

Document reference:	PCB reference:	Date: March, 20 2006
Company:		
STMicroelectronics		
STEVAL-IHT003V1		

Index	Quantity	Reference	Name	Package (+ mechanical param for TH components)	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
1	1	Triac	T1	TO-220	ST	ACST6-7ST		
2	1	SCR	T2	SOT-223	ST	X0202NN 5BA4		
3	1	PNP Transistor	Q1	SOT-23	Philips	PMBT2907A		
4	1	NPN Transistor	Q2	SOT-23	Philips	PMBT2222A		
5	1	N-Channel Transistor	M1	SOT-23	Fairchild	MMBF170		
6	1	Resistor 620 1/4W 1%	R1	TH,Axial,0207				
7	1	Resistor 470K 1/4W 1%	R2	TH,Axial,0207				
8	1	Resistor 510K 1/4W 1%	R3	TH,Axial,0207				
9	1	Resistor 30K 1/4W 1%	R4	TH,Axial,020, pitch 2,5				
10	1	Resistor 10K 1/4W 1%	R5	TH,Axial,0207				
11	1	Resistor 0 1/4W	R6	TH,Axial,0207				
12	1	Resistor 220 1/4W 1%	R7	SMD 1206				
13	1	Resistor 1M 1/4W 1%	R8	TH,Axial,0207				
14	1	Ceramic capacitor 10nF/50V 20%	C1	SMD 1206				
15	1	Ceramic capacitor 10nF/50V 20%	C2	SMD 1206				
16	1	No capacitor connected	C3	SMD 1206				
17	1	No capacitor connected	C4	TH, pitch 11				
18	1	Single phase bridge rectifier	IC1	DIL DB-1	WTE / GOOD-ARK	DF06		
19	1	General Purpose Rectifier, 1N4007(1000V,1A)	D1	DO214 SMA				
20	1	Small signal diode, 1N4148 (75V,0.15A)	D2	DO-35				
21	1	Zener Diode	DZ1	DO-35	Fairchild / Vishay	BZX55C 15		