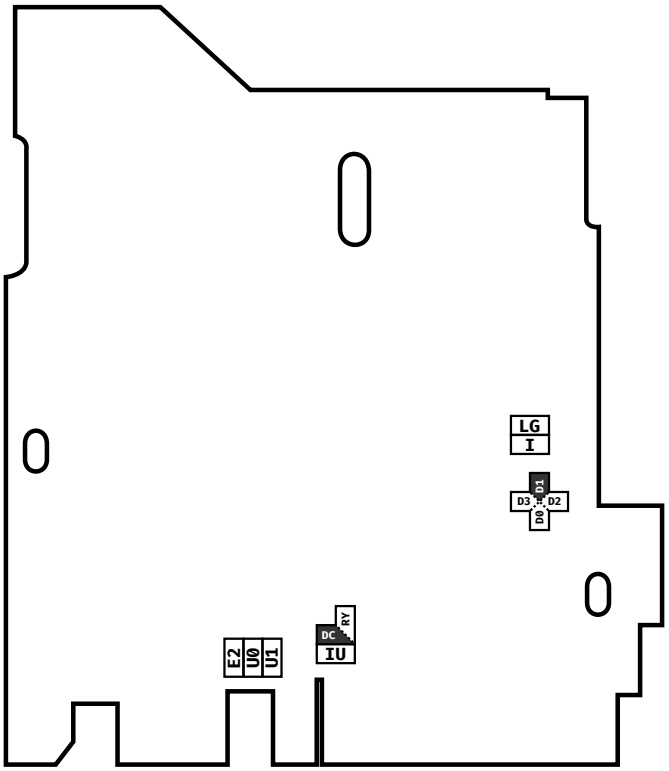

Board number

13332267-00D / TCMK-77X

Jumpers D0, D1, D2 and D3

The D0 to D3 jumpers determine the *Drive Select* signal the drive should react to.

Only one of the jumpers must be placed.

For PC-AT interfaces only D0 and D1 will function, for Shugart interfaces D0 to D3 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 D1 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 D0 or D1 jumper of the connected drives can then be placed.

When using the drive in a systems with Shugart interface D0, D1, D2 or D3 can be placed to make it drive 0, drive 1, drive 2 or drive 3 respectively.

The jumper D1 will be placed in the default setting.

Jumpers DC and RY

The DC and RY 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 E2

The E2 jumper determines the behavior of the *Index* (pin number 8) and *Read Data* (pin number 30) output signals.

When the jumper is not placed the following conditions will determine the *Index* and *Read Data* signals.

Index: Index hole detected, drive selected, ready state, seek completed

Read Data: Read data detected, drives selected, ready state, not writing, seek completed

When the jumper is placed the following conditions will determine the *Index* and *Read Data* signals.

Index: Index hole detected, drive selected, ready state

Read Data: Read data detected, drives selected, ready state, not writing

Setting this jumper will generate *Index* and *Read Data* signals even when seeking is not completed. This might be required for systems that require 'masking the Index'. (e.g. Older systems that do not give the drive enough time to reach a ready state)

In the default setting this jumper is not placed.

Jumper I

The I jumper controls whether or not the drives rotational speed should depend on the density mode.

When the I jumper is not placed the rotational speed will always be 360 RPM.

When the I jumper is placed the rotational speed will be 360 RPM when the drive is in high density mode and 300 RPM when the drive is in low density mode.

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

Jumper IU

The IU jumper controls whether or or not the input on pin number 4 should be interpreted as *In Use* signal.

When the IU jumper is not placed the signal will not be interpreted as *In Use* signal.

When the IU jumper is placed the signal will be interpreted as *In Use* signal.

If it is interpreted as *In Use* signal, an active *In Use* signal will turn the activity LED in the front panel on, no matter how U0, U1 and U2 might be placed.

This jumper should only be placed when the floppy controller generates a valid *In Use* signal. It is not placed in the default setting.

Jumper LG

The LG jumper determines how the *Density Select* (Pin number 2) input signal should be interpreted.

When the LG jumper is not placed 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.

When the LG jumper is placed the behavior is inverted, 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.

For PC-AT interfaces this jumper should not be placed, this is also the default setting.

Jumpers U0 and U1

The U0 and U1 jumpers determine the behavior of the drives activity LED in the front panel.

When neither jumper is placed the activity LED will light up with the *Drive Select* signal.

When only U0 is placed no signal but the *In Use* signal (only when enabled) will light up the activity LED.

When U0 and U1 are placed the activity LED will light up when the *Drive Select* signal is active and the drive is ready.

In the default setting no jumpers are placed.