			PROJECT NAME:		STEVAL-IHM035V2				Ver 1.0	July 5, 2013	
							BILL OF MATERIALS				
Item	Quantity	Reference	Part / Value	Tollerance %	Voltage Current	WATT	TECNOLOGY information	PACKAGE	Manufacturer	Manufacturer Code	RS/Distrelec/OTher Code
1	3	C1,C2,C3	10pF	5%	10V		SMD MULT.CERAMIC CAP.	0603	ANY		
2	3	C5,C9,C12	N.M.								
3	1	C6	100nF	5%	10V		SMD MULT.CERAMIC CAP.	0603	ANY		
4	1	C10	100nF	5%	10V		SMD MULT.CERAMIC CAP.	0603	ANY		
5	1	C14	470nF	5%	25V		SMD MULT.CERAMIC CAP.	0603	ANY		
6	1	C17	2.2nF	5%	10V		SMD MULT.CERAMIC CAP.	0603	ANY		
7	1	C18	22nF	5%	10V		SMD MULT.CERAMIC CAP.	0603	ANY		
8	1	C19	33pF	5%	10V		SMD MULT.CERAMIC CAP.	0603	ANY		
9	1	C20	10nF	5%	10V		SMD MULT.CERAMIC CAP.	0603	ANY		
10	1	C22	4.7nF	5%	10V		SMD MULT.CERAMIC CAP.	0603	ANY		RS:262-2179
11	1	C7	4.7uF	20%	25V		ALUMINIUM ELECTROLYTIC CAPACITOR	SMT	PANASONIC	EEE1EA4R7SR	RS:536-9916
12	3	C13,C15,C16	2.2uF	5%	25V		SMD MULT.CERAMIC CAP.	0805	ANY		
13	1	C21	100uF	20%	450V		ALUMINIUM ELECTROLYTIC CAPACITOR				RS:706-3297
14	1	C42	10uF	20%	6.3V		CERAMIC SMT CAPACITOR	1206	MURATA	GRM31CR60J106KA01L	RS: 653-0541
15	1	C23	100uF	20%	25V		ALUMINIUM ELECTROLYTIC CAPACITOR	SMT	PANASONIC	ECEV1EA101P	RS:628-4024
16	1	C41	10uF	20%	10V		CERAMIC SMT CAPACITOR	1206	MURATA	GRM31CR61A106KA01L	RS: 723-6524
17	1	C28	22uF	20%	25V		ALUMINIUM ELECTROLYTIC CAPACITOR	SMT	PANASONIC	EEE1EA220SP	RS:536-9893
18	3	C4,C8,C11	N.M.					0805	ANY		
19	1	C36	1uF	5%	25V		SMD MULT.CERAMIC CAP.	0805	ANY		
20	1	C37	22nF	5%	6.3V		SMD MULT.CERAMIC CAP.	0603	ANY		
21	1	C38	220nF	5%	25V		SMD MULT.CERAMIC CAP.	0805	ANY		
22	4	R2,R3,R4,R6	N.M					0603	ANY		
23	10	R1,R5,R7,R9,R10,R14,R21,R30,R37,R50	0	1%				0603	ANY		
24	8	R8,R11,R12,R18,R25,R33,R36,R51	4.7K	1%				0603	ANY		
25	3	R13,R20,R29	1M	1%				0603	ANY		
26	6	R15,R16,R22,R23,R31,R32	180K	1%				1206	ANY		
27	6	R17,R24,R34,R39,R42,R47	1K	1%				0603	ANY		
28	3	R19,R26,R35	10K	1%				0603	ANY		
29	1	R27	33K	1%				0603	ANY		
30	1	R28	10M	1%				0603	ANY		
31	2	R38,R41	910	1%				0603	ANY		
32	1	R40	22	1%				0603	ANY		
33	1	R43	0.47	1%		2W		2512	IRC	LR2512-LF-R470-F	MOUSER:66-LR2512-LF-R470-F
34	2	R48,R49	2,7K	1%				0603	ANY		
35	2	R52,R53	470K	1%				1206	ANY		
36	1	R54	8.2K	1%				0603	ANY		
37	1	R68	1.5K	1%		1/4W		1206	ANY		
38	1	R64	6.8K	1%				0603	ANY		
39	1	R65	1.5K	1%				0603	ANY		
40	1	R66	15K	1%				0603	ANY		
41	1	R67	56K	1%				0603	ANY		
42	1	R69	18	1%				0603	ANY		
43	22	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22					Loop terminal assembly, black 1.02mm dia		Vero Technologies	20-2137	RS:101-2391
44	3	D1,D3,D5	LL4005		600V/1A		Rectifier Diode	SMD DO213AB	Taiwan Semiconductor	LL 4005G	Distrelec code: 604754
45	3	D2,D4,D6	BAT54JFILM				Small signal Schottky diodes	SOD-323	STMicroelectronics	BAT54JFILM	
46	4	D7,D8,D9,D10	STTH1R04U				FAST RECOVERY RECTIFIER DIODES	SMD SMB	STMicroelectronics	STTH1R04U	
47	3	D13,D11,D15	STTH1L06A		600V/1A		TURBO 2 ULTRAFAST HIGH VOLTAGE RECTIFIER	SMA	STMicroelectronics	STTH1L06A	
48	1	D22	1N4148WT				High Conductance Fast Switching Diode	SOD 523F	Fairchild	1N4148WT	
49	1	D16	GREEN LED				CHIPLED SMT	0805	AVAG	HSMG-C170	RS:435-6767
50	1	D23	BAT60JFILM				Small signal Schottky diodes	SOD-323	STMicroelectronics	BAT60JFILM	
51	1	F1	FUSE		2A		RADIAL LEAD MICROFUSE		HOLLY	5RF020HK	RS:611-0664
52	1	J1	MOTOR CONNECTOR				MULTIPOLES CONNECTOR		Tyco Electronics	3-1761603-1	RS:461-792
53	4	J2, J3, J4, J5	STRIPLINE1X3				STRIP LINE-MALE 90°		KONTEK	4720302140400	RS:423-2857
54	1	J10	STRIPLINE1X3				STRIP LINE-MALE		MOLEX	90120-0763	RS:360-6320
55	5		Jumper				Jumper female		RS		RS:251-8682
56	1	J6	MOTOR	250V	12A		3 WAYS CONNECTOR MALE 90° 5.08mm		PHOENIX	MSTBA 2.5/ 3-G-5.08	RS:189-6111
57	1		MOTOR				3 WAYS CONNECTOR FEMALE 90° 5.08mm		PHOENIX	MSTB 2.5/ 3-ST-5.08	RS:1896026
58	1	J7	AC MAIN	250V	12A		2 WAYS CONNECTOR MALE 90° 5.08mm		PHOENIX	MSTBA 2.5/ 2-G-5.08	RS:189-6105
59	1	J8	DC BUS	250V	12A		2 WAYS CONNECTOR MALE 90° 5.08mm		PHOENIX	MSTBA 2.5/ 2-G-5.08	RS:189-6105
60	2		AC MAIN/DC BUS				2 WAYS CONNECTOR FEMALE 90° 5.08mm		PHOENIX	MSTBA 2.5/ 2-G-5.08	189-6105
61	1	NTC1	NTC			300mW	NTC THERMISTOR	1206	EPCOS	B57621C103J62	RS:191-2342
62	1	NTC2	NTC		4.2A		NTC THERMISTOR		EPCOS	B57235S509M	RS:467-614
63	3	Q1,Q2,Q3	BC 817-25				NPN Transistor	SMD SOT23	ANY		RS code: 436-7903
64	1	TR1	SMAJ18A-TR				Transil diode	SMA	STMicroelectronics	SMAJ18A-TR	
65	1	T1	Multiple Inductor 1.41mH 0.17A				Multiple Inductor 1.41mH 0.17A		MAGNETICA	2092.0003	
66	1	U1	TS3021ILT				Rail-to-rail 1.8V high-speed comparator	SOT23-5	STMicroelectronics	TS3021ILT	
67	1	U2	STGIPN3H60				Small low-loss intelligent molded module	NDIP-26L	STMicroelectronics	STGIPN3H60	
68	1	U3	LD1117S33TR				Low drop fixed and adjustable positive voltage regulators	SMD SOT-223	STMicroelectronics	LD1117S33TR	
69		U9	LD1117S50TR				Low drop fixed and adjustable positive voltage regulators	SMD SOT-223	STMicroelectronics	LD1117S50TR	
70	1	U8	VIPER16LD				Low Power OFF-Line SMPS Primary Switcher	SO16N	STMicroelectronics	VIPER16LD	
71	1						3 WAYS CONNECTOR MALE 5.08mm		PHOENIX	MSTB 2.5/ 3-ST-5.08	RS: 189-6026
72	1						2 WAYS CONNECTOR MALE 5.08mm		PHOENIX	MSTB 2.5/2-ST-5.08	RS: 189-6010
73	1						2 WAYS CONNECTOR MALE 5.08mm		PHOENIX	MSTB 2.5/2-ST-5.08	RS: 189-6010
74	6	Screw M3-20 mm									RS:528-772
75	6	Washer M3									RS:560-338
76	2	Screw nut M3									RS:189-563
77	4	Nylon spacer M3 20mm									RS:325-700
78	1	Plastic bag									RS:287-7852