

Ref	Std. Ver.	Optimal Ver.	Footprint	Value	Shop Link1	Shop Link2
IC1.		1	1 Housings.QFP:LQFP-48 7x7mm Pitch0.5mm	Analog Devices DSP ADAU1701	https://jpr.s-online.com/web/p/audio-processors/7089748/	
U5, U3, U1, U4.		4	4 LME49720MA NOPB:SOIC127P600X175-8N	Dual Op-Amp LME49720MA or Equiv.	http://akizukidenshi.com/catalog/g/gI-08175/	
U2.		0	1 digikey-footprints:TSSOP-20 W4.4mm	8bit 3-state Buffer 74LV541A	http://akizukidenshi.com/catalog/g/gI-03440/	
IC2, IC3.		2	2 Housings.SOIC:SOIC-8 3.9x4.9mm Pitch1.27mm	I2C EEPROM 24AA256 (or Bigger)	http://akizukidenshi.com/catalog/g/gI-10492/	
Q8.		1	1 TO SOT Packages.SMD:TO-252-2	2SB1203 (PNP transistor, base/collector/emitter)	http://akizukidenshi.com/catalog/g/gI-08602/	
Q1, Q3, Q5, Q7.		4	4 TO SOT Packages.SMD:SOT-23	2SD2704KT146 or 2SC3326	http://akizukidenshi.com/catalog/g/gI-06007/	
Q2, Q4.		2	2 TO SOT Packages.SMD:SOT-23	2N7002 (0.115A Id, 60V Vds, N-Channel MOSFET)	http://akizukidenshi.com/catalog/g/gI-04256/	
Q10.		1	1 TO SOT Packages.SMD:SOT-23	IRLML6402 (-3.7A Id, -20V Vds, P-Channel MOSFET, 65mOhm Rds)	http://akizukidenshi.com/catalog/g/gI-02553/	
U6, U7.		2	2 TO SOT Packages.SMD:SOT-223-3 TabPin2	Variable Voltage Regulator AZ1117-ADJ	http://akizukidenshi.com/catalog/g/gI-11194/	
D5.		1	1 LEDs:LED_0603 HandSoldering	SMD LED (1.6mm x 0.8mm, RED)	http://akizukidenshi.com/catalog/g/gI-11879/	
D3, D2.		2	2 Diodes.SMD:D SOD-123	Fast Switching Si Diode N4148W	http://akizukidenshi.com/catalog/g/gI-07084/	
D6, D7, D8, D4, D1.		2	2 Diodes.SMD:D SOD-123	Schottky diode RB160M-30	http://akizukidenshi.com/catalog/g/gI-01398/	
X1.		1	1 Crystals:Crystal HC49-U Vertical	12.288MHz Crystal	https://jpr.s-online.com/web/p/crystal-units/5476496/	
RV3, RV2, RV1.		0	3 Potentiometers:Potentiometer Trimmer Bourns 3339P Horizontal	POT TRIM RESISTOR B10K	http://akizukidenshi.com/catalog/g/gP-06110/	
JP3.		1	1 Pin Headers:Pin Header Straight, 1x02 Pitch2.54mm	SPST TACT Push Switch or 2P Pin Header	http://akizukidenshi.com/catalog/g/gP-08080/	
JP4, JP5, JP2, JP1.		2	4 Pin Headers:Pin Header Straight, 1x02 Pitch2.54mm	2P Pin Header Conn 01x02 (P=2.54mm)	http://akizukidenshi.com/catalog/g/gC-08593/	
J1.		0	1 TerminalBlock Phoenix:TerminalBlock, Phoenix, MPT-2.54mm 6pol	6P Pin Header 01x06 (P=2.54mm)	http://akizukidenshi.com/catalog/g/gC-01669/	
J10.		1	1 Pin Headers:Pin Header Straight, 2x08 Pitch2.54mm	16P Pin Header Conn 02x08 (P=2.54mm)	http://akizukidenshi.com/catalog/g/gC-00082/	
J3.		0	1 Connectors.MulticompMulticomp MC9A12-2034 2x10x2.54mm Straight	20P Pin Header 02x10 (P=2.54)	http://akizukidenshi.com/catalog/g/gC-05176/	
P1.		1	1 Connectors.MulticompMulticomp MC9A12-1034 2x05x2.54mm Straight	10P MIL Male MIL Header Conn 02x05 (P=2.54mm) for USBi	http://akizukidenshi.com/catalog/g/gC-12664/	
J5, J2, J6.		6	6 MyFootprints:RJ-2410N	Single RCA Conn Coaxial (WHITE)	http://akizukidenshi.com/catalog/g/gC-02386/	
J7, J4, J8.		6	6 MyFootprints:RJ-2410N	Single RCA Conn Coaxial (RED)	http://akizukidenshi.com/catalog/g/gC-02385/	
J9.		1	1 Connect:BARREL JACK	DC Power Jack (2.1mm Center, 5.5mm Sleeve)	http://akizukidenshi.com/catalog/g/gC-06568/	
SW1.		1	1 digikey-footprints:Switch Slide 11.6x4mm EG1218	Slide SW SPDT	http://akizukidenshi.com/catalog/g/gP-08790/	
L1.		1	1 Inductors:Inductor 1212	SMD-INDUCTOR-10uH (225MA, 0806)	http://akizukidenshi.com/catalog/g/gP-06984/	
C46.		1	1 Capacitors.THT:CP Radial Tantal D10.5mm P5.00mm	Polarized capacitor 220u/6.3V	http://akizukidenshi.com/catalog/g/gP-10272/	
C38, C39.		2	2 Capacitors.THT:CP Radial D8.0mm P5.00mm	Polarized capacitor 220u/16V	http://akizukidenshi.com/catalog/g/gP-10272/	
C4, C9, C23, C33.		4	4 Capacitors.THT:CP Radial D5.0mm P2.00mm	Polarized capacitor10u/16V	http://akizukidenshi.com/catalog/g/gP-04621/	
C13, C22.		2	2 Capacitors.THT:CP Radial D4.0mm P2.00mm	Polarized capacitor 47uF/6.3	http://akizukidenshi.com/catalog/g/gP-05186/	
C24, C14.		2	2 Capacitors.THT:CP Radial D4.0mm P2.00mm	Polarized capacitor 2.2uF/16	http://akizukidenshi.com/catalog/g/gP-03171/	
C27, C28.		2	2 Capacitors.SMD:C 0805 HandSoldering	22p		
C5, C1, C10, C7, C25, C18, C34, C29.		8	8 Film Capacitors.SMD:C 0805 HandSoldering	150pF (Panasonic ECHU)	https://www.sengoku.co.jp/mod/sgk_cart/search.php?cid=3300	
C3, C8, C21, C32.		4	4 Film Capacitors.SMD:C 0805 HandSoldering	1000pF (Panasonic ECHU)	https://www.sengoku.co.jp/mod/sgk_cart/search.php?cid=3300	
C19, C35, C26, C11, C6.		5	5 Capacitors.SMD:C 0805 HandSoldering	3300pF		
C20.		1	1 Capacitors.SMD:C 0805 HandSoldering	0.056uF		
C44, C31, C45, C17, C2, C52, C53, C50, C51, C57, C58, C59, C60, C42, C37.		12	13 Capacitors.SMD:C 0805 HandSoldering	0.1u		
C41.		1	1 Capacitors.SMD:C 0805 HandSoldering	1u/6.3V		
C30, C47, C49		6	6 Capacitors.SMD:C 0805 HandSoldering	2.2u/6.3V		
C54, C55, C56.		6	6 Capacitors.SMD:C 0805 HandSoldering	2.2u/16V		
C43, C16, C12, C15, C40.		7	7 Capacitors.SMD:C 0805 HandSoldering	10u/6.3V		
C36, C48.		7	7 Capacitors.SMD:C 0805 HandSoldering	10u/16V		
R34, R76, R80.		3	3 Resistors.SMD:R 0805 HandSoldering	0R		
R48, R8, R9, R13, R14, R15, R16, R17, R81.		1	9 Resistors.SMD:R 0805 HandSoldering	100R		
R66, R65.		2	2 Resistors.SMD:R 0805 HandSoldering	220R		
R69.		1	1 Resistors.SMD:R 0805 HandSoldering	360R		
R37.		1	1 Resistors.SMD:R 0805 HandSoldering	470R		
R56, R35, R22, R5, R68.		5	5 Resistors.SMD:R 0805 HandSoldering	680R		
R60, R7, R3, R24, R21, R39, R33, R58, R52, R75, R78, R70, R79.		13	13 Resistors.SMD:R 0805 HandSoldering	1k		
R54, R53, R71.		3	3 Resistors.SMD:R 0805 HandSoldering	2k2		
R55, R72, R61, R6, R2, R23, R20, R38, R32, R57, R51, R30, R19, R4, R83.		14	15 Resistors.SMD:R 0805 HandSoldering	10k		
R36, R40, R46.		3	3 Resistors.SMD:R 0805 HandSoldering	18k		
R1, R18, R31, R50, R11, R26, R42, R63, R64, R43, R27, R12.		12	12 Resistors.SMD:R 0805 HandSoldering	22k		
R62, R41, R25, R10, R44, R28.		6	6 Resistors.SMD:R 0805 HandSoldering	47k		
R49		1	1 Resistors.SMD:R 0805 HandSoldering	4.7k		
R45, R29, R67, R74, R82.		4	5 Resistors.SMD:R 0805 HandSoldering	100k		
R73.		1	1 Resistors.SMD:R 0805 HandSoldering	1MEG		