Pcs/board	Part	Value/Name	Name/Description	Package	Digikey Part#	Mouser Part#
2	C1, C2		C X7R 25V 10%	C0805		963-TMK212B7105KG-T
4			C X7R 25V 10%	C0805	478-10836-1-ND	581-08055C104K
2	C7, C8	30pF	C COG/NP0 50V 5%	C0805	478-12776-1-ND	603-CC805JRNPO9BN300
2	R1, R2	22R	R 1% 0,125W	R0805	541-22.0CCT-ND	71-CRCW0805-22-E3
2	R3, R4		R 1% 0,125W	R0805		71-CRCW0805-10K-E3
4	-		R 1% 0,125W	R0805	541-1.00KCCT-ND	71-CRCW0805-1.0K-E3
1			LED Green diffuse 26mcd	CHIPLED_0805	475-1410-1-ND	720-LGR971-KN-1
1	IC1	ATmega32U4-AU	USB MCU - see note below!	TQFP44	ATMEGA32U4-AURCT-ND	556-ATMEGA32U4-AU
1	Y1		Crystal (one of these): Abracon ABM3-B2-T Abracon ABM3-B4Y-T Abracon ABM3-D2Y-T ECS-160-18-30-JEM-TR ECS-160-18-30-JGN-TR	5.0x3.2mm-2PAD	- 535-10638-1-ND XC3121CT-ND	815-ABM3-16-B2-T 815-ABM316000B4YT 815-ABM3-16-D2Y-T 520-160-18-30-JEMT 520-160-18-30-JGNT
			-			
Write Prote	ct - opt	ions:				
1		WR_PROT switch	Würth slide switch 3pin THT	WS_SLTU	450302014072-ND	710-450302014072
1		WR_PROT jumper connector	Regular PCB Pinheader 1x2	1x2, 2.54mm	732-5315-ND	710-61300211121
-	SJ1	Solder bridge	nothing to purchase			
Initiate Flas	h Prog	ramming - options:				
1			Tactile switch, H=3.8mm F=1.8N	SMD 4.5x4.5mm	PTS647SM38SMTR2LFSCT-NE	611-PTS647SM38SMTR2L
1			Regular PCB Pinheader 1x2	1x2, 2.54mm	732-5315-ND	710-61300211121
USB connec	<u>.</u>	L:				1
1			Molex Mini-USB female THT vertical	502237-0517	WM16296-ND	538-502237-0517
1	12		Regular PCB Pinheader 1x5	1x5, 2.54mm	732-5318-ND	710-61300511121
1	μZ	озв маниоата соппессо	Regulai FCB Fillileadei 1x3	133, 2.3411111	/32-3316-ND	/10-01300311121
Boot choice options:		s:				
1	SR1	SEE BELOW	Rotary switch 1x12, PCB pins			
1	S3	SEE BELOW	DPDT toggle, PCB pins w/ 4.7mm pitch			
-	-	Any wiring to SEL, 111	nothing to purchase			
Activate Binary mode (8/4/2/1)			·			
-	SJ2	Solder bridge	nothing to purchase			

SR1 - compatible 1x12 rotary switches:

C&K A112.***NC.** various contact materials, actuator shapes and lengths, metric/imperial mounting holes/threads
E-Switch KC52.****.*NP.* various contact materials, actuator shapes and lengths, metric/imperial mounting holes/threads
LORLIN CK1049/CK1059 (metric), CK1044/CK1054 (imperial)

Compatible DPDT Toggle Switches:

Microcontroller:

E-Switch Series 100 NKK Series M APEM Series 5000 TE-Connectivity Gemini A Do ${\bf NOT}$ use the ATmega32U4RC-AU version with internal RC oscillator as it has different default fuse settings - USB programming won't work!

Order codes are only for orientation and do not constitute an endorsement of specific distributors

CL	C1	C2	Cs		
17.5		27	27	4	
19		30	30	4	
16.5		27	27	3	
18		30	30	3	
15.5		27	27	2	
17		30	30	2	