

12W HI-FI AUDIO AMPLIFIER

12W Hi-Fi Audio Amplifier project using TDA2030 IC, intended to be used as a low frequency class AB amplifier.

- Power supply input 24 VDC
- Output : 12 W, 4 Ω
- Input resistance 5 MΩ
- Very low harmonic distortion (0.5%) and cross-over distortion
- IC built in Short circuit, Thermal shut-down
- Terminal pins for connecting audio signal input
- Screw terminal connector for easy power supply input and speaker output connection
- Power-On LED indicator
- Heatsink for IC
- Four mounting holes of 3.2 mm each with nut and stud
- PCB dimensions 39 mm x 60 mm



SR.	QTY.	REF.	DESCRIPTION
1	1	CN1	2 PCB PIN
2	1	CN2	2 PIN SCREW TERMINAL CONNECTOR
3	1	C1	100uF/25V
4	1	C2	0.1uF
5	1	C3	1uF/63V
6	1	C4	1000uF/25V
7	2	C5,C7	10uF/50V OR 63V
8	1	C6	220nF
9	2	D1,D2	1N4007
10	1	D3	RED LED
11	1	LS1	2 PIN SCREW TERMINAL CONNECTOR
12	4	R1,R2,R4,R5	100K
13	1	R3	1E
14	1	R6	3.3K
15	1	R7	2.2K
16	1	U1	TDA2030
17	1	HEATSINK	HS02060
18	4	STUD	ST05008
19	4	SCREW	SC02905
20	1	SCREW	SC02909
21	1	NUT	NT02900

