



Photograph 1: Phono Preamplifier Kit Contents

The kit consists of a printed circuit board (PCB) and all of the components which mount on the PCB. You will need a suitable case, a power supply (15VAC walwart) and some optional components if you want add additional compensations. The PCB has provision to allow three different compensations which are jumper selectable. But note that only enough components are provided in the kit to install one complete and two partial compensations. To have three complete selectable compensations you will need to buy the balance of the components (which cost me about \$20). If you are only interested in RIAA compensation, additional parts are not required.

Compensations listed are: RIAA, DECCA, EMI LP, NARTB and Columbia. There are also a number of 78 compensations. There is a lot of flexibility with this kit. For myself, I included RIAA and DECCA compensation.

The schematic of the preamplifier section is shown in Figure 1. Please note that this circuit is © Silicon Chip Online and permission to host the schematic on this site has been provided by Silicon Chip Online. Here is the link to the article which appeared in Issue 215 - Build this magnetic cartridge preamplifier by John Clarke.





The case I chose is of ABS plastic. The plastic is tough to drill but does not shatter or splinter. I lined the case with sticky tar and heavy Aluminum foil tape on the base, lid and sides. I did not earth the foil. The PCB stands on sticky computer stand-offs. The foil and stand-offs provide dampening and RF shielding. For further dampening I added large soft silicon feet.



Photograph 3: Phono Preamplifier Enclosure

The gain control pokes through the front with the inputs/outputs (gold plated RCA jacks) and power socket on the rear. A LED was



