SWIM3 driver determines drive kind based on the following four sense lines (FindDriveKind):

	HEAD SEL	CA2	CA1	CA0	400K	800K	HD20	SUPERDRIVE	TYPHOON 2.88 MB	NODRIVE
REVISED	1	1	1	1	0	1	1	X	0	1
/DrvIn	0	1	1	1	0	0	1	0	0	1
/SingleSide	0	1	1	0	0	1	1	1	0	1
SuperDrive	0	1	0	1	0	0	0	1	1	1

Apple Drive status requests:

HEAD SEL	CA2	CA1	CA0	Status bit name (Apple source)	Description
0	0	0	0	rDirPrevAdr	Step direction: 0 – inwards (toward higher-numbered tracks) 1 – outward (toward lower-numbered tracks)
0	0	0	1	rStepOffAdr	Apparently reflects disk stepping status: 0 – head is stepping between tracks, 1 – stepping completed (idle) It looks like the SWIM3 ASIC monitors this bit during stepping. Apple Swim3 driver uses this bit for selecting head 0 during GCR formatiing (!!!) Maybe that's how it works in older drives
0	0	1	0	rMotorOffAdr	Spindle motor status: $0 - on$, $1 - off$
0	0	1	1	rEjectOnAdr	Eject latch status: 0 – latch is off (eject button hadn't been pushed), 1 – latch is on (eject button has been pushed) Eject latch will be reset by the wNoDiskInPlAdr control command
0	1	0	0	rRdData0Adr	Reading from this register selects head 0 (lower head)
0	1	0	1	rMFMDriveAdr	0 – not a superdrive 1 – superdrive or no drive
0	1	1	0	rDoubleSidedAdr	0 – single-sided drive 1 – double-sided drive
0	1	1	1	rNoDriveAdr vs /DrvIn	Drive exists register: $0 - drive$ exists, $1 - drive$ doesn't exist

1	0	0	0	rNoDiskInPlAdr	0 – disk in drive
					1 – drive is empty
1	0	0	1	rNoWrProtectAdr	0 – disk is write protected
					1 – disk is write-enabled
1	0	1	0	rNotTrack0Adr	0 – head is at track 0
					1 – head is at some other track
1	0	1	1	rNoTachPulseAdr	GCR: Tachometer. 60 pulses per disk revolution
				rIndexPulseAdr	MFM: 0 – no index pulse, 1 – index pulse
1	1	0	0	rRdData1Adr	Reading from this register selects head 1 (upper head)
1	1	0	1	rMFMModeOnAdr	Current drive mode: 0 – GCR, 1 – MFM
				rGCRModeOffAdr	
1	1	1	0	rNotReadyAdr	0 – drive is ready
					1 – drive is not ready
1	1	1	1	rNotRevisedAdr	0 – high density media (1 or 2 MB) in drive
				r1MegMediaAdr	1 – low density media in drive
				REVISED	REVISED bit seems to be always set in 800K and HD20 drives
					Apple Swim3 driver uses this bit for selecting head 1
					during GCR formatting (!!!)
					Maybe that's how it works in older drives

Apple Drive control commands:

HEAD SEL	CA1	CA0	Command name (Apple source)	Description
0	0	0	CA2 = 0: wDirNextAdr	Step direction: 0 – inwards (toward higher-numbered tracks)
			CA2 = 1: wDirPrevAdr	1 – outward (toward lower-numbered tracks)
0	0	1	CA2 = 0: wStepOnAdr	Placing wStepOnAdr on the phase lines and pulsing ph3 will cause
			CA2 = 1: wStepOffAdr	a step in current direction; wStepOffAdr seems to be unused
0	1	0	CA2 = 0: wMotorOnAdr	Turn spindle motor on
			CA2 = 1: wMotorOffAdr	or off.
0	1	1	CA2 = 0: wEjectOffAdr	Issuing the wEjectOnAdr command will eject the disk. This takes

			CA2 = 1: wEjectOnAdr	about 1.5 seconds to complete.
1	0	0	CA2 = 0: wDiskInPlAdr	wNoDiskInPlAdr will reset the eject latch. WdiskInPlAdr seems to
			CA2 = 1: wNoDiskInPlAdr	be unused/unimplemented.
1	0	1	CA2 = 0: wMFMModeOnAdr	Switch drive mode:
			CA2 = 0: wGCRModeOffAdr	$CA2 = 0 \rightarrow MFM$
			CA2 = 1: wMFMModeOffAdr	$CA2 = 1 \rightarrow GCR$
			CA2 = 1: wGCRModeOnAdr	
1	1	0	undefined	
1	1	1	undefined	