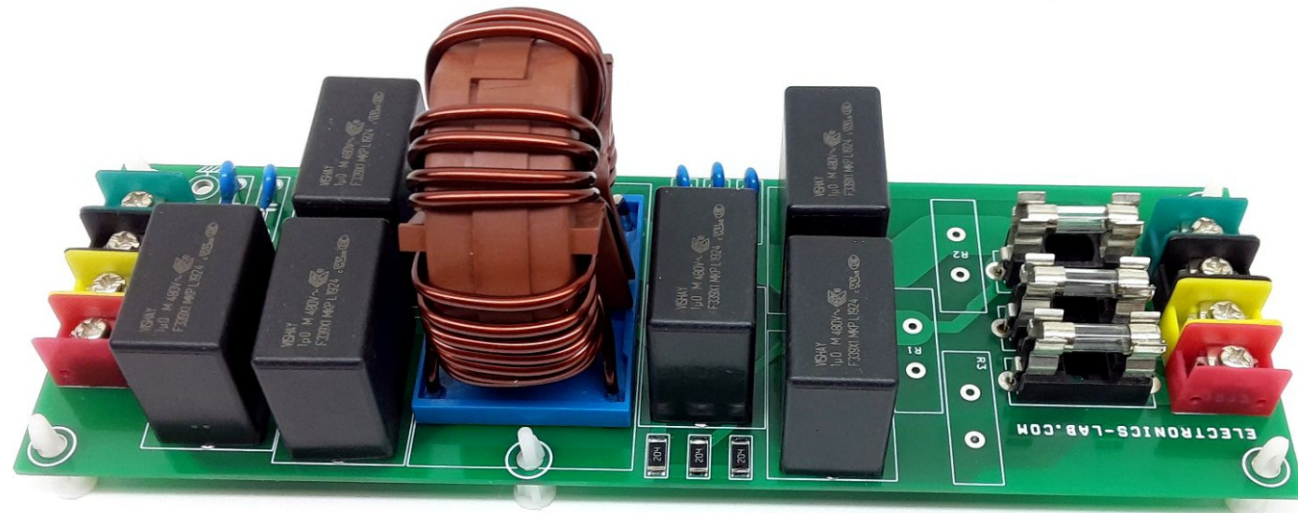


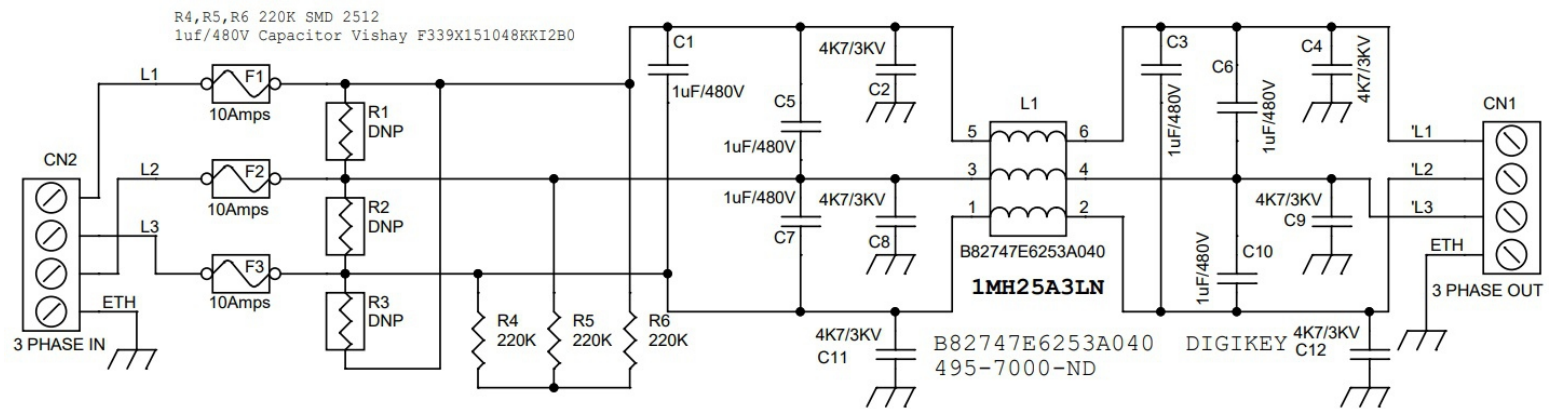
3 Phase (3 Wire) EMI Filter – 480VAC

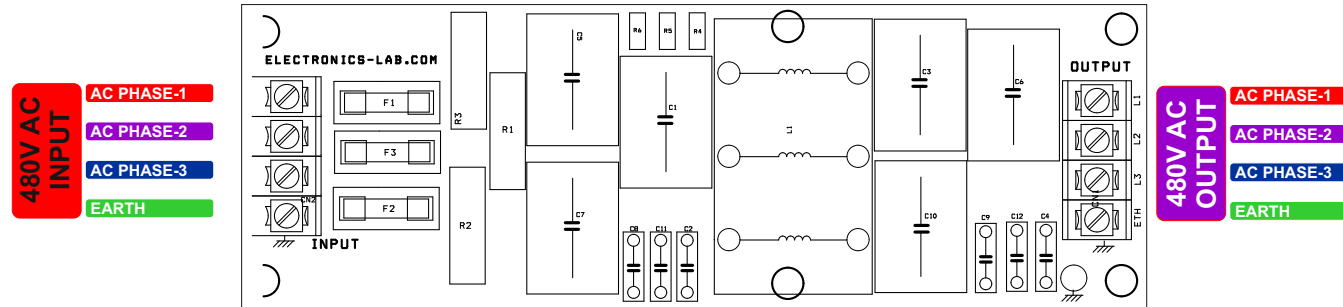
The project presented here is a 3 Phase (3Wire) EMI Power line filter which reduces electromagnetic interference and noise conducting in to and out of equipment power lines. These EMI filters can prevent electromagnetic noise of equipment going into the power line and disturb the proper functions of other devices such as communication devices, digital circuits, and robotics thus noise generated from switched power electronics. This single-stage board is designed and built using a high-quality common mode inductor and AC capacitors. This filter can be used to filter EMI noise in AC power lines 480VAC and can handle currents up to 10A. 3 x fuses are provided for over current and short circuit protection. It is easy to connect inputs and outputs using Barrier's screw terminals. 6 x 4.2MM mounting holes were provided for easy mounting of the PCB.

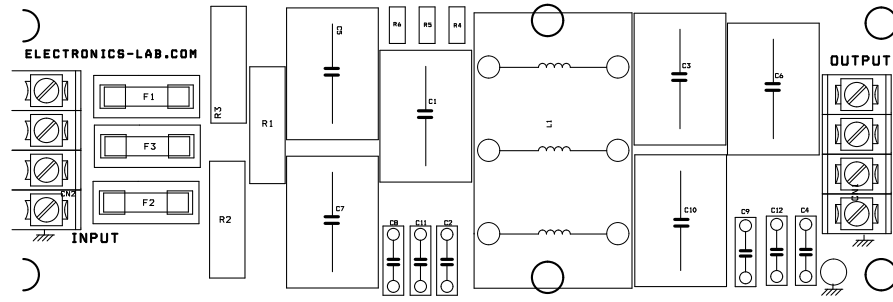
Features

- High Quality 3 Phase EMI Filter Using Common Mode Inductor
- Rated Input Supply up to 480V AC 50-60Hz
- Horizontally Mounted Common Mode Choke
- 3X Fuse on All 3 Phase Inputs for Protections
- 6 X 4.2 MM Mounting Holes
- Barrier Screw Terminals for Inputs and Outputs
- PCB Dimensions 217.17 X 70.49MM

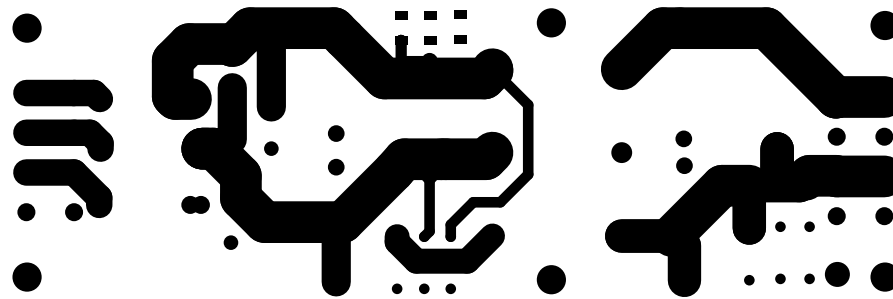




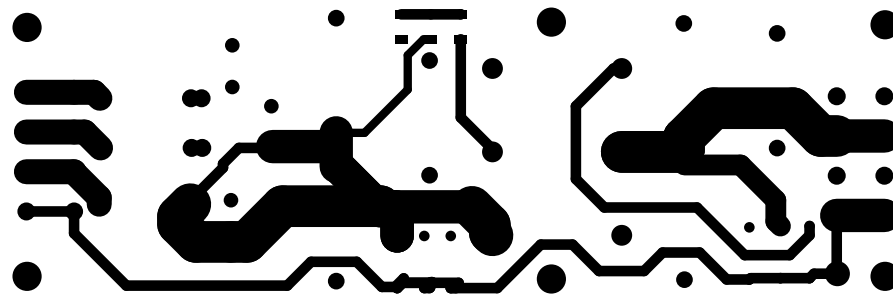




SILK SCREEN TOP



BOTTOM LAYER



TOP LAYER