

# STEVAL-IHM030V1

## Bill of material

Reference	Part / value	Voltage	Manufacturer
CS3	ACS756A-100B-PFF-T		Allegro
C1,C2	4700 $\mu$ F	63 V	Panasonic
C3,C4,		50 V	
C36,C38, C39,C43, C44, C45, C46,C47, C48,C49	100 nF	50 V	
C5,C6	1 $\mu$ F	50 V	
C8,C9	100 nF	50 V	
C11,C12, C17,C18	1 $\mu$ F	50 V	
C13,C19, C40,C41, C42	10 nF	50 V	
C16,C21	10 $\mu$ F	20 V	AVX
C28	100 $\mu$ F	10 V	AVX
C30	100 $\mu$ F	20 V	AVX
C31	100 pF	50 V	
C32	22 nF	50 V	
C37	470 nF	50 V	
D1,D2,D5, D6	SM6T18CA		STMicroelectronics
D13	STPS2L40U		STMicroelectronics
D14	STPS340U		STMicroelectronics
FST1,FST3	Phase A		
FST2,FST4	Phase B		
JP1,JP3	HEADER 3		
JP2	SWIM connector		ERNI
JSD1	SUBD9C_M_COUDE		
J1	VBATT		
J2CB			
J2			
J3CB			
J6,J7,J8,J9,J21	CON2		
J21			
J12,J13,J14,J15			
J25	CON12		
L1	22 $\mu$ H / 1.4 A		

**Bill of material (continued)**

Reference	Part / value	Voltage	Manufacturer
Q1,Q2,Q3, Q4	STV250N55F3		STMicroelectronics
Q9,Q10, Q11,Q12	STS01DTP06		STMicroelectronics
Q14	STD17NF03LT4		STMicroelectronics
R1,R3,R4, R5	10 k $\Omega$		
R9,R11	68 k $\Omega$ / 1/4 W		
R10,R16, R24,R27, R60,R61, R62,R63	47 $\Omega$		
R12,R19, R36,R57	22 $\Omega$		
R13,R29	0 $\Omega$		
R40	39 k $\Omega$		
R41	4.3 k $\Omega$		
R42	3.3 k $\Omega$		
R43	120 $\Omega$		
R44	100 $\Omega$		
R45	4.7 k $\Omega$		
R49,R55, R64,R73	10 k $\Omega$		
R50,R52	2 k $\Omega$		
R51	24 k $\Omega$		
R54	90 k $\Omega$		
R70	0		
R71,R72	1 k $\Omega$		
TP22,TP23,TP25	Test point		
TP26,TP27,TP28,TP30,TP31,TP35	Test point		
U1,U4	L6388ED		STMicroelectronics
U6	L5970D		STMicroelectronics
U7	LF50CDT-TR		STMicroelectronics
U8	L9616		STMicroelectronics
U9	STM8S208MBT6B		STMicroelectronics
U12	LM393D		STMicroelectronics
W3,W4	JUMP1		
W5	Push button		