R	0603R	RS	655-5635
R13	1	Resistor	470K	0603R	RS	213-2632
R14	1	Resistor	10K	0603R	RS	461-3830
R15	1	Resistor	470	0603R	RS	213-2222
R16	1	Resistor	47K	0603R	RS	213-2496
R17	1	Resistor	3K9	0603R	RS	213-2351
R18	1	Resistor	10K	0603R	RS	461-3830
R19	1	Resistor	0	0603R	RS	213-1982
R20	1	Resistor	330	0603R	RS	213-2200
R21	1	Resistor	330	0603R	RS	213-2200
R22	1	Resistor	10K	0603R	RS	461-3830
R23	1	Resistor	1K5	0603R	RS	213-2294
R24	1	Resistor	10K	0603R	RS	461-3830

R25	1	Resistor	10K	0603R	RS	461-3830
SW1	1	Switch	VCC_SEL	SS12D03	RS	461-3830
U2	1	Volatage regulator	LE33	SO8	ST	LE33
U3	1	DC-DC converter	ST662ABD	SO8	ST	ST662ABD
U4	1	LED power supply	STLD20D	SOT-23-8L	ST	STLD20D
U5	1	Li-Ion battery charger	L6924D	VFQFPN16	ST	L6924D
U6	1	3 axis digital accelerometer	LIS302DL	LGA14(3*5)	ST	LIS302DL
U7	1	3 axis digital accelerometer	LIS331DLH	LGA16(3*3)	ST	LIS331DLH
U8	1		ST72F651AR6T1E	TQFP64	ST	ST72F651AR6T1E-ND
U9	1	3 axis analog accelerometer	LIS344ALH	LGA16L(4*4)	ST	LIS344ALH
X1	1	cristal	12MHz	SMT_XTAL	Distrelec	644816