

Bill Of Materials

Assembly APM-3 BTL Audio Power Meter (4 LED) BTL Audio Power Meter (4 LEDs)	Revision 01	Artwork A
Variant V01-APM3 APM-3 48V Peak	Status production	

Part Number	Part	Qty	UM	Ref	Alt Part
AX000006B	Capacitor SMD ceramic 0.1uF 50V X7R SMD 0805	3.00	ea	C3-C5	
AX001280A	Capacitor SMD ceramic 150pF 50V NPO SMD 0805	2.00	ea	C1, C2	
AX001275H	Capacitor SMD electrolytic 10uF 25V 4x5.5 SMD custom	2.00	ea	C6, C7	
AX000444L	Connector SIL header 2 way SIL 100mil polarised vertical pin header Header thru-hole 100mil 1x2	1.00	ea	CN1	
AX000437C	Connector SIL header 3 way SIL 100mil polarised vertical pin header Header thru-hole 100mil 1x3	1.00	ea	CN2	
AX000915C	Diode small signal SMD 100V 100mA MCL4148 SOD-80C (mini-melf)	4.00	ea	D1-D4	
AX001295V	IC linear op amp Dual low noise op-amp NE5532 SO-8 150mil	1.00	ea	U2	
AX001042C	IC linear special function Low power quad comparator, LM2901 SO-14 150mil	1.00	ea	U1	
AX000373S	LED thru-hole 3mm GREEN LED, high efficiency thru-hole custom	2.00	ea	D7, D8	
AX000989F	LED thru-hole 3mm WHITE, high efficiency flat top thru-hole custom	1.00	ea	D5	
AX000374A	LED thru-hole 3mm YELLOW LED, high efficiency thru-hole custom	1.00	ea	D8	
AX001354R	PCB APM-3 BTL Audio Power Meter (4 LED)	1.00	ea		
AX000597Y	Potentiometer Trimmer, top-adjust multiturn 100mil centres, 10K thru-hole custom	1.00	ea	VR1	
AX000075Q	Resistor SMD 100R 5% 0.1W SMD 0805	1.00	ea	R18	
AX000076Y	Resistor SMD 10K 5% 0.1W SMD 0805	8.00	ea	R3-R8, R10, R13	
AX000102B	Resistor SMD 1K 5% 0.1W SMD 0805	1.00	ea	R15	
AX000117W	Resistor SMD 22K 5% 0.1W SMD 0805	3.00	ea	R11, R12, R19	
AX000124F	Resistor SMD 270R 5% 0.1W SMD 0805	1.00	ea	R17	
AX000127D	Resistor SMD 2K0 5% 0.1W SMD 0805	1.00	ea	R14	
AX000138S	Resistor SMD 33K 5% 0.1W SMD 0805	2.00	ea	R1, R2	
AX000162R	Resistor SMD 4K7 5% 0.1W SMD 0805	1.00	ea	R9	
AX000166X	Resistor SMD 510R 5% 0.1W SMD 0805	1.00	ea	R16	
AX001349Y	Transistor SMD BJT PNP GP SW 40V 600mA MMBT4403 SOT-23	1.00	ea	Q1	