

Bill of materials

Table 1. STEVAL-AETKT3V1 bill of materials

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
1	1	Table 2. STEVAL-AET31V1B		Main board	ST	Not available for separate sale
2	1	Table 3. STEVAL-AET32V1B		Daughter board	ST	Not available for separate sale
3	1	Table 4. STEVAL-AET33V1B		Daughter board	ST	Not available for separate sale
4	1	Table 5. STEVAL-AET34V1B			ST	Not available for separate sale

Table 2. STEVAL-AET31V1B bill of materials

The STEVAL-AET31V1B board is supplied with the kit and is not available for separate sale

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
1	1	C1	100nF, SMT - 0805, 100V, ± 10%	CAPACITOR	WURTH ELEKTRONIK	885012207128
2	1	C2	1µF, SMT - 0805, 100V, ± 10%	CAPACITOR	KYOCERA AVX	08051C105K4T2A
3	1	C4	NC, SMT - 0805	CAPACITOR (not assembled)	Any	Any
4	3	Cc1, Cc2, Cd	NC, SMT - 0603, 100V mini	CAPACITOR (not assembled)	Any	Any
5	1	J1	SIP 1X4 MALE, SIP 1x4 STEP 2.54mm, 250V, 3A	CONNECTOR - HEADER	WURTH ELEKTRONIK	61300411121
6	2	J2, J3	SIP 1X2 MALE, SIP 1x2 STEP 2.54mm, 250V, 3A	CONNECTOR - HEADER	WURTH ELEKTRONIK	61300211121
7	1	J4	SIP 1X1 MALE, SIP 1x1, 250V, 3A	CONNECTOR - HEADER	WURTH ELEKTRONIK	61300111121
8	1	J5	TERMINAL BLOCK, 2 WAYS STEP 5.08mm, 20 A	CONNECTOR - TERMINAL BLOCK	CAMDENBOSS	CTBP0708/2
9	2	Ju1, Ju2	BLACK COLOR, STEP 2.54mm, 250V, 3A	JUMPER	WURTH ELEKTRONIK	60900213521
10	4	M-01, M-02, M-03, M-04	8MM, D 8 MM	ANTI SLIP PAD	M3	SJ5076
11	12	PAD1, PAD2, PAD3, PAD4, PAD5, PAD6, PAD7, PAD8,	1.04 MM HOLE, 5A	MINI SOCKET	TE CONNECTIVITY	5050935-2

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
		PT1, PT2, PT3, PT4				
12	2	R1, R2	SMT - 0603, 1A, 125mW	RESISTOR	PANASONIC	ERJH3G0R00V
13	2	R3, R4	1K, AXIALI 0.4, 200V, 250mW, ± 5%	RESISTOR	TE CONNECTIVITY	CFR16J1K0
14	1	R5	SMT - 0805, 1.5A, 250mW	RESISTOR	WALSIN	MR08X000 PTL
15	1	R6	100K, SMT - 0603, 75V, 100mW, ± 1%	RESISTOR	VISHAY	CRCW0603100KFKEA
16	1	R7	4K7, SMT - 0603, 75V, 100mW, ± 5%	RESISTOR	VISHAY	CRCW06034K70JNEA
17	1	Rs1	SMT - 3637	RESISTOR - SHUNT (not assembled)	Any	Any
18	1	Rs2	METAL BAND STEP 11.43MM	RESISTOR - SHUNT (not assembled)	Any	OAR1 - R020FI
19	1	S1	434121025816, 6mm x 3.8mm, 12V, 50mA	SWITCH	WURTH ELEKTRONIK	434121025816
20	1	U1	TSC200	High voltage, current sense amplifier with open drain comparator and ref	ST	TSC200

Table 3. STEVAL-AET32V1B bill of materials

The STEVAL-AET32V1B board is supplied with the kit and is not available for separate sale

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
1	1	C1	SMT - 0805	Capacitor - Ceramic - Boitier (not assembled)	Any	Any
2	2	J1, J2	4CTS, SIL 4CTS 1ROW STEP 2.54MM	CI CONNECTOR - BREAKABLE MALE-MALE BARS	SAMTEC	TS-104-G-A
3	1	U1	TSC200 MSO-8	High voltage, current sense amplifier with open drain comparator and ref	ST	TSC200

Table 4. STEVAL-AET33V1B bill of materials

The STEVAL-AET33V1B board is supplied with the kit and is not available for separate sale

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
1	1	C1	SMT - 0805	Capacitor - Ceramic - Boitier (Not assembled)		
2	2	J1, J2	4CTS, SIL 4CTS 1ROW STEP 2.54MM	CI CONNECTOR - BREAKABLE MALE-MALE BARS	SAMTEC	TS-104-G-A
3	1	U1	TSC201, MSO-8	High voltage, current sense amplifier with open drain comparator and ref	ST	TSC201

Table 5. STEVAL-AET34V1B bill of materials

The STEVAL-AET34V1B board is supplied with the kit and is not available for separate sale

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
1	1	C1	SMT - 0805	Capacitor - Ceramic - Boitier (Not assembled)		
2	2	J1, J2	4CTS SIL, 4CTS 1ROW STEP 2.54MM	CI CONNECTOR - BREAKABLE MALE-MALE BARS	SAMTEC	TS-104-G-A
3	1	U1	TSC202, MSO-8	High voltage, current sense amplifier with open drain comparator and ref	ST	TSC202

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