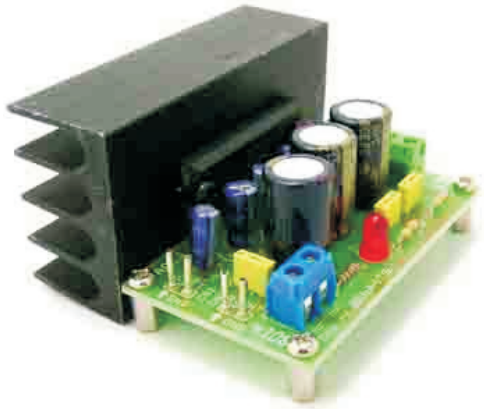
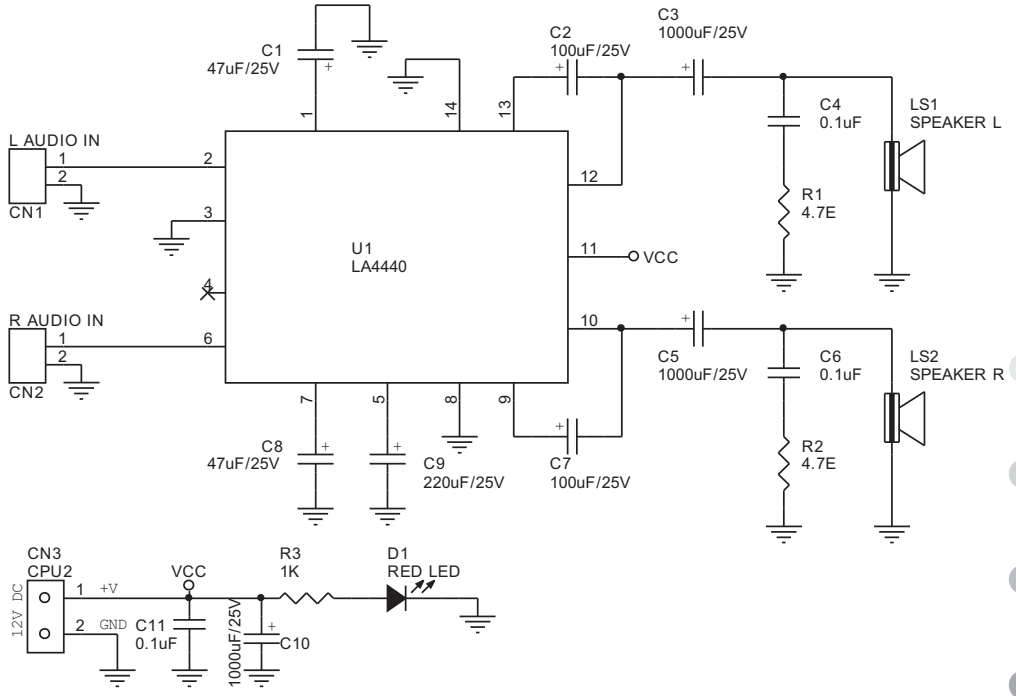
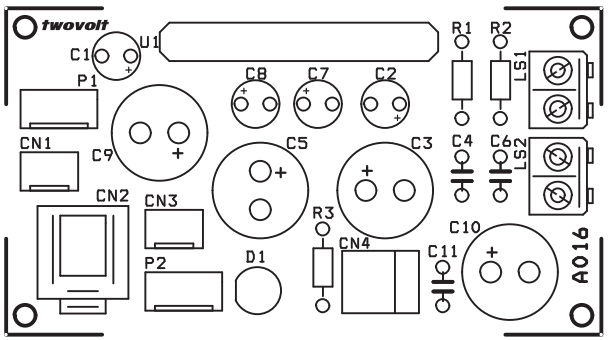
# 6W + 6W STEREO AUDIO AMPLIFIER

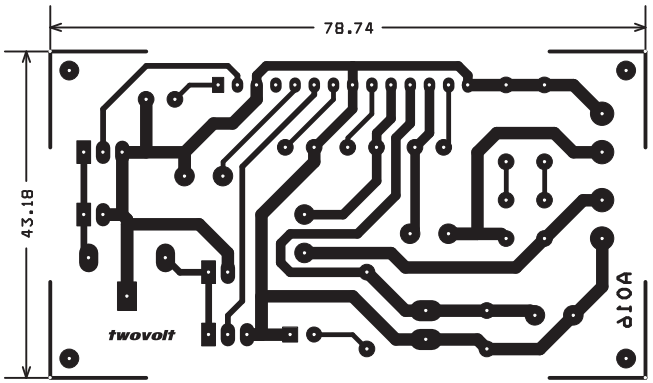
6W + 6W Stereo Audio Amplifier project is based on LA4440 IC from

- Power supply - 12 VDC
- Output - 2 X 6 W, 4 Ω
- Input resistance - 30 KΩ
- Low distortion (THD - 0.1%), Good channel separation and ripple rejection
- IC built-in thermal, overvoltage, pin-to-pin short protector
- Terminal pins for connecting inputs
- Power Battery Terminal (PBT) for easy power supply and speakers connection
- Power-On LED indicator
- Heatsink for IC
- Four mounting holes of 3.2 mm each with nut and stud
- PCB dimensions 41 mm x 72 mm






| SR. | QTY. | REF. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | CN1 | 2 PCB PIN |
| 2 | 1 | CN2 | 2 PCB PIN |
| 3 | 1 | CN3 | 2 PIN PBT CONNECTOR |
| 4 | 2 | C1,C8 | 47uF/25V |
| 5 | 2 | C2,C7 | 100uF/25V |
| 6 | 3 | C3,C5,C10 | 1000uF/25V |
| 7 | 3 | C4,C6,C11 | 0.1uF |
| 8 | 1 | C9 | 220uF/25V |
| 9 | 1 | D1 | RED LED |
| 10 | 1 | LS1 | 2 PIN PBT CONNECTOR |
| 11 | 1 | LS2 | 2 PIN PBT CONNECTOR |
| 12 | 2 | R1,R2 | 4.7E |
| 13 | 1 | R3 | 1K |
| 14 | 1 | U1 | LA4440 |
| 15 | 1 | HEATSINK | HS01072 |
| 16 | 4 | STUD | ST05008 |
| 17 | 4 | SCREW | SC02905 |
| 18 | 2 | SCREW | SC02909 |

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