

			PROJECT NAME: STEVAL-IME012V1		
			BILL OF MATERIALS		
Item	Quantity	Reference	Part / Value	Package	Manufacturer
1	6	CF1, CF2, CF3, CF4, CF5, CF6	CAP_ELECTROLIT, 10µF	3216-18	
2	2	C1_F2_F4, C2_F2_F4	CAP_ELECTROLIT, 2.2µF	1608-10	
3	6	CF7, CF8, CF9, CF10, CF11, CF12	CAPACITOR, 10µF	C2220	
4	16	CAD1, CAD2, CB1, CB2, CB3, CB4, CB5, CB6, CB7, CB8, CB11, CP1, CP2, CP3, CP4, CRST	CAPACITOR, 100nF	C0603	
5	2	CC1, CC2	CAPACITOR, 10nF	C0603	
6	14	CB13, CB14, CB15, CB17, CB18, CB19, CB20, CB21, CB22, CB23, CB24, CB25, CB26, CB27	CAPACITOR, 220nF	C0805	
7	2	Cosc1, Cosc2	CAPACITOR, 22pF	C0603	
8	4	CLA, CLB, CLC, CLD	CAPACITOR, 270pF	C1206	
9	1	X1	crystals, LFX TAL011301	HC49-US-SMX	
10	1	UF1	ESD, USBUF01W6	SOT-363	
11	1	JTAG	GENERIC, HDR1X8	SIL8	
12	1	U2	HV_PULSER, STHV749	TFLGA48L	STMicroelectronics
13	1	REG1	LDO, LD1117	SOT-223	STMicroelectronics
14	1	REG2	LDO, LT3032	DFN14	
15	5	L1, L2, L3, L4, USB_PWR	LED	L0603	
16	1	POT1	POTENTIOMETER, 10kΩ	3224J	
17	4	HVM0_1, HVM_CW, HVPO_1, HVP_CW	Power, AMP_CONNECTOR	PM508-2-90	
18	2	VDD, VSS	Power, AMP_CONNECTOR_2	PM508-2-90	
19	5	R2_F2_F4, R1_F1_F4	RESISTOR, 0Ω	R0603	
20	5	RGND	RESISTOR, 0Ω	R0805	
21	2	RAD2, RAD3	RESISTOR, 100kΩ	R0603	
22	8	RLA, RLB, RLC, RLD	RESISTOR, 100Ω	R1210	
23	2	RF1, RF4	RESISTOR, 107kΩ	R0603	
24	5	RP1, RP2, RP3, RP4, RTHSD	RESISTOR, 10kΩ	R0603	
25	1	Rosc	RESISTOR, 1MΩ	R0603	
26	2	RAD1, RAD4	RESISTOR, 2.7kΩ	R0603	
27	2	R18, RSHD	RESISTOR, 330Ω	R0603	
28	14	RE0, RE1, RE2, RE3, RE4, RE5, RE6, RE7, RL1, RL2, RL3, RL4, RL5, RL6	RESISTOR, 56Ω	R0603	
29	2	RF2, RF3	RESISTOR, 62kΩ	R0603	
30	2	D1, D2	SCHOTTKY, BAT20J	SOD-323	
31	5	AN_SUPPLY, SPI1, SPI2, SPI3, USR_RX	header, JUMPER2P	SIL2	
32	3	BOOT0, SPI_JTAG_1, SPI_JTAG_2	header, JUMPER3P	SIL3	
33	8	LVOUT1, LVOUT2, LVOUT3, LVOUT4, XDRC1, XDRC2, XDRC3, XDRC4	connector, SMB	SMB-SMT	
34	1	U1	STM32F427VI	LQFP-100	STMicroelectronics
35	5	STR, PRG, STP, USR, RST	SWITCHES, PUSH_BUTTON	DTSM6	
36	1	USB	TE_CONNECTIVITY, 1734035-1	MINI USB-B SMT	
37	2	ZAD1, ZAD2	ZENER, DZ2S033	SOD-523	
38	1	L5	LED	L0603	
39	1	L6	LED	L0603	