

Document		PCB reference:	9/5/2010
STEVAL-IHM027V1			
Company:			
STMicroelectronics			

Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
Revised:								
				DxL (mm)				
1	2	C1, C54	4.7uF/10V		KEMET	ESH475M050AC3AA	KEMET	
2	10	C2,C5,C7,C14,C15,C16,C18,C37,C47,C55	100nF/50V_1206		KEMET	C1206C104K5RAC 7800	KEMET	
3	3	C3,C6,C12	33pF/10V_1206		KEMET	C1206C330K8GAC 7800	KEMET	
4	6	C4,C8,C9,C10,C11,C13	10pF/10V_1206		KEMET	C1206C100K8GAC 7800	KEMET	
5	1	C17	2.2nF/10V_1206		KEMET	C1206C222K8RAC 7800	KEMET	
6	1	C19	470pF/10V_1206		KEMET	C1206C471K8GAC 7800	KEMET	
7	2	C20,C27	1000p/200V		KEMET	ELH108M200AS4AA	KEMET	
8	3	C21, C24,C29	100uF-25V		KEMET	ESH107M025AE3AA	KEMET	
9	1	C22	2.2uF/25V		KEMET	ESH225M050AC3AA	KEMET	
10	2	C23, C28	220nF/275Vac X2		KEMET	R46KI322000M2M	KEMET	
11	2	C25,C30	1uF/16V		KEMET	C1206C105K4RAC 7800	KEMET	
12	1	C26	47nF/16V 1206		KEMET	C1206C473K4RAC 7800	KEMET	
13	3	C31,C32,C33	10nF/400V		KEMET	R76QI2100SE30K	KEMET	
14	6	C34,C35,C38,C39,C43,C44	2.2uF/50V_1206		KEMET	C1206C225K5RAC 7800	KEMET	
15	1	C36	470nF/25V_1206		KEMET	C1206C474K3RAC 7800	KEMET	
16	3	C41,C42,C45	10nF/10V_1206		KEMET	C1206C103K8RAC 7800	KEMET	
17	1	C46	4.7nF/10V		KEMET	C1206C472K8RAC7800	KEMET	
18	1	C48	220nF/50V		KEMET	C1206C224K5RAC 7800	KEMET	
19	1	C49	100pF/10V_1206		KEMET	C1206C101K4GAC 7800	KEMET	
20	10	D1,D2,D3,D4,D5,D6,D7,D8,D16D19	BAR43		ST			
21	3	D10	STTH1L06A		ST			
22	2	D18,D21	1N4148	DO35				
23	1	D11	BRIDGE				Distrelec	605529
24	1	D12	BZX84C18	MiniMelf				
25	1	D13	BZX85C16	MiniMelf				
26	1	D14	STTH1L06		ST			
27	1	D15	STTH108		ST			
28	2	D17,D20	BZX84C13V	MiniMelf				
29	2	F1,F2	Portafusibile 5x20mm				Distrelec	288381
30	2	Fusibile	6A	20x5mm				
31	2	Calotte protettive per portafusibile					Distrelec	288382
32	1	IC2	L7805CP		ST			
33	1	J1	Contek-Komatel					
34	1	J2	3 PHASE OUTPUT				RS	189-5972

35	1	J3	34CONT					
36	1	J4	R Brake				RS	1895966
37	1	J5	VIPER16 ON/OFF					
38	10	J10,J11,J12,J13,J14,J15,J18,J23,J25,J26	CON1					
39	2	J16,J17	CON2R					
40	1	J19	2.54 line bar					
41	1	J20	CON2					
42	1	J21	VDC BUS				RS	1895966
43	1	J22	120/230-VAC				RS	1895966
44	1	J24	TACHO				RS	1895966
45	1	LD1	GREEN LED					
46	1	LD2	RED LED					
47	1	L1	47µH		MAGNETICA	-	MAGNETICA	1071.0082
48	1	L2	2.2mH		MAGNETICA	-	MAGNETICA	1041.0039
49	9	T1,Q1,Q2,Q5,Q7,Q8,Q9,Q10,Q11	2STR1230		ST			
50	2	Q3,Q6	2STR2230		ST			
51	1	Q4	STGF7NC60HD		ST			
52	1	RT1	NTC 10 ohm					
53	9	R1,R2,R3,R5,R8,R9,R10,R16,R26	4.7k	1206				
54	6	R4,R7,R15,R18,R27,R28	560	1206				
55	8	R6,R11,R19,R20,R25,R29,R30,R87	1k	1206				
56	6	R12,R13,R21,R22,R31,R32	2.7k	1206				
57	1	R14	470	1206				
58	1	R17,R83	2.2k	1206				
59	2	R23,R99	5.6k	1206				
60	1	R24	22	1206				
61	8	R33,R35,R36,R44,R49,R76,R79,R84	10k	1206				
62	8	R37,R54,R56,R69,R70,R71,R75,R78	100	1206				
63	7	R38,R39,R40,R41,R42,R43,R92	47k	1206				
64	2	R45,R95	68k	1206				
65	2	R46,R88	100k	1206				
	2	R48,R85	6.8k	1206				
66	1	R52	22k	1206				
67	3	R53,R57,R94	220	1206				
68	1	R55	680	1206				
69	2	R58,R77	1.8k	1206				
70	4	R59,R60,R64,R67	100k-1/2W					
71	4	R61,R63,R80,R81	470k	1206				
72	1	R62	1.5k	1206				
73	1	R65	8.2k	1206				
74	3	R72,R73,R74	0.1/5W low induc.				DISTRELEC	710542
75	1	R82	27k	1206				
76	2	R86,R91	12k	1206				
77	1	R89	5.6k	1206				
78	1	R90	120	1206				

79	1	R96	220k	1206				
80	1	R98	15k	1206				
81	21	TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21	TEST POINT					
82	1	TR1	1.5KE400A		ST			
83	1	U1	TSV944		ST			
84	1	U2	M74HC08		ST			
85	1	U3	M74HC367M1R		ST			
86	1	U5	LD1117D33		ST			
87	2	U6,U8	TS391ILT		ST			
88	1	U7	RELAY10A					
89	1	U9	STGIPS10K60A		ST			
90	1	U10	VIPER16LN		ST			
91	11	W1,W2,W3,W6,W7,W8,W9,W10,W11,W14,W15	JUMP1	strip line 2 pin				
92	5	W4,W5,W12,W13,W16	JUMP3	strip line 3 pin				
93	5	nylon spacer		10mm	any		any	
94	2	W13,W12						