

## STEVAL-IEM003V1 Bill of material

Reference	Value / generic part number	Package	Manufacturer	Manufacturer's ordering code / orderable part number	Supplier	Supplier's ordering code
CS1,CS2	ACS756SCA-100B-PFF-T		Allegro	ACS756SCA-100B-PFF-T		
CS3	ACS754LCB-050-PFF		Allegro	ACS754LCB-050-PFF		
C1,C2	4700 $\mu$ F/63 V	CEL25				127-824
C3,C4,	100 nF/63 V	SMC1206				
C8,C9,C10	100 nF/63 V	SMC1206				
C5,C6,C7	1 $\mu$ F/63 V	SMC1206				
C11,C12,C17,C18,C23,C24,C43	1 $\mu$ F	SMC0805				
C13,C19,C25	10 nF 50 V	SMC0805				
C14,C31,C33,C34,C36,C37,C38,C39,C40,C41,C42,C45,C46,C47,C51	100 nF 50 V	SMC0805				
C16,C21,C26	10 $\mu$ F 25 V	SMC1210				464-9306
C28,C29	100 $\mu$ F/10 V	Tantilio_C				464-7877
C30	220 $\mu$ F/25 V	Tantilio_Dii				547-9603
C32	22 nF 25 V	SMC0805				
C44	100 nF 50 V	SMC0805				
C48	220 $\mu$ F/63 V	Cel10				191-7943
D1,D2,D3,D4,D5,D6	SM6T18CA	sm/do213ab_21	STMicroelectronics	SM6T18CA	STMicroelectronics	
D13	STPS2L40U	sm/do213ab_21	STMicroelectronics	STPS2L40U	STMicroelectronics	

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FST1,FST2,FST3,J1,J2,			Distrelec	340676		
FST16,FST9,FST5			Distrelec	340676		
J5	2X17	BLCCON.100/VH/T M20E/W.200/34				
J6,J7,J8,J9,J10,J11		SIP/TM/L.200/2				
J12,J14,J16		BLCCON.100/VH/T M20E/W.200/4				528-6322
J18	2X3	BLCCON.100/VH/T M20E/W.200/6				
J19	2X3	BLCCON.100/VH/T M20E/W.200/6				528-6338
J20	Connettore	Mor10mm_S				314-9861
L1	100 µH	CEL10				233-5140
Q1,Q2,Q3,Q4,Q5,Q6	STV250N55F3	SOG.050/10/WG55 0/L.370	STMicroelectronics	STV250N55F3	STMicroelectronics	
Q7,Q8,Q9,Q10,Q11,Q12	STS01DTP06	SOG.050/8/WG.24 4/L.200	STMicroelectronics	STS01DTP06	STMicroelectronics	
R1,R3,R4,R5,R6,R7	10 kΩ	SMR1206				
R49,R55	10 kΩ	SMR0805				
R9	68 kΩ/1 W	TRUE Hole				
R10,R16,R24,R27,R38, R56,R58,R59,R60,R61, R62,R63	47 Ω	SMR1206				
R12,R19,R34,R36,R37, R39,R57	22 Ω	SMR0805				
R13,R29,R35	22 Ω	SMR0805				
R15,R28	560 Ω	SMR0805				

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R18,R31	1.1 k $\Omega$	SMR0805				
R40	16 k $\Omega$	SMR0805				
R41	9.1 k $\Omega$	SMR0805				
R42	4.7 k $\Omega$	SMR0805				
R43,R44,R45,R46,R47, R48	47 k $\Omega$	SMR0805				
R50,R52	2 k $\Omega$	SMR0805				
R51	24 k $\Omega$	SMR0805				
R53	200 $\Omega$	SMR0805				
R54	90 k $\Omega$	SMR0805				
R64	20 k $\Omega$	SMR0805				
TP15,TP16,TP17,TP18, TP19,TP_0,TP20,TP26, TP27,TP28,TP30,TP31, TP32,TP33,TP34,TP35, TP22,TP23,TP24,TP25						
U1,U4,U5	L6388E	SO8	STMicroelectronics	L6388E	STMicroelectronics	
U6	L4978D	SO16	STMicroelectronics	L4978D	STMicroelectronics	
U7	L7805CD2	D2PACK	STMicroelectronics	L7805CD2	STMicroelectronics	
U8	LF33CDT	DPACK	STMicroelectronics	LF33CDT	STMicroelectronics	
U12	LM393AD	SO8	STMicroelectronics	LM393AD	STMicroelectronics	
U13	M74HC367M1R	SO16	STMicroelectronics	M74HC367M1R	STMicroelectronics	
U14	74V1G04CTR	SOT323-5L	STMicroelectronics	74V1G04CTR	STMicroelectronics	
U15	STLM20W8	SOT323-5L	STMicroelectronics	STLM20W8	STMicroelectronics	
W1,W2,W3,W4,W5	JUMP1	SIP/TM/L.200/2				