









Comment	Designator	Footprint	JLCPCB Part#(Optional)	Description	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
3.3 uF	C1, C2, C3, C4, C6, C7	0402	C694161	Capacitor, 0402, X5R, ±20%	6			Digi-Key	490-13252-1-ND
10 nF	C5	0402	C382730	Capacitor, 0402, X5R, ±20%	1			Digi-Key	490-13252-1-ND
0.1 uF	C8	0402	C60474	Capacitor, 0402, X7R, ±20%	1			Digi-Key	490-13252-1-ND
1 uF	C9, C18, C25, C27	0402	C528974	Capacitor, 0402, X7R, ±10%	4			Digi-Key	490-13252-1-ND
1.0 uF	C10, C14, C17, C20, C22, C24	0402	C77009	Capacitor, 0402, X5R, ±20%	6			Digi-Key	490-13252-1-ND
100 nF	C11, C15, C19, C23	0402	C60474	Capacitor, 0402, X5R, ±20%	4			Digi-Key	490-13252-1-ND
100 uF	C12	0805	C141660	Capacitor, 0805	1			N.A.	N.A.
10 uF	C13	0402	C315248	Capacitor, 0402, X5R, ±20%	1			Digi-Key	490-13252-1-ND
10 uF	C16, C21	0402	C315248	Capacitor, 0402, X7R, ±10%	2			Digi-Key	490-13252-1-ND
4.7 uF	C26	0402	C368809	Capacitor, 0402, X5R, ±20%	1			Digi-Key	490-13252-1-ND
4.7 uF	C28	0402	C368809	Capacitor, 0402, X7R, ±20%	1			Digi-Key	490-13252-1-ND
54102-0404	J1, J2		N/A	0.50mm Pitch SlimStack Receptacle, Surface Mount, Dual Row, Vertical, 2.50mm Stacking Height, Gold Plating with Nickel Barrier, 40 Circuits	2	Molex	54102-0404	Digikey	WM3781CT-ND
530470810	J3, J4		C240845	Connector	2				
S2B-PH- KL_LF_SN	J5	Plugin_P=2mm	C160237	Connector	1				
CON_012pin_2x6	J6		C6332209	Con 12 pins 2x6	1				
9K-3296S-01-L1	J7		C319020	Connector	1				
BSS138BKVL	Q1, Q2		C52895	MOSFET (N-Channel)	2				
390K	R1	0402	C25782	Resistor, 0402, ±1%, 0.05W	1			N.A.	N.A.
200	R2, R3, R4, R5, R6, R7, R8, R9	0402	C140185	Resistor, 0402, ±1%, 0.05W	8			N.A.	N.A.
5.1K	R10	0402	C25905	Resistor, 0402, ±1%, 0.05W	1			N.A.	N.A.
100K	R11, R12, R13, R14, R19, R20, R22, R26	0402	C25741	Resistor, 0402, ±1%, 0.05W	8			N.A.	N.A.
10K	R15, R16	0402	C25744	Resistor, 0402, ±1%, 0.05W	2			N.A.	N.A.
0	R17, R18	0603	C21189	Resistor, 0603	2			N.A.	N.A.
48K	R21, R25	0402	C100445	Resistor, 0402, ±1%, 0.05W	2			N.A.	N.A.
1	R23, R24	0402	C25086	Resistor, 0402, ±1%, 0.05W	2			N.A.	N.A.
10	R27	0402	C881178	Resistor, 0402, ±1%, 0.05W	1			N.A.	N.A.
DHN-02F-V-T_R	S1	SMD-4P,3.8x4.5mm	C224995	Switch	1				
DHN-08F-T-V-T_R	S2		C89711	Switch	1				
ADS1299IPAG	U1			Low-Noise, 8-Channel, 24-Bit Analog Front-End for Biopotential Measurement, 16 KSPS, -40 to 85 degC, 64-Pin PQFP (PAG-64), RoHS, Tube	1	Texas Instruments	ADS1299IPAG	Mouser	595-ADS1299IPAG
TLV71311PDBVR	U2		C205964	Integrated Circuit	1				
LM2775DSGR	U3		C473361	Integrated Circuit	1				
LP2951ACSD/NOPB	U4, U5		C352920	Series of Adjustable Micropower Voltage Regulators, 8-pin LLP, Pb-Free	2	TI National Semiconductor	LP2951ACSD/NOPB	Mouser	926-LP2951ACSD/NOPB
MM5Z5V1T1G	Z1, Z2, Z3, Z4	SOD-523	C146754	Zener Diode	4				