

			PROJECT NAME:		STEVAL-IPP003V1					August 2, 2013
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BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Tolerance %	Voltage Current	TECNOLOGY information	PACKAGE-FOOT-PRINT	Manufacturer	Manufacturer Code	RS/Distelec/Other Code	More Info
1	1	CN1	Screw Connector 3P 2.5mm				3P 2.5mm				
2	1	CN2	MINI-USB								
3	17	C1,C3,C4,C11,C17,C18,C20,C22,C23,C26,C27,C29,C40,C41,C42,C43,C47	100nF/25V - 0402		25V		0402				
4	1	C2	10uF/6.3V0603		6.3V		0603				
5	3	C5,C21,C30	100pF/C0G - 0402		25V		0402				
6	1	C6	27pF/C0G - 0402		25V		0402				
7	1	C7	4.7pF/C0G - 0402		25V		0402				
8	1	C8	100nF/C0G - 0402		25V		0402				
9	1	C9	10uF/50V X5R 1206		50V		1206				
10	1	C10	220nF X1					Epcos	B32913A3224M189	RS - 669-0094	
11	1	C12	1nF/C0G - 0402		25V		0402				
12	1	C13	100 pF/C0G - 0402		25V		0402				
13	1	C14	10nF/C0G		25V		0402				
14	2	C15,C25	100nF 25V		25V		0402				
15	1	C16	18n/25V - 0603		25V		0603				
16	2	C19,C24	10u/6.3V - 0603		6.3V		0603				
17	1	C28	10uF/10V - 0805		10V		0805				
18	1	C31	4.7u/4V - 0402		4V		0402				
19	1	C32	100 nF - 0603		6.3V		0603				
20	3	C33,C34,C44	100nF/25V - 0603		25V		0603				
21	1	C35	47uF/25V - 1210		25V		1210				
22	2	C36,C37	100nF		25V		0603				
23	2	C38,C39	10pF	5%	50V		0402				
24	1	C45, C46	22p -0402	5%	50V		0402				
26	3	C48,C49,C50	10nF/25V - 0402		25V		0402				
27	1	DL1	LED-GREEN			SMD					
28	1	DL2	LED-RED			SMD					
29	2	D1,D3	STPS1L30A				SMA (JEDEC DO-214AC)	ST			
30	1	D2	SM6T15CA				SMD SMB/DO-214AA	ST			
31	1	D4	SMAJ5.0CA				SMA (JEDEC DO-214AC)	ST			
32	1	D5	STTH1L06A				SMA	ST			
33	1	D6	RED			SMD					
34	1	D7	YELLOW			SMD					
35	1	D8	GREEN			SMD					
36	2	FB1,FB2	BLM21PG331SN1						BLM21PG331SN1		
37	1	FB3	BLM21PG600SN1D						BLM21PG600SN1D		
38	1	ISO1	TLP781(GP)				DIP-4	Toshiba	TLP781		
39	3	JP1,J2,J3	Jumper OPEN								
40	10	JP2,JP3,JP4,JP5,JP6,JP7,JP8,JP9,JP10,JP11	Jumper CLOSE								
41	1	J1	Screw Connector 5mm				2P-5mm				
42	1	J4	CON10A				Male Connector 2x5 Pitch 1.27 mm		SAMTEC FTSH-105-01-F-D-K		
43	1	J5	DIGITAL_A				Female Strip 1x12 pitch 2.5mm				To assemble on the bottom side
44	1	J6	DIGITAL_B				Female Strip 1x12 pitch 2.5mm				To assemble on the bottom side
45	1	L1	15uH - EPCOS B82464-A4153K					EPCOS	B82464-A4153K		
46	1	L2	220uH - EPCOS B82462-A4224K					EPCOS	B82462-A4224K		
47	1	Q1	STN4NF06L				SOT-223	ST			
48	1	R1	100K - 0603				0603				
49	9	R2,R12,R13,R14,R15,R18,R24,R25,R56	10k - 0402				0402				

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50	1	R3	33k - 0402				0402				
51	2	R4,R9	24k 1% - 0402				0402				
52	2	R5,R11	47k - 0402				0402				
53	2	R6,R51	1.5K - 0402				0402				
54	1	R7	5k1 - 0402				0402				
55	1	R8	22k - 0402				0402				
56	1	R10	150 - 0603				0603				
57	3	R16,R44,R45	10K				0402				
58	2	R17,R20	560R				0402				
59	1	R19	330 - 0402				0402				
60	1	R21	10k - 0603				0603				
61	4	R22,R36,R58,R59	0 - 0603				0603				
62	1	R23	130 - 0402				0402				
63	10	R26,R27,R28,R29,R30,R31, R32,R33,R34,R35	4k7 - 0402				0402				
64	3	R37,R42,R43	33k - 1206				1206				
65	1	R38	10M - 0402 (N.A.)				0402				
66	1	R39	100k - 1206				1206				
67	1	R40	10M - 0402				0402				
68	1	R41	47k - 0603				0603				
69	3	R46,R47,R48	4.7k - 0402				0402				
70	2	R49,R50	22R - 0402				0402				
71	3	R52,R53,R54	300 - 0402				0402				
72	1	R55	1M - 0402				0402				
73	1	R57	100K - 0402				0402				
74	1	SW1	ST7580 Reset			SMD micro switch					
75	3	SW2,SW3,SW5	Rst			SMD micro switch					
76	1	SW4	Jumper			3P male strip plus jumper					
77	1	TP1	PA_IN-								
78	1	TP2	PA_IN+								
79	1	TP3	TX_OUT								
80	1	TP4	PA_OUT								
81	1	TP5	CL								
82	1	TP6	RX_IN								
83	1	TP7	VDDIO								
84	1	TP8	TXD								
85	1	TP9	T_REQ								
86	1	TP10	VDD								
87	1	TP11	GND								
88	1	TP12	RXD								
89	1	TP13	VCCA								
90	1	TP14	VDD_PLL								
91	1	TP15	ZC_IN								
92	1	TP16	VCC								
93	1	T1	TDK SRW13EP-X07S002 / WE 750-510-231								
94	1	U1	LK112SM33TR				SOT23-5L	ST			
95	1	U2	ST7580				SMD QFN-48	ST			
96	1	U3	USBLC6-2P6					ST			
97	1	U4	STM32F103RFT6				LQFP64	ST			
98	1	V1	BATTERY HOLDER PLUS CR1220 lithium coin cell							BATTERY HOLDER RS: 430-653	
99	1	Y1	8MHz (N.A.)	30 ppm						RS: 672-0268	
100	1	Y2	32.768 Khz	20ppm						RS: 547-6979	
101	1	Y3	8MHz	30 ppm						RS: 672-0268	