

	PROJECT NAME:STEVAl-IHM015V1		September 13, 2007
	BILL OF MATERIALS		

Item	quantity	Reference	Part	Foot-Print	Manufacturer	Manufacturer code	R.S.code	Distrelec Code
1	1	C1	1nF (NC)	not assembly				
2	1	C2	100nF (NC)	not assembly				
3	1	C3	1uF/25V	TRH			315-0619	
4	5	C4,C5,C6,C8,C34	10nF/50V	sm_0805				
5	5	C7,C9,C10,C11,C21	100nF/50V	sm_0805				
6	1	C12	1nF/50V (NC)	not assembly				
7	2	C13,C31	100nF/25V	sm_0805				
8	1	C22	1uF/10V	TRH			315-0344	
9	1	C23	100uF/25V	TRH			191-8261	
10	1	C24	330uF ESR 42mΩ	TRH				80 18 53
11	1	C25	100uF 150mΩ	TRH				
12	1	C28	220nF/50V	sm_0805				
13	3	C43,C44,C45	1uF/50V	sm_0805				
14	1	C27	100pF/50V	sm_0805				
15	2	C28,C32	1uF/25V	TRH			315-0619	
16	1	C29	3.3nF/50V	sm_0805				
17	2	C30,C40	22nF/50V	sm_0805				
18	1	C33	1uF 25V	TRH			315-0619	
19	1	C39	10uF 16V	TRH			228-6622	
20	1	C41	220p/50V	sm_0805				
21	1	C42	100uF 16V	TRH			228-6767	
21a	4	C51,C52,C53,C54	NC	sm_0805	not assembly			
22	3	C46,C47,C48	2.2nF 25V (NC)	sm_1206	not assembly			
23	2	C49,C50	10nF/25V	sm_1206				
24	1	D1	GREEN LED	SMD			247-1022	
25	1	D2	RED LED	SMD			247-1044	
26	1	D4	GREEN LED	TRH			228-5922	
27	1	D3	1.5KE15A		ST	1.5KE15A		
28	1	D5	STPS1L60A		ST	STPS1L60A		
29	5	D6,D7,D8,D9,D10,D11	1N4148	TRH			436-7363	
30	2	D14,D15	STPS2L25U		ST	STPS2L25U		
31	1	JP1	CON4	STRIP-LINE MASC			251-8115	
32	1	J1	ICC connector : HE10 male type				461-742	
33	2	J2,J3	CON2	STRIP-LINE MASC			251-8086	
34	12	J4,J8,J11,J12,J13,J15, J16,J17,J18,J19,J20,J21	CON3	STRIP-LINE MASC			251-8092	
35	1	J5	Vbus-2WAY screwterminal	TRH	PHOENIX-CONTACT	1731721	1895966	
36	1	J6	+10V	TRH	PHOENIX-CONTACT	1731734	193-0564	
37	1	J10	PHASE OUT-3WAY screwterminal	TRH	PHOENIX-CONTACT	1731734	189-5972	
38	1	J14	CON5	STRIP-LINE MASC			251-8121	
39	2	J22,J27	CON1	STRIP-LINE MASC			251-8092	
40	2	J23,J24	CON3	STRIP-LINE MASC			251-8092	
41	1	L1	470uH 0.35A					35 02 01
42	1	L3	15uH 1A	SM/R_1210				
43	1	NTC1	10kΩ	SMD-0603 ASSY ON BOTTOM SIDE		ASSY ON BOTTOM SIDE	247-7418	
44	8	R12,R13,R19,R64,R68, R72,R73,R75	10kΩ	sm_1206				
45	3	P1,P2,P3	50kΩ-trimmer				187-309	
46	1	P4	100kΩ-trimmer				186-974	
47	1	R20	100kΩ-1/4W	sm_1206				
48	1	Q8	STN4NF03L		ST	STN4NF03L		
49	12	Q9,Q10,Q11,Q12,Q13,Q14, Q15,Q16,Q17,Q18,Q19,Q20	(NC)	not assembly				
50	3	RF1,RF2,RF3	330kΩ-1/4W	sm_1206				
51	2	R1,R4	470Ω-1/4W	sm_1206				
51a	4	R39,R50,R63,R71	(NC)	not assembly				
52	1	R2	100kΩ (NC)	not assembly				
53	3	R3,R5,R6	10kΩ (NC)	not assembly				
54	5	R7,R8,R17,R18,R67	47kΩ-1/4W	sm_1206				
55	3	R9,R10,R11	(NC)	not assembly				
56	1	R14	100Ω-1/4W	sm_1206				
57	1	R15	1MΩ-1/4W	sm_1206				
58	1	R16	1.2kΩ-1/4W	sm_1206				
59	1	R21	33kΩ-1/4W	sm_1206				
60	1	R26	470Ω-1/4W	sm_1206				
61	4	R27,R41,R53,R65	15kΩ-1/4W	sm_1206				
62	1	R28	4.6kΩ-1/4W	sm_1206				
63	1	R29	18kΩ-1/4W	sm_1206				
64	1	R30	3.3kΩ-1/4W	sm_1206				
65	3	R31,R45,R57	200Ω-1/4W	sm_1206				
66	4	R32,R47,R59,R69	22kΩ-1/4W	sm_1206				
67	9	R38,R42,R44,R49,R54,R56, R62,R66,R76	2.2kΩ-1/4W	sm_1206				
68	6	R33,R37,R46,R48,R58,R60	22Ω-1/4W	sm_1206				
69	5	R34,R35,R36,R74,R81	4.7kΩ-1/4W	sm_1206				
70	3	R40,R51,R61	220Ω-1/4W	sm_1206				
71	3	R43,R55,R70	2.2kΩ-1/4W	sm_1206				
72	1	R52	0.07Ω-5W	TRH				
73	1	R77	1.2kΩ-1/4W	sm_1206				
74	1	R82	2.7kΩ-1/4W	sm_1206				
75	1	R83	13kΩ-1/4W	sm_1206				
76	1	SW3	Reset Button				20-15-40	
77	1	SW4	Start/Stop				20-15-40	
78	1	U1	TS271ACD (NC)	not assembly				
79	1	U2	ST7FMC2S4T6-TQFP44		ST	ST7FMC2S4T6		
80	1	U3	M95020-MN3TP/S		ST	M95020-MN3TP/S		
81	1	U9	LK112SM50TR		ST	LK112SM50TR		
82	1	U10	L4976D		ST	L4976D		
83	3	U11,U13,U14	L6387		ST	L6387		

84	3	U15,U17,U18	STS8DNH3LL		ST	STS8DNH3LL		
85	1	U16	L5970D		ST	L5970D		
86	1	U19	TS274		ST	TS274		
87	1	X1	CSTCS-16MX					64-48-00
88	15	J2,J3,J4,J8,J11,J12,J13,J15, J16,J17,J18,J19,J20,J23,J24	assy on relative Jumper	regarding the assy follow the silkscreen			251-8575	
89		F1	-Automotive Blade Fuse Holder- 30A	trh-hole	KEYSTONE	3522-2	167-6068	
89a	1	Fuse 25A plug on F1	fuse 25A		LITTELFUSE	0CAS025	495-1952	
90	1	D16	STPS10L60D	TO220AC	ST	STPS10L60D		
91	4	SPACER (Distanziatori)	size 10mm		ANY			