

# Bill of Materials

Assembly <b>ASCM-4 Audio Switch (2-in, 6-out) Control Module Audio switch control module 2-in, 6-out, Mute</b>	Revision <b>02</b>	Artwork <b>B</b>
Variant <b>V02-ASCM4 12VDC operation, Vled=12V, Ext LED R</b>	Status <b>production</b>	

Part Number	Part	Qty	UM	Ref	Alt Part
AX000006B	Capacitor SMD ceramic 0.1uF 50V X7R SMD 0805	12.00	ea	C1-C8, C10, C11, C13, C14	
AX001458D	Capacitor SMD electrolytic 10uF 16V 4x5.4 SMD electro 4x5.4	1.00	ea	C9	
AX001423U	Capacitor SMD electrolytic 22uF 16V 5x5.4 SMD electro 5x5.4	1.00	ea	C12	
AX001283Y	Connector JST type 5-way SIL socket 2.0mm (PH) SIL-5 thru-hole 2.0mm	1.00	ea	CN7	
AX000444L	Connector SIL header 2 way KF2510 SIL 100mil polarised vertical pin header Header thru-hole 100mil 1x2	2.00	ea	CN18, CN20	
AX000437C	Connector SIL header 3 way KF2510 SIL 100mil polarised vertical pin header Header thru-hole 100mil 1x3	8.00	ea	CN3, CN4, CN6, CN9, CN11, CN14, CN16, CN21	
AX000697E	Connector SIL header 4 way KF2510 SIL 100mil polarised vertical pin header Header thru-hole 100mil 1x5	9.00	ea	CN1, CN2, CN5, CN6, CN10, CN12, CN13, CN15, CN19	
AX000914U	Diode rectifier SMD 1A 400V standard recovery M4 SMD DO214BA	1.00	ea	D11	
AX000915C	Diode small signal SMD 100V 100mA MCL4148 SOD-80C (mini-melf)	9.00	ea	D1-D5, D7-D10	
AX001530J	IC MPU PIC PIC18F24K40-I/SO SO-28 300mil	1.00	ea	U1	
AX000901P	IC voltage regulator +5V 800mA LDO LM1117-5 TO-252 SMD	1.00	ea	U2	
AX001455F	LED SMD Green 33mcd SMD 0805	1.00	ea	D6	
AX001531R	PCB ASCM-4 Audio Switch (2-in, 6-out) Control Module PCB	1.00	ea		
AX000073A	Resistor SMD 0R0 5% 0.1W SMD 0805	9.00	ea	R7, R9, R16, R19, R25, R31, R36, R41, R46	
AX000075Q	Resistor SMD 100R 5% 0.1W SMD 0805	9.00	ea	R1, R4, R11, R14, R23, R29, R33, R38, R43	
AX000076Y	Resistor SMD 10K 5% 0.1W SMD 0805	19.00	ea	R2, R3, R5, R6, R12, R13, R15, R18, R22, R24, R25, R28, R30, R34, R35, R39, R40, R44, R45	
AX000102B	Resistor SMD 1K 5% 0.1W SMD 0805	1.00	ea	R21	
AX000159O	Resistor SMD 47K 5% 0.1W SMD 0805	9.00	ea	R8, R10, R17, R20, R27, R32, R37, R42, R47	
AX001348Q	Transistor SMD BJT MMBT4401 NPN GP SW 40V 600mA SOT-23	9.00	ea	Q1-Q9	