ONE HUNDRED PERCENT BOARD

The one hundred percent board is a hardware upgrade for the BBC microcomputer. It consists of a printed circuit board measuring 3 by 2.5 inches, having four IC's and two sockets with a flying lead to a switch.

The purpose of the board is to allow the UDM DDFS and the standard ACORN DFS to be physically installed in the BBC. The switch is intended to be mounted at the rear of the machine and allows switching between the two disk filing systems.

The ACORN DFS EPROM must be installed in a higher priority sideways ROM socket than the UDM DDFS EPROM. The board is installed in the IC78 socket on the main BBC mother board. A sacrifical 40 pin DIL socket should be installed in the socket prior to fitting the 100% board. IC78 can be found just above the keyboard connector. The 8271 floppy disk controller should be fitted in the right hand socket on the 100% board. Another sacrifical 40 pin can optionally be installed in the left hand 40 pin DIL socket on the 100% board prior to the instalation of the UDM DDFS board. All the support chips are required to be in the BBC mother board ie., the UDM DDFS does not use the 74LS393 and 74LS10 IC's 81 and 82. If the board is being used to upgrade a UDM DDFS the extra chips are required. The header supplied with the UDM DDFS installed in IC socket 87 must be replaced with a 74LS123 for correct working of the ACORN DFS, this will not effect the working of the UDM DDFS.

The purpose of the board is not to dynamically switch between filing systems, but to allow the user to run third party software which accesses the ACORN filing system directly. Switching between the filing systems is accomplished by selecting with the single pole double throw switch provided and preforming a soft or hard break. Information can be interchanged by selecting the Acorn DFS running the third party software and then selecting the UDM DDFS and using the COPY command to transfer information to double density.

NB. This board requires the current issues of software as at June 85.