

Document reference:	PCB reference:		
	MB951_revB_BOM STM32W_SK		
Company:			
STMicroelectronics			
Contact person:	E-mail:	Phone:	

Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
1	7	C1, C2, C16, C21, C22, C28, C31	10nF	0402		10NF, +/-10%, 25V, CERAMIC, X7R, 0402 MURATA GRM155R71E103K		
2	2	C3, C12	8pF	0402		8.0PF, +/-0.5PF, 50V, CERAMIC, C0G, NPO, 0402 MURATA GRM1555C1H8R0DZ01D		
3	1	C4	470nF	0402		0.47UF, +/-10%, 10V, CERAMIC, X5R, 0402 MURATA		
4	2	C5, C6	12pF	0402		12PF, +/-0.25PF, 50V, CERAMIC, C0G, 0402 MURATA GRM1555C1H180JZ01		
5	8	C7, C11, C13, C14, C17, C18, C23, C25	100nF	0402		100NF, +/-10%, 16V, CERAMIC, X7R, 0402 MURATA GRM155R71C104K		
6	1	C8	220pF	0402S		220PF, +/-0.5PF, 50V, CERAMIC, C0G, 0402 MURATA GRM1555C1H221JA1		
7	2	C9, C10	DNI	0402S		not fitted		
8	2	C15, C24	2.2uF	0402		2.2UF, +/-10%, 16V, CERAMIC, X5R, 0603 MURATA GRM188R61C225K		
9	1	C19	2.2uF	0603		2.2UF, +/-10%, 16V, CERAMIC, X5R, 0603 MURATA GRM188R61C225K		
10	1	C20	1uF	0402		1.0UF, +/-10%, 6.3V, CERAMIC, X5R, 0402 MURATA GRM155R60J105K		
11	2	C29, C30	22pF	0402				
12	1	CAV1	CAV2P	USTRAP2				
13	1	D1	Green	0805D		BL-HGE35A		
14	1	D3	Yellow	0805D		BL-HKC35A-YELLOW		
15	1	E1	AN0835	ANT_AN0835		Raisun		
16	1	FLT1	WE748-351-124	WE748351124		Würth Band pass filter		
17	1	IC1	STM32W108CC	VQFN-48-PROD		STM32W108CC STMicroelectronics		
18	1	IC2	STM32F103_QFN36	VQFN36 6x6 0.5mm		STM32F103 STMicroelectronics		
19	1	L1	7.5nH	0402S		LQP15MN7N5B02 Murata		
20	1	L2	3.3nH	0603		3.3NH, +/- 0.3NH, 500MA, MULTILAYER FILM, O603 MURATA LQG18HN3N3S00D		
21	1	P1	USB	USB/A_M1				
22	2	Q1, Q2	BC846W	SOT323 BC846		NPN General Purpose Transistor BC846W		
23	1	R1	10R	0402				
24	2	R2, R6	10K	0402				
25	5	R3, R7, R8, R9, R15	1k	0402				
26	1	R4	180K(1%)	0402				
27	1	R5	1R	0402				
28	2	R10, R11	1k5	0402				
29	1	R12	22R	CN43				
30	1	S1	SW-PB	IT-1188E		Switch Pouch button		
31	1	T1	WE748-421-245	245		Balun 50/100 Würth		
32	1	U1	RT9169-33PV	SOT-23-3L		3V3 LDO voltage regulator		
33	1	X1	24MHz	2520	NDK or EPSON	24.000MHZ, +/-10PPM TOLERANCE, +/-25PPM STABILITY, 12PF, -40 TO +85C		
34	1	X2	8MHz	AGX-S5032A				