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Bill Of Ma	toriala							
Line #	Designator	Comment	Quantity	Design Item Id	Manufacturer	Manufacturer Part Number		
1	C1, C2, C2D, C3, C4, C5, C6, C14, C14D, C15D, C16D	100 nF	11	CAP_0201_100n_10V	Murata	GRM033Z71A104KE14D		
2	C1D	22µF	1	CAP_0402_22u_6V3	Kyocera AVX	CM05X5R226M06AH080		
3	C3D, C4D, C12, C12D, C13, C13D	4.7μF	6	CAP_0402_4.7u_16V	Kyocera AVX	0402YD475MAT2A		
4	C5D, C7, C8, C10, C11, C15	1μF	6	CAP_0201_1u_10V	Murata	GRM033C81A105ME05D		
5	C6D	10μF	1	CAP_0402_10u_10V	Samsung	CL05A106MP5NUNC		
6	C7D	3.3nF	1	CAP_0201_3.3n_16V	Murata	GRM033R71C332KA88D		
8	C8D, C9D, C10D, C11D C9	22μF 2.2nF	4	CAP_0603_22u_10V CAP_0201_2.2n_16V	Murata Murata	GRM187R61A226ME15D GRM033R71C222KA88D		
9	C16	0.7pF	1	CAP_0201_2.211_16V CAP_RF_0201_0.7pF	Murata	GJM0335C1ER70BB01D		
10	C17D, C18D	0.7βF 110pF	2	CAP_KF_0201_0.7pF	Murata	GRM0335C1H111JA01D		
11	D1D	NSR20F30NXT5G	1	D NSR20F30NXT5G	ON Semiconductor	NSR20F30NXT5G		
12	D2D	SML-LX0404SIUPGUSB	1	D_NSI\20130NX13G	Lumex	SML-LX0404SIUPGUSB		
13	E1	NN03-320	1	NN03-320	Fractus Antennas	NN03-320		
14	J1, J2, J3, J4, J5	Solder Jumper	5	JMP 0201 3WAY	Panasonic	ERJ-1GN0R00C		
			4	CONN 50P M COMBI INT		2.10 10.1011000		
15	J2D	Interface	1	ERFACE				
16	J4D	ARM SWD 10-pin	1	CONN_SWD				
17	J5D	6Pin	1	CONN_PINHEADER_6PIN				
18	J7D	213716-0001 USB-C	1	CONN_USB_C	Molex	213716-0001		
19	JP1D	0R	1	JMP_0201	Panasonic	ERJ-1GN0R00C		
.0	L1, L2	10μH	2	L_0603_10uH_300mA	Murata	LQM18DN100M70L		
1	L1D	2.2µH	1	L_0603_2.2uH_520mA	Taiyo Yuden	MBKK1608T2R2M		
2	L2D	1.5µH	1	L_0805_1.5uH_2A	Murata	DFE201210S-1R5M=P2		
3	L3, L6, L7	5.6nH	3	L_RF_0201_5.6nH	Murata	LQW03AW5N6J00D		
4	L4, L5	2.2nH	2	L_RF_0201_2.2nH	Murata	LQP03HQ2N2B02D		
5	R1, R2	2.2kR	2	R_0201_2.2K	Panasonic	ERJ-1GNF2201C		
16	R2D, R3D	100kR	2	R_0201_100K	Panasonic	ERJ-1GNF1003C		
27	R3	2.2R	1	R_0201_2.2R	Yageo	RC0201FR-072R2L		
18	R4, R6D	10kR	2	R_0201_10K	Panasonic	ERJ-1GNF1002C		
29 30	R4D, R5D	5K1	2	R_0402_5K1	Panasonic	ERJ-2RKF5101X		
	RT1D U1	10kR nRF5340-CLAA	1	NTC_0201_10k nRF5340-CLAA	Panasonic Nordic	ERTJZEG103FA NRF5340-CLAA-R7		
31 32	U1D	MAX38640BENT18+T	1	MAX38640BENT18+T	Maxim	MAX38640BENT18+T		
33	U2D	MAX38640BENT18+1 MAX77654BENV+T	1	MAX38640BEN118+1 MAX77654BENV+T	Maxim Maxim	MAX38640BEN118+1 MAX77654BENV+T		
34	U4D	PESD1USB30	1	PESD1USB30	NXP Semiconductors	PESD1USB30		
	U5D	W25Q256JWYIM	1	W25Q256JWYIM	Winbond	W25Q256JWYIM TR		
			1					
37			1		ISSI			
		ECS327-9-1210 (32.768kHz)	1	Y ECS-327-9-1210	ECS International	ECS327-9-1210-TR		
9	Y2	ECS-320-7-48B-JTM-TR5 (32MHz)	1	Y ECS-320-7-48B-JTM-TR5	ECS International	ECS-320-7-48B-JTM-TR5		
35 36 37 38 39	U6D U7D Y1	LSM6DSV16BX IS31FL3194 ECS327-9-1210 (32.768kHz)	1 1 1 1 1 1 1 1	LSM6DSV16BX IS31FL3194 Y_ECS-327-9-1210	STMicroelectronics ISSI ECS International	LSM6DSV16BX IS31FL3194-CLS2-TR ECS327-9-1210-TR		
						Project: VitalCore: NRF5340		
					ETH			
				Eidgenössisch	ne Technische Hochschule Zürich	BOM		
					Institute of Technology Zurich			
				Laboratory: E	THZ D-ITET PBL			
				Date: 3/4/202				
				Pavicion: 12	License: GNIII GDI 1/2	Drawn Ry. Philipp Schille Alfon	so Blanco Fontao	
				Revision: 1.3		Drawn By: Philipp Schilk, Alfon		
				Revision: 1.3 Variant: Com		Drawn By: Philipp Schilk, Alfon Checked By: Federico Villani, L		
					pplete			-