

mini32_FRDM.BOM

Qty.	Designator	Footprint	Description	LCSC. Part #
2	B1,B2	0402	FERRITE, 600ohm, 100MHz	C76886
4	C1,C2,C3,C4	0402	CAPACITOR, 10uF/6.3V	C15525
6	C5,C6,C7,C8,C9,C10	0402	CAPACITOR, 0.1uF/16V	C1525
1	D1	SOD-323	DIODE, 20V/1A, 1N5817WS	C489146
1	LED1	0603	LED, RED	C2286
1	P1	SMD-5P	MicroUSB	C40939
1	R1	0402	RESISTOR, 4.7K	C25900
1	R2	0402	RESISTOR, 1K	C11702
1	R3	0402	RESISTOR, 470 ohm	C25117
2	R4,R5	0402	RESISTOR, 22 ohm	C25092
1	S1	2x4x3.5	SPST, SIDE ACTUATED	C255809
1	U1	SOT-23-3	IC, 3.3V/300mA LDO	C177768
1	U2	LQFP64	Microcontroller, MK20DX256VLH7	MK20DX256VLH7 from any vendor
1	U3	QFN16	Bootloader IC, MKL02Z32VFG4	PJRC.com: IC_MKL02Z32_QFN16
1	Y1	SMD2520-4P	16 MHz crystal, 8PF	C284159
1	U4	Through Hole	1x40 male pin header, Right Angel	C124366

Note: 1. The U3 is a programmed part and it must be purchased from PJRC.com.

A blank U3 will not work.

2. The U4 consists of two 1x12 headers, you can make them from one 1x40 header.