

Value	Designator	Footprint	Quantity	Comment	Description
470µF	C1	CAP 8x12	1	470µF	
22uF	C2	SMD 1210 CAP TANT Yellow	1	=+'22uF'+ ' '+16V"	TANT B SMD 22uF 16V 293D226X9016B2TE3
100nF 50V	C3, C5, C6, C7, C8, C9, C10	SMD 0603 CAP	7	100nF 50V	CL10B104KB85PNC
10uF	C4	SMD 1206 CAP TANT Yellow	1	=+'10uF'+ ' '+10V"	TANT A SMD 10uF 10V TAJA106K010RNJ
ZLLS1000TA	D1	SOT-23-3	1	ZLLS1000TA	Schottky Diode, Vr=40V, If=1.16A, Uf=0.43V/1.0A, Ifsm=22A/<100us, Ir=5uA typ, trr=5.0ns typ
OSY5LU3133A	D2, D3, D4, D5, D6, D7	LED-3mm Y	6	OSY5LU3133A	LED 3mm, 80mcd@20mA, 590nm Yellow, Transparent, 30°
OSR6NU3134A	D8, D9, D10, D11	LED-3mm R	4	OSR6NU3134A	3mm, 20mcd@30mA, 640nm Hi-Eff Red, Diffused, 30°
MF-NSMF035X-2	F1	SMD 1206 FUSE	1	MF-NSMF035X-2	PTC Resettable Fuse, Ihold 0.35A, 16V, SMD 1206
Wire	J1, J2, J3, J4	PN1X4, Wire-2	4	PN1X4, p1, p2	Single Row / Straight / Without Shroud Female header Female 4 @ Pin header, socket _Si..., Wire
CL1.0mH	L1	DRH104R	1	CL1.0mH	CL1.0mH SDI104R (DRH104R); 2.959 ohm, 0.48A, 20%
1k	R1, R4	SMD 0603	2	1k	RES
100k	R2, R3	SMD 0603	2	100k	RES
270R	R5, R6, R7, R8, R9, R10, R11, R12, R18, R19	SMD 0603	10	270R	RES
180R	R13, R14, R15, R16, R17	SMD 0603	5	180R	RES
encoder	SW1, SW2	PN1X4	2	encoder	Handwheel CNC Pulser, Rotary Encoder, 60mm, 100PPR, 5V, 4Pin, <=120mAq Silver
Switch 3 Pos	SW3, SW4, SW11, SW12	PN1X8	4	Switch 3 Pos	Latching, 22mm, 5V, 8Pin, Silver, Blue led
Switch 2 Pos	SW5	PN1X4	1	Switch 2 Pos	Latching, 16mm, 5V, 3Pin, Silver
Button 1 LED	SW6, SW7, SW8, SW9, SW10	PN1X4	5	Button 1 LED	Momentary, 22mm, 5V, 4Pin, Silver, Led
SMBJ13A	TZ1	DO-214AA (SMB)	1	SMBJ13A	Transient Voltage Suppressors, Uni-directional, 600W, UBRmin14.4V@1mA
MCP1703T-3302E	U1	SOT-89(MB)	1	MCP1703T-3302E	3.3V±2% 250mA, LDO 0.725V, Vinmax=16V, linear voltage regulator
STM32F103C8T6	U2	QFP50P900X900X160 48N	1	STM32F103C8T6	ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 72MHz 64KB (64K x 8) FLASH 48-LQFP (7x7)