

PROJECT NAME:STEVAL-IPE005V1

## BILL OF MATERIALS

Item	Quantity	Reference	Part	Footprint	Manufacturer	Code	R.S. Code
1	1	CN1	CONNECTOR EDGE 20	Through-hole	TYCO	636-2007	244-3948
2	1	CN2	DC-IN9V	Through-hole	dc power plug		486-662
3	1	J4	DC-IN9V	Through-hole	PHOENIX CONTACT	MKDS1.5/2-5.08	193-0564
4	18	C1,C2,C3,C6,C8,C10,C15,C17,C25	100n 16V	SMD 0805	ANY		
		C30,C33,C34,C40,C41,C42,C43,C44,C45					
5	8	C4,C11,C13,C20,C22,C35,C37,C38,C46	10n 16V	SMD 0805	ANY		
6	3	C5,C7,C9	4.7u 10V-Electrolytic	SMD	ANY		
7	1	C24	47uF 10V-Electrolytic	SMD	ANY		
8	2	C31,C49	10uF 10V-Electrolytic	SMD	ANY		
9	1	C32	1u 16V	SMD 0805	ANY		
10	1	C36	56p	SMD 0805	ANY		
11	1	C39	1uF / 16V	SMD 0805	ANY		
12	2	C47,C48	15pF	SMD 0805	ANY		
13	1	D1	LED-GREEN	SMD 0805	ANY		
14	1	D2	LED-BLU	SMD 0805	ANY		
15	1	D3	LED-YELLOW	SMD 0805	ANY		
16	2	D4,D5	BAS70-04/SOT	SMD	BAS70-04/SOT		
17	1	D6	1N4001	Through-hole	1N4001		
18	1	IC1	STM811TM16-SOT143-4	SMD	ST		
19	1	IC2	CY62157DV30-TSOP44	SMD	ST	Not assembly	
20	1	J1	CON2	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
21	1	J2	Enable VBKP	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
22	1	J3	Enable 1V8	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
23	1	J7	CON10	Through-hole	TYCO	636-1027	473-8254
24	1	J8	CON3	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
25	1	J9	Enable UART0 TX	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
26	1	LF01	BNX002		RS_209-077		209-077
27	1	L1	FBEAD		NOT ASSY	NOT ASSY	
28	1	P1	DATA PORT 0	Through-hole	DB9FEMM for PCB		446-585
29	2	Q1,Q2	BC847B	SM/SOT23/123	ANY		
30	2	Q3,Q4	BC807-25	SM/SOT23/123	ANY		
31	8	R1,R2,R3,R4,R6,R24,R25,R26	560	SMD 0805	ANY		
32	4	R5,R7,R8,R9	22	SMD 0805	ANY		
33	13	R10,R12,R13,R14,R15,R16, R18,R21,R23,R36,R37,R38,R39	10k	SMD 0805	ANY		
				SMD 0805	ANY		
34	1	R11	2K2	SMD 0805	ANY		

35	1	R17	DONOTFIT				
36	2	R19,R22	22k	SMD 0805	ANY		
37	2	R20,R27	47K	SMD 0805	ANY		
38	1	R28	330	SMD 0805	ANY		
39	3	R29,R33,R34	1K	SMD 0805	ANY		
40	2	R30,R31	12K	SMD 0805	ANY		
41		R32-R35	56	SMD 0805	ANY		
42	1	R40	33	SMD 0805	ANY		
43	1	R41	4.7k	SMD 0805	ANY		
44	2	SW1,SW2	Button	SMD	See the silk-screen layer	ANY	
45	2	SW3	Button	SMD	See the silk-screen layer	ANY	
46	4	SW4,SW5,SW6,SW7	SW KEY-YM061	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
47	1	SW8	BOOTEN	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
48	1	SW9	BOOT1	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
49	1	SW10	BOOT0	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
50	1	TP1	TP10	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
51	2	TP3,TP4	TEST POINT	Through-hole	STRIP_LINE-TYCO	5-826936-0	495-8470
52	2	U1,U16	STR710FZ2T6-TQFP144		ST		
53	2	U2,U3	ESDA6V1-5W6-SOT323-6L		ST		
54	1	U4	M74HC08TTR		ST		
55	1	U5	LD108518 - D2PAK-A		ST		
56	1	U6	LD108533 - D2PAK-A		ST		
57	1	U7	NME0505S		RS_593-978		RS_593-978
58	2	U8,U9	SFH615A		ANY		
59	1	U10	ST3232EBTR		ST		
60	4	U11,U12,U14,U15	74VHC126TTR		ST		
61	1	U13	M74HC14TTR		ST		
62	1	Y1	16MHz		KYOCERA--AVX CORPORATION	K50-3C0SE16.0000MR	DIGIKEY-478-2085-2-ND
63	1	Y2	32.768Khz 472-0887		RS_472-0887		RS_472-0887
64	4	SPACERS	SIZE Ø8X10 mm		653-9403	ANY	653-9403