

## Connecting a 5.25 inch Disc Drive to a Master Compact

The Master Compact Microcomputer uses 3.5 inch disc drives. It is therefore not directly possible to read 5.25 inch discs, which may have been created from other BBC Microcomputers such as the B, B+ and Master 128.

It is possible to connect a 5.25 inch disc drive to the Master Compact for the purpose of transferring information between 5.25 inch and 3.5 inch formats. **However, 5.25 inch discs should not be used as a means of data distribution, and only 3.5 inch discs are recommended for data storage on the Master Compact.**

The 5.25 inch disc drive should be mains powered and should be of a modern type. The 1772 disc controller IC used in the Master Compact will not support step speeds slower than 12ms. Some older drives take up to 30ms, and this will not be compatible with the Master Compact. Generally speaking, half height drives will be suitable.

The 5.25 inch disc drive must be configured as drive one. The method for doing this varies between makes of drive. Generally, the drive case will need removing, and a jumper moved from the position marked DS0 to the position marked DS1. **The drive must be disconnected from the mains supply before doing this.**

A special cable must be made up in order to connect both 5.25 inch drives and 3.5 inch drives to the Master Compact. The attached diagram shows the cable required. This special cable should be connected to the back of the Compact computer keyboard unit, the Compact Monitor Stand (disc drive) should be connected to the 25 way 'D' type connector on the cable, and the 5.25 inch disc drive should be connected to the 34 way connector on the cable.

ADFS files on 5.25 inch discs may now be transferred from drive one to drive zero as detailed in ADFS documentation. However, transferring data from DFS files on 5.25 inch discs to the 3.5 inch ADFS format requires a sideways RAM image of 1770 DFS to be loaded in to Sideways RAM on the Master Compact. Later editions of the Master Compact Welcome disc contain such an image. Either of these could be loaded in to sideways RAM for this purpose. Users not having either version can purchase copies of the most recent Master Compact Welcome disc from:

Service and Training Department  
Acorn Computers Ltd  
645 Newmarket Road  
CAMBRIDGE  
CB5 8PD

at a charge of £5 including postage and VAT. Please make any cheque payable to Acorn Computers Ltd.

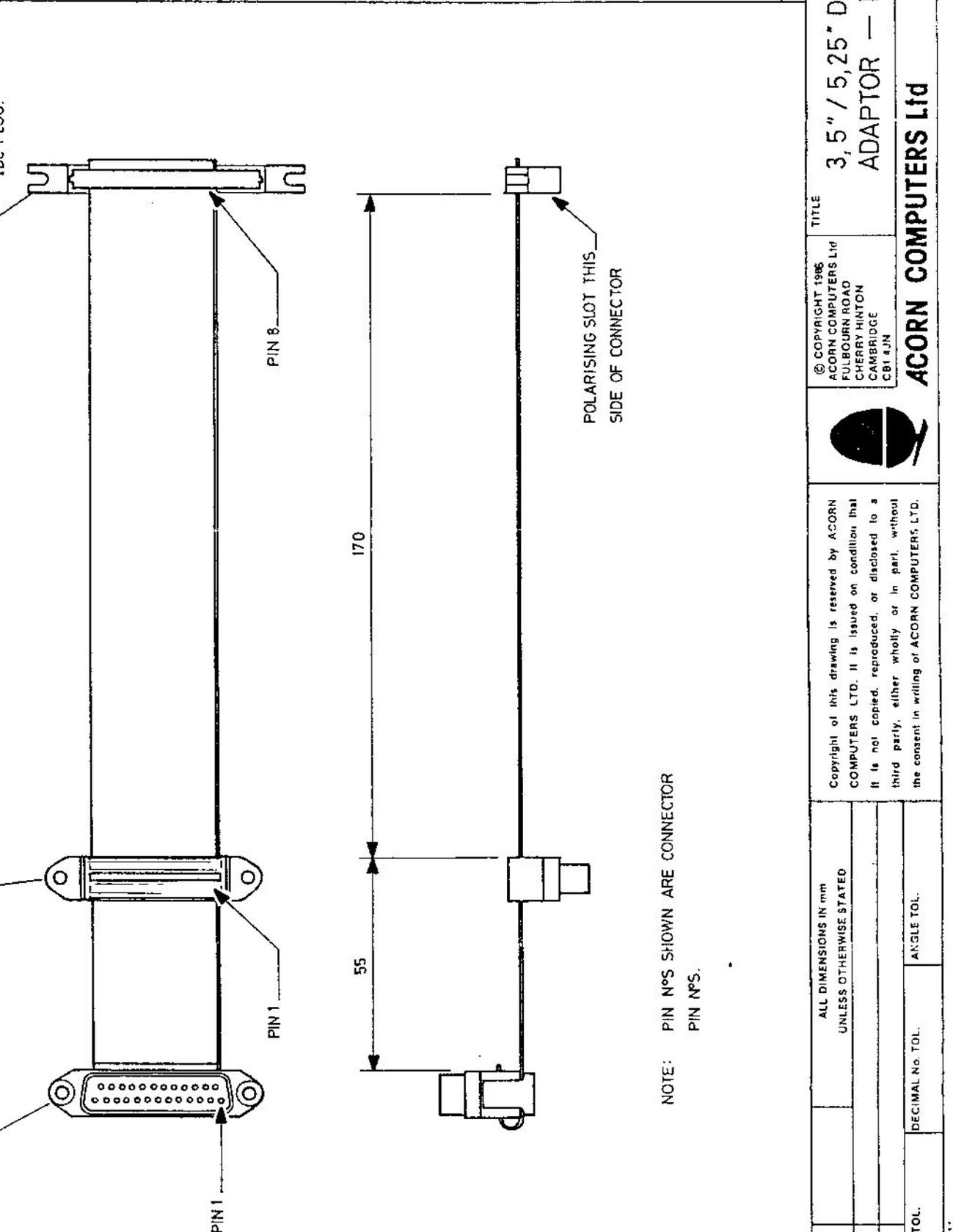
Once DFS has been loaded into sideways RAM, files may be transferred using the COPYFILES utility provided on the Master Compact Welcome disc. You should only use ADFS on the 3.5 inch discs, do not use them for DFS.

DO NOT SCALE	
RELEASED TO PRE-PRODUCTION	
ISS	SIGN
DATE	SIGN
RELEASED TO PRODUCTION	
ISS	SIGN
DATE	SIGN

DRG. No.	FIRST USED ON

DRG. No.	DRG. No.

THIRD ANGLE PRODUCTION	
	



NOTE: PIN NOS SHOWN ARE CONNECTOR  
PIN NOS.

ISS	DESC. OF CHANGE	DATE	CHK

TITLE	
3.5" / 5.25" DISC DRIVE ADAPTOR — MASTER COMPACT	
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