

AD/DA Board evolved – Bill of Materials

Please read the guide book before ordering. The table below lists the codes for ordering the components from Reichelt.

Reference	Part	Value	Quantity	Reichelt #
C1, C2	Ceramic Capacitor	100nF	2	X7R-5 100N
C3..C7	Electrolytic Capacitor	1µF, 63V, radial	5	RAD 1/63 ¹
D1..D8	LED	3mm, red	8	LED 3MM RT
D9, D10	LED	3mm, green	2	LED 3MM GN
D11	LED	3mm, yellow	1	LED 3MM GE
J1	Pin socket	2.54mm, 1x2	1	MPE 094-1-002
J2..J5	Pin socket	2.54mm, 1x8	4	MPE 094-1-008
J6, J8, J10	Pin header	2.54mm, 1 row, 10 total	1	SL 1X36G 2,54
J7, J9	Pin header	2.54mm, 2 rows, 7 total	1	SL 2X36G 2,54
Q1	N-FET Transistor	2N7000	1	2N 7000
R1..R9	Resistor	2kΩ	9	METALL 2,00K
R10..R16	Resistor	1kΩ	7	METALL 1,00K
R17..R19	Resistor	1.5kΩ	3	METALL 1,50K
R20	Resistor	10kΩ	1	METALL 10,0K
R21	Resistor	330Ω	1	METALL 330
R22	Potentiometer ²	10kΩ	1	RK09K111-LIN10K
R23	Resistor	3.3kΩ	1	METALL 3,30K
RN1	Resistor network	8x 1.5kΩ	1	SIL 9-8 1,5K
SW1	Pushbutton switch	SPST	1	TASTER 9308
U1	Comparator	LM393	1	LM 393 DIP
	IC Socket	2x4, 7.62mm	1	GS 8P
U2	RS-232 transceiver ³	MAX232	1	TS232CPE
	IC Socket	2x8, 7.62mm	1	GS 16P

¹You can also use tantalum capacitors (TANTAL 1,0/35). These are smaller and recommended by the MAX232 datasheet, but more expensive.

²Optional. You can use an external variable voltage source instead.

³Optional. You can “borrow” the MAX232 from the evaluation board or connect an external voltage source. See guide book for details.