

# Bill of Material for STEVAL-IHM024V1

Document reference: <b>STEVAL-IHM024V1</b>	PCB reference: <b>STEVAL-IHM024V1</b>	
Company: <b>STMicroelectronics</b>		
Contact person:	E-mail:	Phone:

Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
1	3	C1, C3, C21	Capacitor ceramic 330pF 50V NP0	0603			IFARCAD	
2	1	C2	Capacitor electrolyte 3.3uF 50V	CASE B SMD			IFARCAD	
3	6	C4,C8,C16,C20,C26, C30	Capacitor ceramic 470nF 25V X7R	0805			IFARCAD	
4	6	C7,C14,C19,C24, C29,C33	Capacitor ceramic 1nF 50V X7R	0603			IFARCAD	
5	12	C5, C6, C9:C12, C22, C17, C18, C27, C28, C31	Capacitor ceramic 10pF 50V NP0	0603			IFARCAD	
6	3	C13, C23, C32	Capacitor ceramic 33pF 50V NP0	0603			IFARCAD	
7	3	C25, C48, C49	Capacitor ceramic 100nF 50V X7R	0603			IFARCAD	
8	3	C34:C36	Capacitor ceramic	0603			IFARCAD	
9	1	C37	Capacitor ceramic 10nF 50V X7R	0805			IFARCAD	
10	1	C38	Capacitor electrolyte 100uF 400V SNAP-IN 105°	25x25 p.10			IFARCAD	
11	1	C39	Capacitor ceramic 47nF 25V X7R	0603			IFARCAD	
12	1	C40	Capacitor ceramic 220nF 50V X7R	0805			IFARCAD	
13	1	C41	Capacitor electrolyte 10uF 25V X7R	CASE B SMD			IFARCAD	
14	1	C42	Capacitor ceramic 22nF 50V X7R	0805			IFARCAD	
15	1	C43	Capacitor electrolyte 100uF 25V	CASE D SMD			IFARCAD	
16	2	C44, C45	Capacitor ceramic 100nF 50V X7R	0603			IFARCAD	
17	6	D2, D3, D6, D7, D10, D11	Diode L4148	SOD80			IFARCAD	
18	8	D13, D14, D15, D19, D26, D27, D30, D32	Diode BAR43C	SOT23	ST		IFARCAD	
19	4	D16, D17, D18, D20	Diode SMBYT01-400	SMB			IFARCAD	
20	1	D21	Diode BAT54W	SOT323			IFARCAD	
21	2	D22, D23	Diode STTH1L06A	SMA			IFARCAD	
22	1	D24	Diode SMAJ18A-TR	DO214AC			IFARCAD	
23	1	F1	Fuse 2A	P. 5			IFARCAD	
24	1		Fuse socket	p. 5			IFARCAD	
25	3	JP1, JP2, JP3	Jumper 2x1 open	SMD			IFARCAD	
26	3	J1, J4, J6	L6390	SO16	ST		IFARCAD	
27	1	J2	Strip 3x1	P 2.54			IFARCAD	

28	4						IFARCAD
29	1	J3	Connector flat 34 poli (17x2) black male	P 2.54			IFARCAD
30	1	J5	Connector female	SMD			IFARCAD
31	2	J7, J10	Two screw terminal strip	P 5.08			IFARCAD
32	1	J8	Strip 2x1	P 2.54			IFARCAD
33	1	J9	Three screw terminal strip	P 5.08			IFARCAD
34	1	L1	Radial inductance 2.2mH 0.14A	Diam 7.2			IFARCAD
35	1	NTC1	NTC 10K	1206			IFARCAD
36	1	NTC2	NTC 5R	THT			IFARCAD
37	6	Q1:Q6	IGBT STGDL6NC60DI	DPAK	ST		IFARCAD
38	1	Q7	Transistor BC817-25	SOT23			IFARCAD
39	3	R1, R26, R47	Resistor 100K 1%	0603			IFARCAD
40	7	R3, R13, R28,R33, R48, R53, R85	Resistor 0R 1%	0603			IFARCAD
41	6	R4,R14,R29,R34,R49, R54	Resistor 50R	0603			IFARCAD
42	3	R5, R6, R7	Resistor	0805			IFARCAD
43	4	R18, R23, R37, R44, R55, R63	Resistor	0603			IFARCAD
44	7	R9, R10, R15, R16, R36, R58, R68	Resistor 4.7K 1%	0603			IFARCAD
45	3	R11, R31, R51	Resistor 3K3 1%	0603			IFARCAD
46	3	R12, R32, R52	Resistor 47K 1%	0603			IFARCAD
47	6	R17, R19, R38, R39, R56, R57	Resistor 2.7K 1%	0603			IFARCAD
48	16	R20, R24, R40, R42, R59, R60, R65:R67, R71, R73, R86:R90	Resistor 1K 1%	0603			IFARCAD
49	6	R21, R22, R41, R43, R61, R62	Resistor 910R	0603			IFARCAD
50	12	R25, R45, R64, R76:R84	Resistor 1.8R 1/4W	1206			IFARCAD
51	2	R35, R100	Resistor 10K 1%	0603			IFARCAD
52	2	R69, R70	Resistor 470K 1% 1/4W	1206			IFARCAD
53	1	R75	Resistor 8K2 1%	0603			IFARCAD
54	1	U1	L78L33ABUTR	SOT89	ST		IFARCAD
55	1	U2	VIPER12AS	SO8	ST		IFARCAD
56	1	Z1	Diode Zener BZX84C15	SOT23			IFARCAD