



Board number

MDK34V-0

Jumpers 0, 1, 2 and 3

The 0 to 3 jumpers determine the *Drive Select* signal the drive should react to.

Only one of the jumpers must be placed.

For PC-AT interfaces only 0 and 1 will function, for Shugart interfaces 0 to 3 will work.

When using the drive in a system with PC-AT interface, it should be noted that the *Motor Enable* input signal is only taken from pin number 16. There are two options to handle this issues. The first option is to use a ribbon cable with a twist and place the 1 jumper on all drives. In this case the drive that is connected behind the twist will be drive 0 and the drive that is connected before the twist will be drive 1. The second option is to use a untwisted ribbon cable and shorting the pin number 10 and pin number 16 together, the 0 or 1 jumper of the connected drives can then be placed.

When using the drive in a systems with Shugart interface 0, 1, 2 or 3 can be placed to make it drive 0, drive 1, drive 2 or drive 3 respectively.

The jumper 1 will be placed in the default setting.

Jumpers MM and DM

The MM and DM jumpers control under what conditions the drive motor should turn on.

When the DM jumper is placed the motor will only turn on when the *Drive Select* signal is active.

When the MM jumper is placed the motor will only turn on when the *Motor Enable* signal is active.

For PC-AT interfaces the MM jumper should be placed, this is also the default setting.

Jumpers NM and IM

The NM and IM jumpers determine how the *Density Select* (Pin number 2) input signal should be interpreted.

When the NM jumper is placed a high signal on the *Density Select* pin switches the drive into low density mode and a low signal switches the drive into high density mode.

When the IM jumper is placed the behavior is inverted, a high signal on the *Density Select* pin switches the drive into high density mode and a low signal switches the drive into low density mode.

For PC-AT interfaces the NM jumper should be placed, this is also the default setting.

Jumpers RY and DC

The RY and DC jumpers select what signal shall be output on pin number 34.

When DC is placed the *Disk Change* signal will be used.

When RY is placed the *Ready* signal will be used.

For PC-AT interfaces the DC jumper should be placed, this is also the default setting.

Jumper SS2

The SS2 jumper determines the density mode of the drive.

When the 1M jumper is not placed the drive will always be in high density mode.

When the 1M jumper is placed the density mode will depend on the *Density Select* signal.

For PC-AT interfaces the SS2 jumper can be placed. This jumper is not placed in the default setting.