

STEVAL-PCC005V1**Bill of material****Bill of material**

S. no.	Reference designator	Component description	Package	Manufacturer	Manufacturer's ordering code / orderable part number	Qty
1	U1	L4978 switching regulator	DIP-8	STMicroelectronics	L4978	1
2	U2	LDS3985M18R ultra drop low noise voltage regulator	SOT23-5L	STMicroelectronics	LDS3985M18R	1
3	U3	LD1117AS33TR low drop voltage regulator	DPAK	STMicroelectronics	LD1117AS33TR	1
4	U4	L4960 power switching regulator	Heptawatt	STMicroelectronics	L4960	1
5	U5	Microcontroller	LQFP128	STMicroelectronics	STR912FAW44X6	1
6	U6	STM6718TW ultra-low voltage supervisors	SOT23-5 (WY)	STMicroelectronics	STM6718TWWY6F	1
7	U7	USBL6_2P6 very low capacitance ESD protection	SOT23-6L	STMicroelectronics	USBL6-2P6	1
8	Z1	Transil TM	DO-214AC	STMicroelectronics	SMAJ18A-TR	1
9	D1,D3,D8	STPS3L60U(power Schottky rectifier)	SMB	STMicroelectronics	STPS3L60U	3
10	D2,D7	STPS1L30U(low drop power Schottky rectifier)	SMB	STMicroelectronics	STPS1L30U	2
11	Y1	Crystal: Q25.0-SS4-30-30/30	11.35mmx4.35 mm, SS4	Jauch	Q 25.0-SS4-30-30/30	1
12	SW1	Push button switch	Through Hole	Any		1
13	J1	CON1A	Header 2x20pin, 2.54 mmx2.54 mm Pitch	Any		1
14	J2	Header 2	Jumper 2 pin, 2.54 mm pitch	Any		1
15	J3	WAGO CONN	Through hole	Any		1
16	J4,J8,J9	CON3	Through hole	Any		3
17	J6	HDD_PW_CONN	Through hole	Any		1
18	J5	SMPS_PW_CONN	20 - pin (right angled)	Any		1
19	J7	POWER JACK 2.5MM	28 pin (SMD)	CUI	PJ-102B	1



Bill of material (continued)

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20	J11	USB_CON	USB type B	Any		1
21	J12	CON20(JTAG connector header)	Right angle header 2x10 2.54 mm x 2.54 mm pitch	Any		1
22	F1	Fuse holder with cartridge fuses(3 A)	Through hole	Any		1
23	D4,D5,D6,D9	LED	SMD	Any		4
24	C1(electrolytic capacitor)	100 μ F/25 V	ELC (bulk radial)	Any		1
25	C2,C17,C18 (electrolytic capacitor)	220 μ F/35 V	ELC (bulk radial)	Any		3
26	C6,C19 (electrolytic capacitor)	330 μ F/35 V	ELC (bulk radial)	Any		2
27	C8,C10,C16,C28(ceramic capacitor 0805)	10 μ F	EIA 3528-21/ size B	Any		4
28	C20(ceramic capacitor 0805)	2.2 μ F	EIA 3528-21/ size B	Any		1
29	C3(ceramic capacitor 0805)	220 nF	SMD0805	Any		1
30	C4(ceramic capacitor 0805)	2.7 nF	SMD0805	Any		1
31	C5,C7,C9,C12,C14, C15,C24C26,C27, C29,C30,C31,C32, C33,C34,C36,C37, C38,C39,C40,C41, C42,C43 (ceramic capacitor)	100 nF	SMD0805	Any		21
32	C11(ceramic capacitor 0805)	10 nF	SMD0805	Any		1
33	C13(ceramic capacitor 0805)	22 nF	SMD0805	Any		1
34	C21(ceramic capacitor 0805)	2.2 nF	SMD0805	Any		1
35	C22(ceramic capacitor 0805)	33 nF	SMD0805	Any		1
36	C23,C25(ceramic capacitor 0805)	30 pF	SMD0805	Any		2



Bill of material (continued)

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37	C35 (ceramic capacitor 0805)	4.7 nF	SMD0805	Any		1
						30
38	L1 (inductor)	150 μ H	SMD	Coil-craft	DS5022P-154ML_	1
39	L2 (inductor)	47 μ H	SMD	Coil-craft	DS5022P-473ML_	1
40	L3 (inductor)	10 μ H	through hole	Any		1
41	R1,R2,R3,R4,R5, R6,R7,R8,R10,R11, R12,R13,R14,R15, R16,R17,R18,R28, R30,R31,R32,R33	33	SMD0805	Any		22
42	R9,R29,R37,R59, R61,R63,R65,R67, R68,R70,R71,R72, R73,R74	10 k Ω	SMD0805	Any		14
43	R19,R24,R27	82	SMD0805	Any		3
44	R20	5.6 k Ω	SMD0805	Any		3
45	R21,R23,R26,R60, R62	22	SMD0805	Any		5
46	R22	1 k Ω	SMD0805	Any		1
47	R25,R34,R35,R36, R38,R39,R40,R47	0	SMD0805	Any		8
48	R41	20 k Ω	SMD0805	Any		1
49	R42	2.7 k Ω	SMD0805	Any		1
50	R43,R44,R46,R50	470	SMD0805	Any		4
51	R45	9.1 k Ω	SMD0805	Any		1
52	R48,R55	4.7 k Ω	SMD0805	Any		2
53	R49	6.2 k Ω	SMD0805	Any		1
54	R53	43 k Ω	SMD0805	Any		1
55	R57	15 k Ω	SMD0805	Any		1
56	R66,R56	1 M	SMD0805	Any		2
57	R64	1.5 k Ω	SMD0805	Any		1
58	R69	200	SMD0805	Any		1

