Pcs/board	Part	Value/Name	Name/Description	Package	Digikey Part#	Mouser Part#
2	C1, C2		C X7R 25V 10%	C0805	399-8004-1-ND	963-TMK212B7105KG-T
4	C3-C6	100n	C X7R 25V 10%	C0805	478-10836-1-ND	581-08055C104K
2	C7, C8	30pF	C C0G/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	541-10.0KCCT-ND	71-CRCW0805-10K-E3
4	R5-R8		R 1% 0,125W	R0805	541-1.00KCCT-ND	71-CRCW0805-10K-E3
	113-110	IR	170 0,123	110003	541-1:00RCC1-ND	71-CRCW0003-1:0R-E3
1	D1	Osram LG R971-KN-1	LED Green diffuse 26mcd	CHIPLED_0805	475-1410-1-ND	720-LGR971-KN-1
1	IC1	Atmega**U4-AU	USB MCU (one of these): ATmega32U4-AU ATmega16U4-AU	TQFP44	ATMEGA32U4-AUR-ND ATMEGA32U4-AU-ND ATMEGA16U4-AUR-ND ATMEGA16U4-AU-ND	556-ATMEGA32U4-AUR 556-ATMEGA32U4-AU 556-ATMEGA16U4-AUR 556-ATMEGA16U4-AU
1	Y1	16MHz. CL=18pF	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	815-ABM3-16-B2-T 815-ABM3-16000B4YT 815-ABM3-16-D2Y-T 520-160-18-30-JEMT 520-160-18-30-JGNT
1	11	16MH2, CL=18pr	ECS-160-16-30-JGN-1R	5.0X5.ZIIIIII-ZPAD	AC3123C1-ND	320-160-16-30-JGN1
Write Prote	ct - opt	ions:				
1	S1	WR PROT switch	Würth slide switch 3pin THT	WS SLTU	450302014072-ND	710-450302014072
1	JP1	WR_PROT jumper connector	Regular PCB Pinheader 1x2	1x2, 2.54mm	732-5315-ND	710-61300211121
-	SJ1	Solder bridge	nothing to purchase			
Initiate Flac	sh Prog	ramming - options:				
1	52	PTS647 PROG	Tactile switch, H=3.8mm F=1.8N	SMD 4.5x4.5mm	PTS647SM38SMTR2LFSCT-NI	611-PTS647SM38SMTR2L
1	JP2	PROG jumper connector	Regular PCB Pinheader 1x2	1x2, 2.54mm	732-5315-ND	710-61300211121
			-			
USB connec						
1	J1	502237-0517	Molex Mini-USB female THT vertical	502237-0517	WM16296-ND	538-502237-0517
1	J2	USB Mainboard connector	Regular PCB Pinheader 1x5	1x5, 2.54mm	732-5318-ND	710-61300511121
Boot choice	option	\$:				
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 Bina	ry 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:

E-Switch Series 100 NKK Series M APEM Series 5000 TE-Connectivity Gemini A

Notes on ATmega MCUs:

- a) Do NOT use the ATmega**U4RC-AU version with internal RC oscillator as it has different default fuse settings USB programming won't work!
 b) Note that ATmega32U4 and ATmega16U4 use different HEX images!

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