

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 μ 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 μ F/63 V | SMC1206 | | | | |
| C11,C12,C17,C18,C23,C24,C43 | 1 μ 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 μ F 25 V | SMC1210 | | | | 464-9306 |
| C28,C29 | 100 μ F/10 V | Tantilio_C | | | | 464-7877 |
| C30 | 220 μ F/25 V | Tantilio_Dii | | | | 547-9603 |
| C32 | 22 nF 25 V | SMC0805 | | | | |
| C44 | 100 nF 50 V | SMC0805 | | | | |
| C48 | 220 μ 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 Ω | SMR0805 | | | | |
| R40 | 16 k Ω | SMR0805 | | | | |
| R41 | 9.1 k Ω | SMR0805 | | | | |
| R42 | 4.7 k Ω | SMR0805 | | | | |
| R43,R44,R45,R46,R47, R48 | 47 k Ω | SMR0805 | | | | |
| R50,R52 | 2 k Ω | SMR0805 | | | | |
| R51 | 24 k Ω | SMR0805 | | | | |
| R53 | 200 Ω | SMR0805 | | | | |
| R54 | 90 k Ω | SMR0805 | | | | |
| R64 | 20 k Ω | 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 | | | | |