

Bill of Materials

Assembly VUM-3 Stereo VU Meter Module Stereo VU meter driver module	Revision 01	Artwork A
Variant V01-VUM3 VUM-3 default build	Status production	

Part Number	Part	Qty	UM	Ref	Alt Part
AX000004L	Capacitor SMD ceramic 0.01uF 50V X7R SMD 0805	2.00	ea	C3, C9	
AX000006B	Capacitor SMD ceramic 0.1uF 50V X7R SMD 0805	5.00	ea	C14, C16-C19	
AX001280A	Capacitor SMD ceramic 150pF 50V NPO SMD 0805	8.00	ea	C1, C2, C4, C5, C7, C8, C10, C11	
AX001275H	Capacitor SMD electrolytic 10uF 25V 4x5.5 SMD electro 4x5.4	4.00	ea	C6, C12, C13, C15	
AX000444L	Connector SIL header 2 way KF2510 SIL 100mil polarised vertical pin header Header thru-hole 100mil 1x2	2.00	ea	CN1, CN3	
AX000437C	Connector SIL header 3 way KF2510 SIL 100mil polarised vertical pin header Header thru-hole 100mil 1x3	2.00	ea	CN2, CN4	
AX001462O	Diode schottky SMD Schottky 40V 1A SS14 SMD DO214BA	4.00	ea	D1, D2, D4, D5	
AX000915C	Diode small signal SMD 100V 100mA MCL4148 SOD-80C (mini-melf)	2.00	ea	D3, D6	
AX000963V	IC linear op amp Dual JFET low noise audio op-amp TL072/LF353 SO-8 150mil	2.00	ea	U2, U3	
AX001295V	IC linear op amp Dual low noise op-amp NE5532 SO-8 150mil	1.00	ea	U1	
AX001476B	PCB VUM-3 Stereo VU Meter	1.00	ea		
AX000367R	Potentiometer 9mm PCB mtg 100mil centres, 18T metric spline, 100K lin SG thru-hole custom	2.00	ea	VR1, VR2	
AX000074I	Resistor SMD 100K 5% 0.1W SMD 0805	2.00	ea	R7, R20	
AX000074I	Resistor SMD 100K 5% 0.1W SMD 0805	2.00	ea	R11, R24	
AX000075Q	Resistor SMD 100R 5% 0.1W SMD 0805	4.00	ea	R1, R5, R14, R18	
AX000076Y	Resistor SMD 10K 5% 0.1W SMD 0805	12.00	ea	R2-R4, R6, R8, R9, R15-R17, R19, R21, R22	
AX000149H	Resistor SMD 3K3 5% 0.1W SMD 0805	2.00	ea	R27, R28	
AX000161J	Resistor SMD 4K3 5% 0.1W SMD 0805	4.00	ea	R10, R13, R23, R26	
AX000169V	Resistor SMD 560K 5% 0.1W SMD 0805	2.00	ea	R12, R25	
AX001482C	Transistor SMD BJT BC849B NPN GP AMP 30V 100mA SOT-23	2.00	ea	Q1, Q2	