

Contact Us

Sure Electronics Co., Ltd.

East zone, 3F, Building 6

Jingang Technology Innovation Center

No.108 Ganjiabian Rd (ZIP: 210000)

Qixia District

Nanjing

P.R.China

Tel: +86-25-68154800-860

Fax: +86-25-68154891-832

Website: www.sure-electronics.com

Email: customerservice@sure-electronics.com

Overview

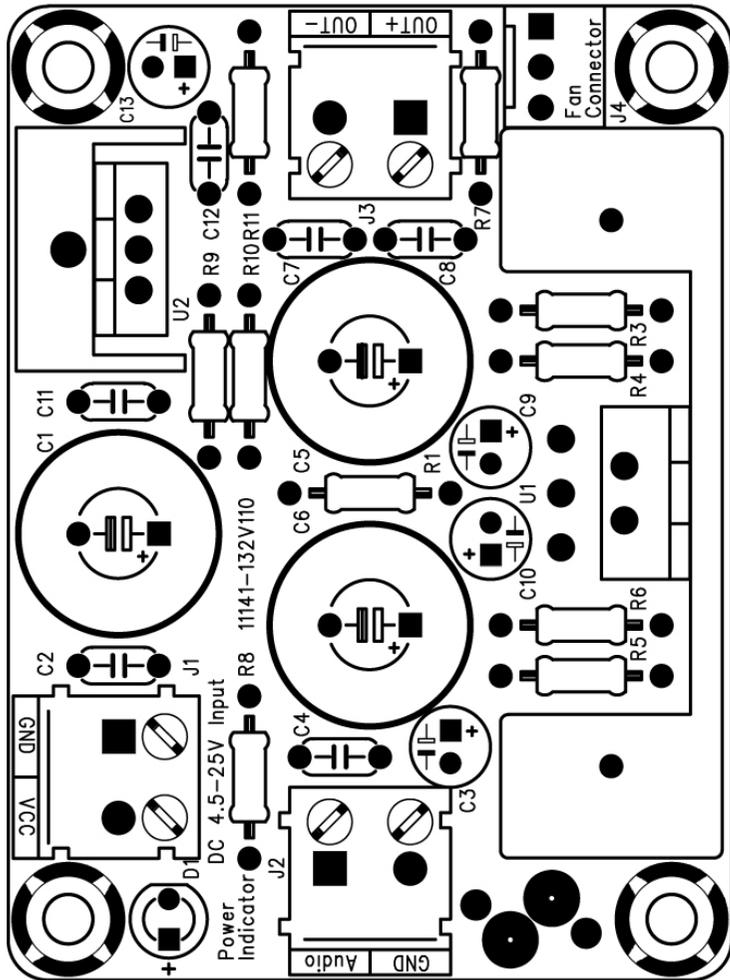
This kit is a low frequency Class-AB audio power amplifier kit using a TDA2030 power amplifier IC. Comes with this kit is a monophonic audio amplifier, Printed Circuit Board, capacitors and resistors.

This kit is capable of delivering 10W power and features high output current, low distortion, short circuit protection and thermal shutdown. This kit can be powered by a wide range of 4.5V to 25V. Moreover, all components are through-hole and can be easily to be soldered to the PCB. This kit includes:

Item		Description	Quantity
Resistors	R4	680ohm 1/4W	1
	R7	4.7ohm 1/4W	1
	R8	4.7Kohm 1/4W	1
	R1,R3,R5,R6	22Kohm 1/4W	4
Capacitors	C1,C5,C6	470uF(684K) electrolytic	3
	C2,C4,C7,C8	1uF(105) monolithic	4
	C3,C9,C10	22uF 35V electrolytic	3
Amplifier Chip	U1	TDA2030 TO-220	1
LED	D1	3mm Green	1
Printed Circuit Board		61.00(L) × 45.70(W) × 1.60(H) ±0.20mm	1
Heat Sink	-	-	1
Screws	-	For fixing heat sink and the chip	3
Nuts	-	For fixing the chip	1

Note: As to audio signal input and output, we don't provide components which should be prepared by users themselves.

PCB Layout



J1 is for power input. J2 is for audio input. J3 is for audio output. What you need to do is solder terminal blocks.

Circuit Diagram

