



Board number

TSD 2 V-0

Jumpers DS0, DS1, DS2 and DS3

The DS0 to DS3 jumpers determine the *Drive Select* signal the drive should react to.

Only one of the jumpers must be placed.

For PC-AT interfaces only DS0 and DS1 will function, for Shugart interfaces DS0 to DS3 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 DS1 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 DS0 or DS1 jumper of the connected drives can then be placed.

When using the drive in a systems with Shugart interface DS0, DS1, DS2 or DS3 can be placed to make it drive 0, drive 1, drive 2 or drive 3 respectively.

The jumper DS1 will be placed in the default setting.

Jumpers LS and 2S

The LS and 2S jumpers control the drives rotational speed.

When neither jumper is placed the rotational speed will always be 360 RPM.

When the LS jumper is placed the rotational speed will always be 300 RPM.

When the 2S jumper is placed the rotational speed will be 360 RPM when the drive is in high density mode (*Density Select* signal is inactive) and 300 RPM when the drive is in low density mode (*Density Select* signal is active).

For PC-AT interfaces the 2S jumper can be placed. No jumper is placed in the default setting. The LS and 2S headers might not be soldered.

Jumpers MS and MM

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

When the MS 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. When the MS and MM headers are not soldered, the default setting is implemented via a 0 Ohm resistor on the backside of the PCB.

Jumpers RDY and DCH

The RDY and DCH solder jumpers select what signal shall be output on pin number 34. To change the setting a 0 Ohm resistor has to be unsoldered and resoldered.

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

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

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