PC Transporter – Components
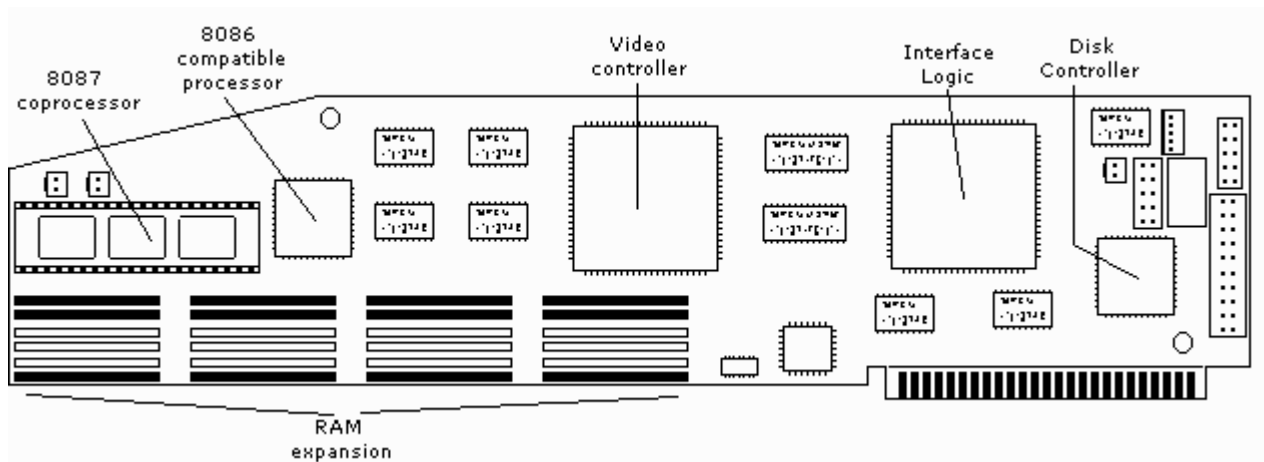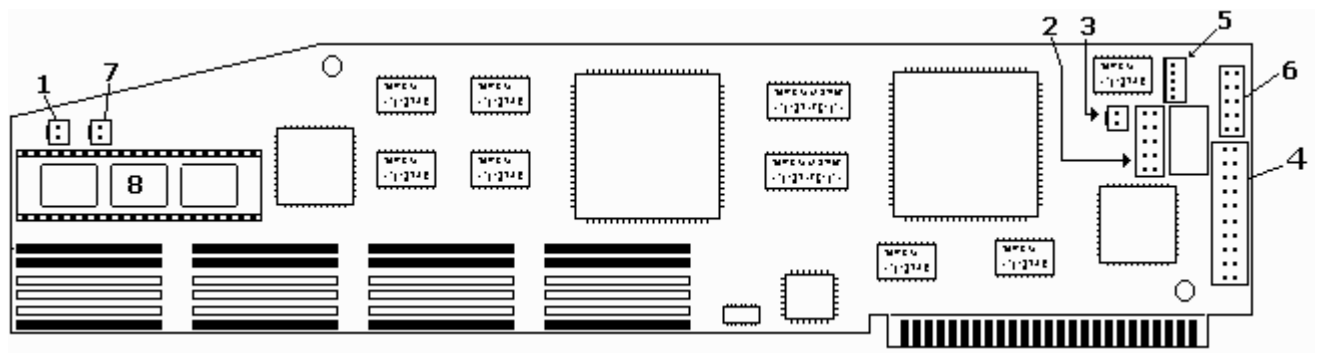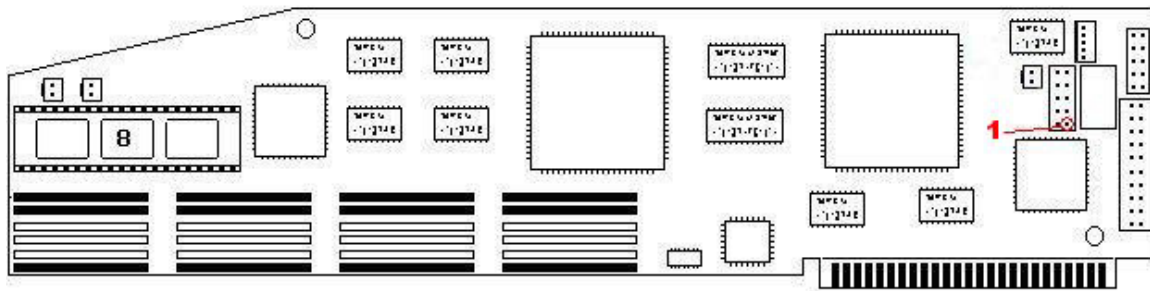

PC Transporter – Pinouts

1) From Apple II Speaker connection on motherboard
2) IIe keyboard adapter
3) Composite video (To IIe monitor or VCR/TV *VIDEO* input)
4) PC Transporter Disk drive
5) PC Compatible keyboard
6) Color Switch
7) To Apple II Speaker
8) Coprocessor socket

2) IIe keyboard adapter – pinout


```
 _____
|                   |
|  2  4  6  8  10   |
|                   |
|  1  3  5  7  9    |
|_____|
```

PCT	Function	Keyboard	Mainboard	Other Connection
1	NC			
2	NC			
3	PB1 / CAPL		5*	Game I/O Pin 3
4		5		
5	PB0 / OAPL		7*	Game I/O Pin 2
6		7		
7	CAPSLOCK	9		Keyboard ROM Pin 22
8	CTRL		11	3600PRO Pin 28
9		11		
10	SHIFT	24		3600PRO Pin 29

* connected via 560 Ohm resistor to ground

4) PC Transporter Disk drive – pinout

```
gospodin@clubi.ie (Vincent Quinn) writes:
>As there have been a few postings about PC Transporter recently, I thought
>I'd make my contribution.
>_Firstly_, I want to hook up a standard PC 360K, 5.25 floppy drive as
drive B
>(I have an Apple 3.5 as drive A). Problem is, I don't have a complete
pinout.


Mini/Micro Floppy Interface

Pin#    Description             Alternate Functions
----    -----------             -------------------
1       GND                     Eject, Disk Change Reset
3-33    Odd pins are GND
2       High Density
4       Head Load               In Use, Eject
6       Drive Select 3
8       Index Pulse +
10      Drive Select 0          Motor On A      \  IBM twisted
12      Drive Select 1          Drive Select B  \ cable - both
14      Drive Select 2          Drive Select A  / drives are
16      Motor On                Motor On B      /  strapped DS1
18      Direction
20      Step
22      Write Data
24      Write Enable
26      Track Zero +
28      Write Protect +
30      Read Data +
32      Select Head
34      Disk Changed +          Ready +

+ signal from drive to controller

>I'm assuming that the pinout of the PCT 19-pin drive connector is the same
>as
>that of the IIGS SmartPort (that's logical, since Apple 3.5 drives work
>perfectly with the PCT) and that the 5.25 drive comes first in the chain
>(as
>indicated by the PCT manual). So a 19-pin pass-through connector needs to
>be
>added at the rear of the PC drive for chaining the Apple 3.5" drive to.
OK.

Hang on, there is no way you are going to be able to connect a PC 360KB
drive
to an Apple 19 pin disk port (well, I do have a drive that is a standard
PC style drive with an adapter board that makes it emulate a Disk ][ drive)
and read PC 360KB disks.

Apple 5.25" drives use the 4 step lines to manually step the head in or
out.
IBM 5.25" drives hold the Direction line high or low and send a single
pulse
on the Step line to move the head in or out. Ditto for IBM 3.5" drives.
Apple 3.5" drives use the 4 step lines to select a comand and another line
to strobe it into the drive (or something like that).
--
```
David Wilson School of IT & CS, Uni of Wollongong, Australia david@uow.edu.au

5a) PC Compatible keyboard – pinout

> So then, I'm guessing that the 5-pin plug at J5 is where I'd hook up the
> IBM keyboard adaptor if I had one?

As Supertimer says, you don't really need this, especially if you have
an extended keyboard on the IIgs.

Anyway, in case you want to try it, I have in my hand the IBM keyboard
adaptor.

Going on the same numbering scheme as the IIc serial ports, the DIN 5 is
numbered as follows, looking into the surface of the plug:

```
    T


5       1
  4    2
     3
```

The tag (shield) is not connected.

The other end of the cable is a 5-pin molex connector, with a ribbon
cable between the two. Looking into the face of the molex connector
(the side that goes onto the pins on the card), the pins are closer to
one edge than the other. Holding the plug so that narrow edge is along
the top (so the locking clips for the molex pins are on the bottom), the
pins are numbered 1 to 5 from left to right.

(Let me know if you want a diagram of this in case it isn't clear enough
from my description.)

The cable doesn't go straight through. The wiring is rearranged at the
DIN-5 end. The end result is:

```
Molex          DIN-5
  1 ---------  1
  2 ---------  3
  3 ---------  5
  4 ---------  2
  5 ---------  4
```

> Hmm. Wish I had schematics for wiring a cable for either the RGB from J6
> or the keyboard from J5...I mean, I can do the two wires for the
composite
> signal, but...the rest...

I don't have the CGA cable, but the picture of it in the manual looks
like a straight-through 10-way ribbon cable to a DE-9 female connector.
I can't tell you which wire doesn't go through (either 1 or 10).

--
David Empson
dempson@actrix.gen.nz
Snail mail: P.O. Box 27-103, Wellington, New Zealand

5b) PC Compatible keyboard – pinout

PC Transporter	DIN-5	PS/2	Function	
top	1	1	5	Clock	grau
	2	2	1	Data	lila
↕	3	3	2	---	blau
	4	4	3	Ground	grün
down	5	5	4	Vcc (+5V)	gelb

Male   **Female**   **5-pin DIN (AT/XT)**
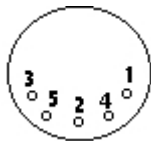
1 - Clock

2 - Data

3 - Not Implemented

4 - Ground

5 - Vcc (+5V)

(Plug)   (Socket)

Male   **Female**   **6-pin Mini-DIN (PS/2)**
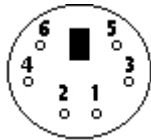
1 - Data

2 - Not Implemented

3 - Ground

4 - Vcc (+5V)

5 - Clock

(Plug)   (Socket)

6 - Not Implemented