



# FD1771-01 Floppy Disk Formatter/Controller

## FEATURES

- SOFT SECTOR FORMAT COMPATIBILITY
- AUTOMATIC TRACK SEEK WITH VERIFICATION
- READ MODE  
Single/Multiple Sector Write with Automatic Sector Search or Entire Track Read  
Selectable 128 Byte or Variable Length Sector
- WRITE MODE  
Single/Multiple Sector Write with Automatic Sector Search  
Entire Track Write for Diskette Formatting
- PROGRAMMABLE CONTROLS  
Selectable Track-to-Track Stepping Time  
Selectable Head Settling and Head Engage Times  
Selectable Three Phase or Step and Direction and Head Positioning Motor Controls

## SYSTEM COMPATIBILITY

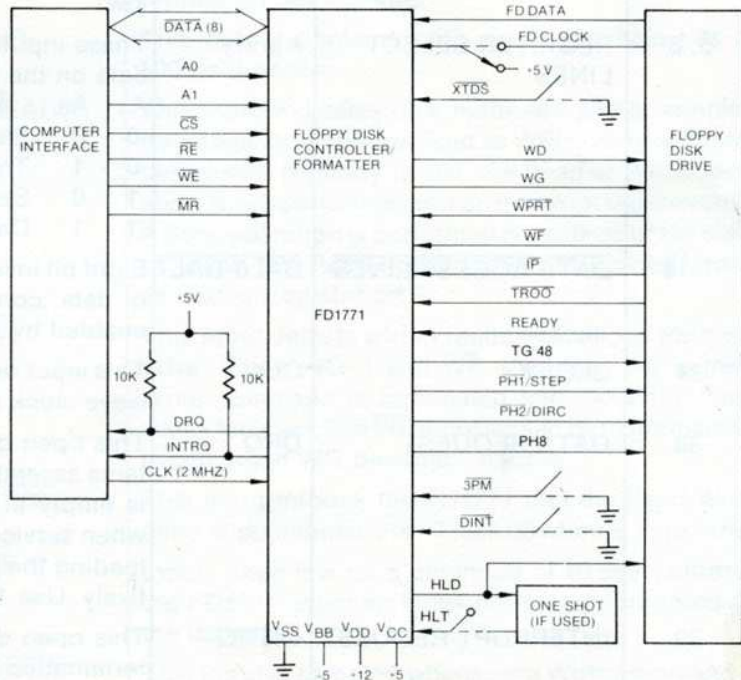
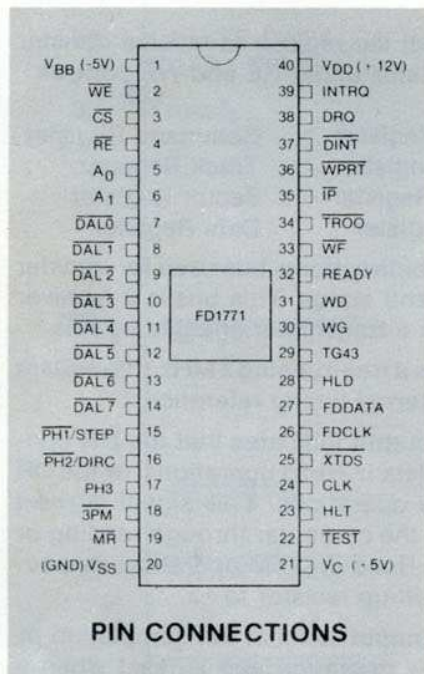
- Double Buffering of Data 8-Bit Bi-Directional Bus for Data, Control and Status
- DMA or Programmed Data Transfers
- All Inputs and Outputs are TTL Compatible

## APPLICATIONS

- FLOPPY DISK DRIVE INTERFACE
- SINGLE OR MULTIPLE DRIVE CONTROLLER/FORMATTER
- NEW MINI-FLOPPY CONTROLLER

## GENERAL DESCRIPTION

The FD1771 is a MOS/LSI device that performs the functions of a Floppy Disk Controller/Formatter. The device is designed to be included in the disk drive electronics, and contains a flexible interface



FD1771 SYSTEM BLOCK DIAGRAM