

STEVAL-IHM033V1**Bill of material**

Reference	Part / value	Manufacturer	Manufacturer code
B1	TD-0341 [RESET/black]	Any	
C1	1 nF		
C2,C3,C7,C10,C12,C13, C14,C16,C17,C18,C19, C20,C21	100 nF		
C4,C5,C6	N.M.	Do not fit	Do not fit
C8,C9	22 pF		
C11	1 μ F	Any	
C15	47 μ F	Any	
TP_CH4	Test point	Test point	Test point
DAC1,DAC2,GND	Test point	Any	
D1,D2	LL4148	any	
JP1,JP2	Jumper	Any	
J1	MOTOR_CONN	Any	
J4 (place on bottom layer)	MOTOR_CONN	Any	
J2	SWD	Any	
J3	16-pin SPI, I ² C, SCI	Any	
P1	DB9-female	Any	
R1	3.3 k Ω		
R6,R8	330 Ω		
R2	100 k Ω		
R3	220 Ω		
R4,R5	0		
R7	47 Ω		
R9	120 Ω		
U1	STM32F100CBT6B	STMicroelectronics	STM32F100CBT6B
U2	L78L33ACUTR	STMicroelectronics	L78L33ACUTR
U3	ST3232CTR	STMicroelectronics	ST3232CTR
U4,U5	SFH6156-2T	Vishay Semiconductors	SFH6156-2T
X1	8 MHz	Any	
Jumper			