PATAFlash2 Quickstart Guide

Version 1.0

Notices

Definition

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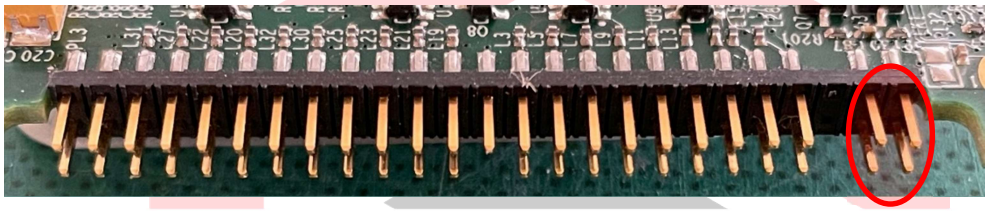
1 Drive Configuration Jumper

The PATAFlash2 (PF2) has a 50-position connector, shown on the image below. This connector consists of two groups of pins separated by a blank position.

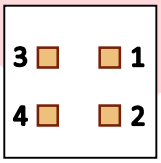
One group consists of a 44-position section that is used to provide the normal IDE power and signalling to the device. The 44-position section is keyed by the removal of one of the pins. There are 4 pins dedicated to power, with the remainder assigned to the IDE/PATA control and data interface.

The second group is a 4-position section that, by means of a jumper, is used to configure the drive as IDE Drive 0 (Master) or IDE Drive 1 (Slave) directly or to allow this to be defined via the cable select (CSEL) method (which requires an IDE cable with specific lines swapped at some point along its length. This will normally take the form of a short section of the ribbon cable being separated from the other strands and twisted.) This section is highlighted in the image below.



2.5" IDE CONNECTOR (PL3)

The 4 pins are numbered as follows:

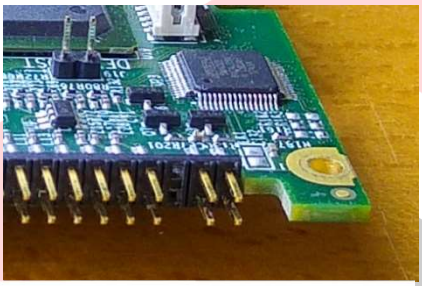


By fitting a jumper across pins 1 and 2 of PL3 the unit will be configured as IDE Device 0 (Master), regardless of the position on the IDE cable that it is connected to. If no jumper is fitted, it will be configured as IDE Device 1 (Slave).

Note: The jumper can be fitted across pins 1 and 3 or 4 and 3 for safe keeping.

Fitting a jumper across pins 2 and 4, the PF2 will operate as Device 0 or Device 1, depending on the state of the Cable Select pin (pin 34 of PL3), which will be tied to 0V in one position of a standard IDE cable, thus selecting Device 0, and unconnected in the other position, thus selecting Device 1.

Unless specifically requested otherwise, PF2 units will ship configured as Device 0 (Master), with a Jumper placed across Pins 1 and 2 as shown in Row 1 of the table below.

Setting	Jumper Positions
Device 0 Master	 PINS 1-2 JUMPERED
Device 1 Slave	 NO JUMPER FITTED  PINS 1-3 JUMPERED  PINS 3-4 JUMPERED
Cable Select	 PINS 2-4 JUMPERED