Shift Cryptosecurity
BitBox02 v2.1 BOM

Pos.	Quantity	Designator	Comment	Footprint	Description (Mouser.Nr,)
1	1	Leiterplatte	BitBox V2.00	43.54mm x 21.96mm spe	4-Layer , Dicke: 0.8mm
1	6	C1, C2, C8, C9, C13, C14	1u / 10V	0603	
2	4	C3, C5, C6, C22	4u7 / 6V3	0603	
3	10	C4, C7, C10, C15, C17, C18, C19, C20, C21, C	100n	0603	
4	1	C12	4n7	0603	
5	3	C16, C25, C28	10u / 6V3	0603	
6	1	D1	B0530WS	sod-323	z.B: 621-B0530WSQ-13-F
7	1	IC1	AP3012	SOT-23-5	621-AP3012KTR-G1
8	1	IC2	MIC5504-3.3YM5	sot-23-5	998-MIC5504-3.3YM5TR
9	1	IC4	ATSAMD51J20A	VFQFN64	556-ATSAMD51J20AMU
10	1	IC5	PRTR5V0U2F	SOT886	DigiKey: 1727-4161-1-ND Mouser: 771-PRTR5V0U2F-T
11	1	IC7	ATECC608A	UDFN8	556-ATECC608AMAHDAS
12	1	J1	J 4X1		entfällt, Pad frei halten
13	1	L1	10U / 0.08A	0805	963-LBR2012T100K
14	2	L2, L4	Ferrit 1k	0603	MMZ1608B601
15	1	P1	OLED-FFC	AMPHENOL-FFC-1210	649-10051922-1210ELF
16	1	P2	USBC-DX07	USB-3.1-Plug	656-DX07P024AJ1R1500
17	1	P4	Molex MICRO SD PUSH/PUS	CONN-uSDCARD	538-503398-1892
18	9	R1, R17, R18, R19, R20, R21, R22, R23, R24	1k	0603	
19	1	R2	30k	0603	
20	1	R3	560k	0603	
21	1	R4	4k7	0603	
22	6	R5, R10, R11, R12, R13, R14	47k	0603	
23	1	R6	10k	0603	
24	2	R7, R9	2k2	0603	
25	1	R8	100k	0603	
26	0	R15	---	0603	entfällt
27	1	R16	5k1	0603	