

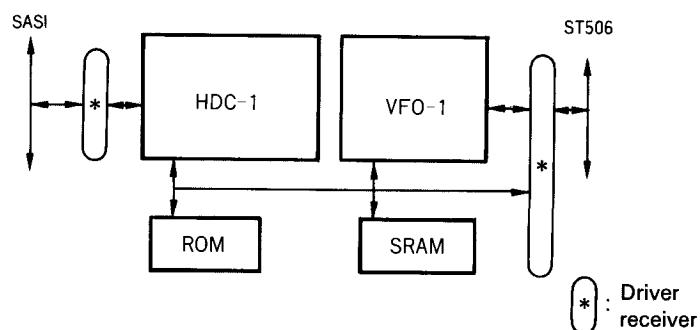
# HDC and VFO System Interfaces

## Circuit Block Diagram

### System 1: SASI/ST506

#### SASI/ST506

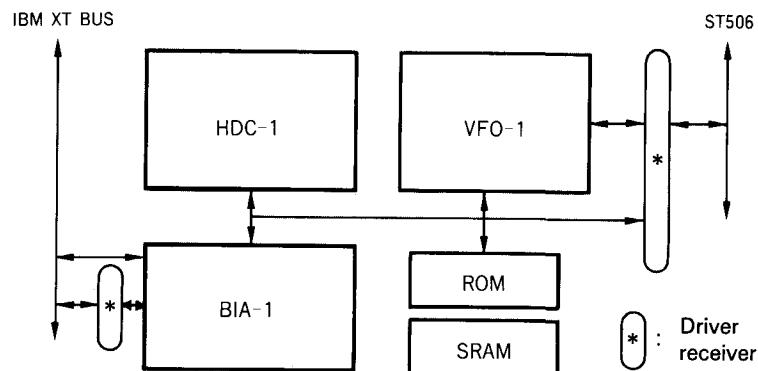
- MFM 5Mbps
- SASI 625KB/Sec
- HDC-2 for SCSI host bus



### System 2: IBM XT/ST506

#### IBM XT/ST506

- MFM 5Mbps, RLL27 7.5Mbps
- Host DMA 1.25MB/Sec



## HDC (Hard Disk Controller) LSI Product Chart

Name	Type No.	Package	Features
HDC-1	T7518	LFP144	Hard disk controller, SASI system interface ST506/ESDI disk interface, 5 (10) M bps disk I/O
HDC-2	TC8561F	LPF144	Hard disk controller, SASI/SCSI system interface ST506/ESDI disk interface, 10M bps disk I/O
VFO-1	TC8563AF-88 TC8563AF-89	MFP60	Hard disk VFO IC, NRZ/RLL2.7, ENCODER/DECODER, adjustment-free type VCO, MM, delay line, for ST506, 10M bps disk I/O
VFO-2	TC8564AF	MFP60	Hard disk VFO IC, MFM, NRZ/RLL2.7, ENCODER/DECODER adjustment-free type VCO, MM, delay line, for ESDI 10Mbps disk I/O
VFO-3	* TC85063F	MFP60	Hard disk VFO IC, NRZ/RLL1.7, ENCODER/DECODER, adjustment-free type VCO, MM, delay line, for ST506 20Mbps disk I/O
VFO-4	* TC85064F	MFP60	Hard disk VFO IC, NRZ/RLL2.7, ENCODER/DECODER, adjustment-free type VCO, MM, delay line, for ESDI 20Mbps disk I/O
BIA-1	TC8540F	FP100	Hard disk host adapter IBM-XT bus
BIA-2	TC85041F	FP100	Hard disk host adapter IBM-AT bus

\* : Underdevelopment