Orange FM BOM (PCB 2024-05-01)

#	Reference	Qty	Value	Footprint
1	C1, C2, C3, C4, C7, C8, C9, C11, C16, C22	10	0.1uF	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
2	C5, C6	2	22pF	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
3	C10, C12, C14, C17, C19, C21, C25, C26	8	1uF	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
5	C15	1	22nF	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
6	C18, C20	2	0.47uF	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
7	C23, C24	2	100uF	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
9	C13, C28, C29	3	100pF	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
10	D1	1	CM1213A-01SO	Package_TO_SOT_SMD:SOT-143
11	FB1, FB2	2	FerriteBead	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
13	J2	1	SJ-3524-SMT	SJ_3524_SMT_TR:CUI_SJ-3524-SMT
17	L1	1	270 nH	Inductor_SMD:L_0603_1608Metric_Pad1.05x0.95mm_HandSolder
18	L2	1	120 nH	Inductor_SMD:L_0603_1608Metric_Pad1.05x0.95mm_HandSolder
19	R1, R2, R3	3	100R	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
21	R5, R6, R7, R14, R18, R20	6	1k	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
22	R4, R8, R23 (Only if not installing amp)	3	10k	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
23	R9, R10, R13	3	1M	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
24	R11, R12, R15, R16, R17	5	20k	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
26	U1	1	TC7WH02FU (NOR)	TC7WH02FU:TC7WH02FU
27	U2	1	SST39SF010A-70-4C-WHE	SST39FS010A:SST39SF010A-70-4C-WHE
28	U3	1	SN74AHC1G00DCKRG4 (TC7SH00FU) (NAND)	SN74AHC1G00DCKRG4:SN74AHC1G00DCKRG4
29	U4	1	74HCT595	Package_SO:TSSOP-16_4.4x5mm_P0.65mm
30	U5	1	ATmega328PB-A	Package_QFP:TQFP-32_7x7mm_P0.8mm
31	U6	1	TXS0104EQPWRQ1	Package_SO:TSSOP-14_4.4x5mm_P0.65mm
32	U7	1	MCP1754S-3302xCB	Package_TO_SOT_SMD:SOT-23
33	U8	1	Si4705-D60-GM	Si4705-QFN:Silicon_Labs-Si4705-BIGPADS
34	U9	1	LM4810MM/NOPB	Package_SO:TSSOP-8_3x3mm_P0.65mm
35	U10	1	MCP6L01x-xOT	Package_TO_SOT_SMD:SOT-23-5_HandSoldering
36	Y1	1	8 MHz	Crystal:Crystal_SMD_SeikoEpson_TSX3225-4Pin_3.2x2.5mm
	R24, C27	2	Do Not Populate	