

Document reference:			PCB reference:					
BOM_STEVAL-IHM013V1			STEVAL-IHM013V1					
Company:								
STMicroelectronics								
Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
1	2	C1,C2	100nF – 5%	SMD 0805				
2	2	C3,C7	100pF – 5%	SMD 0805				
3	1	C4	470uF/16V	electrolytic capac.				
4	1	C5	330nF- 10%	300 VAC capacitor X2			RS components	4419650
5	1	C6	10pF – 5%	SMD 0805				
6	1	D1	5.6V / 0.5W	SMD 1206				
7	1	D2	D1N4148	SMD 1206				
8	1	D3	Red LED	SMD 1206				
9	1	F1	10A/275V	FUSE				
10	3	J1,J2,J8	CON2	2 pin strip line 2.54mm				
11	2	J3,J5	Terminal blocks	7.62mm Pitch – 2 wires	Phoenix Contact	1731721	RS comp.	1895966
12	1	J7	ICC CON	10 pin strip header - dual in line2.54mm pitch				
13	1	POT	10K				RS components	855383
14	1	Q1	BTB12-600BW	TO220AB	ST	BTB12-600BWRG		
15	1	Q2	BC847C	SOT23		(replacing with 2STR1215)		
16	1	R1	2.2k – 1%	SMD 0805				
17	1	R2	47 – 1%	SMD 0805				
18	2	R3	330k-1% /0.6W	Metal film resistor			RS comp.	506-5591
19	1	R5	2.7k - 1%	SMD 0805				
20	1	R6	100k - 1%	SMD 0805				
21	1	R8	20K - 1%	SMD 0805				
22	3	R9	47-5% / 1W	Flame proof resistor			RS comp.	2140964
23	1	R11	3.3K - 1%	SMD 0805				
24	1	R13	0.05/5W				Distrelec	710522 LOB5
25	1	R15	10K - 1%	SMD 0805				
26	1	SW1	BUTTON				E-SWITCH	TL1100EF160Q
27	1	U1	ST7FLITEUS5	SO8	ST	(replacing with ST7FOXA0M6)		
28	1		Heatsink	Base: 25x15mm h: >20mm			ELCART	CODE:4/9610
29	1		jump	on J2			ELCART	CODE:5/7649