

PROJECT NAME:

STEVAL-IPE023V1

BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Tolerance %	Voltage Current	WATT	TECNOLOGY information	PACKAGE-FOOT-PRINT	Manufacturer	Manufacturer Code	RS/Distelec/Other Code
1	1	CN1	USB_TYPEB					USB_TYPEB_S			
2	6	C1,C2,C3,C4,C9,C14	100nF	10%	25V		X7R ceramic	sm/C_0805			
3	2	C5,C6	10pF	10%	25V		X7R ceramic	sm/C_0805			
4	2	C7,C8	22pF	10%	25V		X7R ceramic	sm/C_0805			
5	1	C10	10nF	10%	25V		X7R ceramic	sm/C_0805			
6	2	C11,C15	100uF 16V	20%	25V		Electrolityc	SM/CT_47UF_25V			
7	2	C12,C16	47uF 25V	20%	25V		Electrolityc	SM/CT_47UF_25V			
8	1	C13	4.7nF	10%	25V		X7R ceramic	sm/C_0805			
9	2	IC1,IC2	LD1117ADT33TR					DPAK_REAL	STMicroelectronics		
10	1	J1	CON10A					CONNECTOR SAMTEC FTS105	SAMTEC		
11	1	J2	CON32A					BLKCON.100/VH/TM2OE/W.200/32			
12	1	J3	CON10					WALCON.100/VH/TM2OES/W.325/10			
13	1	J4	JUMPER					JUMP-M-254-2			
14	3	R1,R2,R3	4.7k	5%		0.125		AX/RC05			
15	3	R4,R5,R6	300R	1%		0.125		SM/R_0805			
16	2	R7,R12	1M	1%		0.125		SM/R_0805			
17	1	R8	10K	1%		0.125		SM/R_0805			
18	1	R9	100K	1%		0.125		SM/R_0805			
19	2	R10,R11	22R	1%		0.125		SM/R_0805			
20	1	R13	1.5K	1%		0.125		SM/R_0805			
21	1	SW1	Rst					SWITCH_TE FSM2JH			
22	1	U1	STM32F103RDT6					QUAD.50M/64/WG12.60	STMicroelectronics		
23	1	U2	TSM0505S					SOJ.050/14/WB.450/L.400			RS: 510-5431
24	2	U3,U4	IL710S-1E					SOG.025/8/WG.275/L.150	NVE		
25	1	U5	IL260-3E					SOG.050/16/WG.244/L.400	NVE		
26	1	U6	USBLC6-2P6					SOT-666	STMicroelectronics		
27	1	Y1	32.768 Khz					QUARTZ SMD 4PIN_S			
28	1	Y2	8MHz					Cer. Resonator			
29	1	D1	green LED					SM/D_0805_21	Kingbright	KP-2012MGC	RS: 466-3778
30	1	D2	yellow LED					SM/D_0805_21	Kingbright	KP-2012SYC	RS: 466-3835
31	1	D3	red LED					SM/D_0805_21	Kingbright	KP-2012SRC-PRV	RS: 466-3813