

PROJECT NAME=STEVAL-ISA031V1

Prototype Revision: 2

Bill Of Materials February 2, 2007

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Item	Quantity	Reference	Part/Value	Voltage/Watt	Foot-Print	Manufacturer	Manuf.code	R.S. code	More Info
1	2	C1,C2	22uF	450V / 85°C					
2	2	C3,C4	22nF	600Vac X2		ES	C306		
3	1	C5	4.7n	2kV		WIMA	FKP1		
4	1	C6	1nF						
5	2	C7,C9	2.2nF						
6	1	C8	100nF						
7	1	C10	47uF	35V					
8	1	C11	470pF						
9	4	Q11,C12,C21,R22	nc						
10	1	C13	6.8nF - nc						
11	1	C14	2.2nF	X1 Y1					
12	1	C15	220uF	35V					
13	1	C16	22uF	35V					
14	1	C17	220uF	10V					
15	2	C18,C22	22nF						
16	1	C19	220pF						
17	1	C20	10uF	35V					
18	1	C23	n.c.						
19	4	D1,D2,D3,D4	1N4007						
20	3	D5,D6	STTH108		SMA				ST-Supply
21	2	D7,D8	1N4148						
		D9	STPS5H100		DPAK				ST-Supply
22	1	D10	STPS2L25U		SMB				ST-Supply
23	1	F1	1A						
24	1	J6	CON3						3P-5mm
25	3	L1,L2,L3	2.2mH		radial	TDK	SL1720-222KR60		
26	1	L4	33mH		CM choke	TDK	333Y0R6		
27	1	L5	10uH			TDK	SLF7045T-100M1R3		
28	1	L6	15uH			TDK	SLF7045T-150M1R1		

29	1	M1	STW4N150		TO-247				ST-Supply
30	1	NTC1	5.0 Ohm			EPCOS	0544		
31	4	R1,R2,R3,R4	1M						
32	3	R5,R6,R7	1.8M						
33	2	R8,R9	330k						
34	2	R10,R11	150k	2W					
35	1	R12	22R		SMD-1206				
36	1	R13	2.2k - nc						
37	1	R14	15k		SMD-0805				
38	1	R15	15k		SMD-0805				
39	1	R16	120k						
40	1	R17	56k						
41	1	R18	2.2						
42	1	R19	1k						
43	2	R20,R21	2R2						
44	1	R22	4.7k	1/4 W	TRH				
45	1	R23	12k						
46	1	R24	3k9						
47	1	R25	4k7						
48	1	R26	2k2						
49	1	R27	3k3						
50	1	R28	10k - 1%						
51	1	R29	5k6						
52	1	R30	1.2k - 1%						
53	1	T1	TRANSFORMER			TRONIC	603261		ST-Supply
54	1	U1	L6565		DIP8				ST-Supply
55	1	U2	PC817			SHARP			
56	1	U4	L5970AD		SO8				ST-Supply
57	1	U5	TL431A1		TO-92				ST-Supply
58	1	230Vac	CON2			PTR			2P-5mm
59	1	400Vac	CON1			PTR			2P-5mm