



PROJECT NAME: STEVAL-ISA034V1

November 22, 2007

BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Voltage / Watt	Foot-Print	Manufacturer	Manufacturer Code	RS Code	More Info
1	1	CON1	400VAC	2 PIN	pitch-7.62mm	PHOENIX CONTACT	GMKDS3-7.62	189-5966	
2	1	CON2	230VAC	2 PIN	pitch-7.62mm	PHOENIX CONTACT	GMKDS3-7.62		
3	2	C1,C2	4.7uF - 450V	ELECTROLITYC	5.08	PANASONIC	ECA2WM4R7	228-7285	
4	2	C3,C4	10n-X2	660Vac	15.2mm	Evox-Rifa	PME264NB5100MR30	311-0986	
5	1	C5	1n/2kV	2KVcc/CERAMIC	PITCH-10mm	PANASONIC	ECKA3D102KBP		
6	1	C6	47uF	25V		any			
7	1	C7	1n	100V	SMD-1206	any		298-9191	
8	1	C8	2.2n	100V	SMD-0805	any			
9	1	C9	220p	100V	SMD-1206	any		298-9163	
10	1	C10	100n	100V	SMD-1206	any			
11	1	C11	100p	100V	SMD-0805	any			
12	1	C12	6.8n - nc	n.c.	n.c.	n.c.	n.c.	n.c.	
13	4	Q2,C13,R27,R28	nc	n.c.	n.c.	n.c.	n.c.	n.c.	
14	1	C14	330n	100V	SMD-1206	any			
15	1	C15	n.c.	n.c.	n.c.	n.c.	n.c.		
16	1	C16	2.2n - Y1	440Vac	TRH-PITCH 10mm			441-9795	
17	1	C17	220u - 25V	25V	PITCH 3.5mm	NICHICON	UVR1E221MPD	520-0889	
18	1	C18	220u - 16V	16V	PITCH 2.5mm	NICHICON	UVR1C221MED	520-0794	
19	1	C19	22u - 25V	25V	PITCH 2.5mm	PANASONIC	ECEA1EKS220	116-874	
20	1	C20	22u - 25V	25V	PITCH 2.5mm	PANASONIC	ECEA1EKS220	116-874	
21	4	D1,D2,D3,D4	1N4007		TRH	any			
21A	1	D9,	STPS3L40S		SMC	ST			
21B	1	D10	STPS3L25S		SMC	ST			
22	2	D5,D6,	STTH108		TRH	ST			
23	2	D7,D8	PMLL4148L		SOD80C	PHILIPS	PMLL4148L		
24	1	F1	1A	SOCKET+cover +FUSE	PITCH 22mm	any		415-014	
25	1	J6	CON3	3PIN	TRH-PITCH 5.08mm	PHOENIX CONTACT	1985959	467-0401	
26	3	L1,L2,L3	1mH	300mA	TRH	PANASONIC	ELC08D102E	233-5291	
27	1	L4	20 mH	180mA	TRH	TDK	UF1717V-203YR18		
28	2	L5,L6	10uH	2.6A	TRH	PANASONIC	ELC08D100E		
29	1	NTC1	50E	1.9A	TRH	EPCOS	B57236S0500L002		
30	1	Q1	STP4N150		TRH	ST			
31	4	R1,R2,R3,R4	1M 1/4W	1/4W	SMD-1206	any			



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32	4	R5,R6,R7,R8	1.8M	1/4W	SMD-1206	any			
33	2	R9,R10	330k	1/4W	SMD-1206	any			
34	3	R11,R12,R29	150K	1/4W	TRH	any			
35	1	R13	10	1/4W	SMD-0805	any			
36	1	R14	12k	1/4W	SMD-1206	any			
37	1	R15	2.2k - nc		SMD-0805	any			
38	1	R16	18k	1/4W	SMD-0805	any			
39	1	R17	120k	1/4W	SMD-0805	any			
40	1	R18	15k	1/4W	SMD-0805	any			
41	1	R19	2.2	1/4W	TRH	any			
42	2	R20,R23	1k	1/4W	SMD-1206	any			
43	1	R21	3.5	1/4W	TRH	any			
44	1	R22	2.2k	1/4W	SMD-0805	any			
	1	R24	10k	1/4W	TRH	any			
45	1	,R25	10k	1/4W	SMD-0805	any			
46	1	R26	560	1/4W	SMD-0805	any			
47	1	T1	230;15/5;12V	10VA/40KhZ-PWM	TRH	TRONIC	602227		
48	1	U1	L6565N		DIP8-TRH	ST			
49	1	U2	PC817	OPTOISOLATOR	TRH-DIP4	any			
50	1	U3	TL431			ST	TL431IZ/IZT/IZ-AP		
51	4	Spacer in NYLON		Spacer in NYLON	10mm	any		246-9940	
52	1	Heat-sink forQ1	Heat-sink	19.7 K/W	TRH-FOR TO247	DISTRELEC	65-24-12		
53	4	jump	wire-jump	Copper-size 0.8mm	isolated wire-jump				
53	1	no ref.	isolation		isolation between Q1 and and Heat-sink			298487	