

PROJECT NAME: STEVAL-ILL034V1

February 8, 2011

BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Tolerance %	Voltage Current	WATT	TECHNOLOGY information	PACKAGE	Manufacturer	Manufacturer Code	RS/Distelec/Other Code	More Info
1	1	BR1	BRIDGE DIP 1A				1A DIP BRIDGE	RH0x	Diodes Inc HD06		Digikey HD06DICT-ND	
2	2	C1, C2	0.15uF 250V				Capacitor	BOXSDLWH7.5-0.6-10.3-6-10.8	Panasonic ECQ-E2154KF		Digikey EF2154-ND	
3	1	C3	10uF 50V				Capacitor	CEV5MMP	Panasonic EEU-FC1H100L		Digikey P10316-ND	
4	1	C4	1nF				Capacitor	805	ANY			
5	1	C5	220nF				Capacitor	805	ANY			
6	1	C6	0.33uF 250V				Capacitor	BOXSDLWH10-.6-12-6.5-12	Panasonic ECQ-E2334KF		Digikey EF2334-ND	
7	1	C7	1200uF 35V				Capacitor	CEH16x20mm	Panasonic EEU-FM1V122S		Digikey P12407-ND	
8	1	C8	0.047uF 50V				Capacitor	805	ANY			
9	2	D1, D7	MMSD4148				Signal diode 150-200mA 100V 4ns	SOD-123	ON Semiconductor		R.S.-464-198	
10	1	D2	MMSZ5248B		18V	500mW	Zener Diode	SOD-123	ON Semiconductor		R.S.545-3190	
11	1	D8	STTH1R04A				Diode	SMA	STMicroelectronics	STTH1R04A		
12	1	F1	FUSE 0.5A				Fuse 0.5A	RES0.5	Littelfuse 0251.500MXL		Digikey F2311-ND	
13	1	L1	1000uH				INDUCTOR	Coilcraft DR0608	Coilcraft	DR0608-105L		
14	1	L2	220uH				Coupled Inductor 5:1	Wurth ZBRS127	Wurth S09100111			ST-SUPPLY 30 pieces only
15	1	Q1	STU8NM50N				FET N-CHAN	I-pak/TO251	STMicroelectronics	STU8NM50N		
16	1	R1	200K				Resistor	1206	ANY			
17	1	R2	510k	1%		0.25W	Resistor	1206	VISHAY		R.S.-679-2190	
18	1	R3	5.1k				Resistor	805	ANY			
19	2	R4, R6	200K				Resistor	805	ANY			
20	1	R5	20K				Resistor	805	ANY			
21	1	R7	47K				Resistor	805	ANY			
22	1	R8	10				Resistor	805	ANY			
23	1	R9	390K				Resistor	1206	ANY			
24	1	R10	1.58 1%				Resistor	805				
25	1	R11	1.62 1%				Resistor	805				
26	1	R12	47				Resistor	805	ANY			
27	1	R13	1.6K				Resistor	805	ANY			
28	1	R14	130K				Resistor	805	ANY			
29	1	U1	L6562AD				TRANSITION MODE PFC CTLLR	SO-8	STMicroelectronics	L6562AD		
30	1	VR1	MOV				Metal Oxide Varistor	MOV Wirein				not assembly