







Designator	Quantity	Value	Library Reference	Footprint	Detail	SCH Desc
C1	1	1uF	CAP_CERAMIC	CAPC1608X07L	MLCC 0603	Ceramic capacitor
C2, C11	2	4.7uF	CAP_CERAMIC	CAPC3216X07L	MLCC 1206	Ceramic capacitor
C3, C4, C5	3	100n	CAP_CERAMIC	CAPC1608X07L	MLCC 0603	Ceramic capacitor
C6, C7	2	12p	CAP_CERAMIC	CAPC1608X07L	MLCC 0603	Ceramic capacitor
C8, C10	2	3.3nF	CAP_CERAMIC	CAPC1608X07L	MLCC 0603	Ceramic capacitor
C9	1	100nF	CAP_CERAMIC	CAPC1608X07L	MLCC 0603	Ceramic capacitor
Y1	1	8MHz	CRYSTAL	CRYSTAL	SMT Crystal 4.70x11.40mm Pitch 8.80mm	Crystal Oscillator
ENC1	1		ROTARY_ENCODER	PEC12R-4XXXF-SXXXX_1	Rotary encoder	Generic Rotary Encoder
U1	1		LDO	SOT230P700X180-4N	SOT223/4 6.5x7mm 2.3mm pitch	LDO Voltage Regulator
R1, R2	2	22r	RESISTOR	RESC1608X05L	0603 SMT Resistor	Resistor 1%
R3	1	1.5k	RESISTOR	RESC1608X05L	0603 SMT Resistor	Resistor 1%
R4	1	10k	RESISTOR	RESC1608X05L	0603 SMT Resistor	Resistor 1%
R5, R6	2	120	RESISTOR	RESC1608X05L	0603 SMT Resistor	Resistor 1%
R7	1	2K	RESISTOR	RESC1608X05L	0603 SMT Resistor	Resistor 1%
R8	1	520r	RESISTOR	RESC1608X05L	0603 SMT Resistor	Resistor 1%
D1	1		LED	Chip2PinSM127P600-8N	SMT LED 0603	SMT LED 0603
U2	1		STM32F103C8T6	CQFP50P900X900X160-48N	QFN48	STM32F103C8T6
J1	1		USB_SOCKET	USB Micro B midplane	Molex 47642 Type B Micro USB Receptacle	USB Receptacle