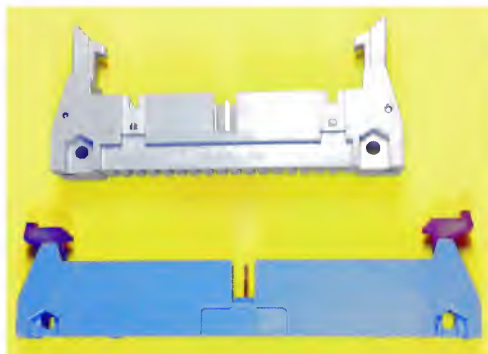
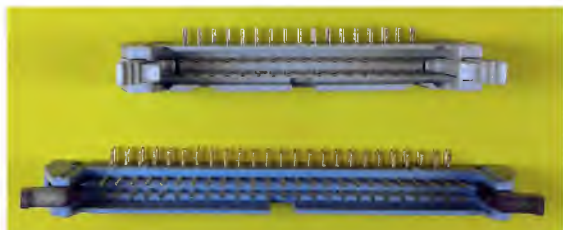


# Make a small 09FLP Rev 0.3 and Rev 0.9

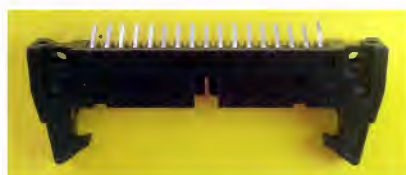
**First read the file '09FLP add 3" jumper.pdf'!**

If you not have the Rev: 1.0 print, no worry you can make it smaller.  
To do this use right angle 34pin and 50pin connectors like this from 1980:



DC2 type: 34 pin - B.I.C.C.-Vero Q034. 50 pin - T&B/Ansley 501-497.

Or new models, they have a different size.



DC2 type: Nextron 34 pin. Nextron 50 pin make a notch, cut with thin sharp knife.  
Test with a female connector if the size is correct.  
You can glue the small part inside the old top notch.

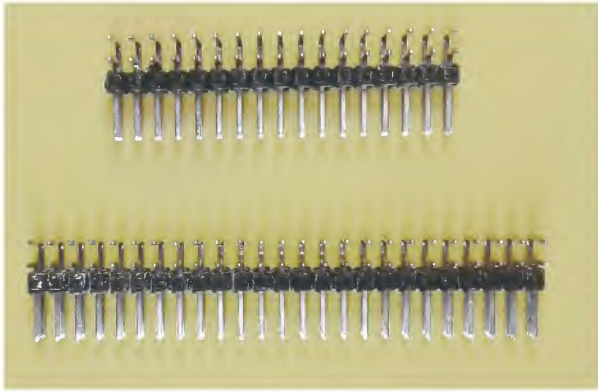


On one side make room for the print screw!

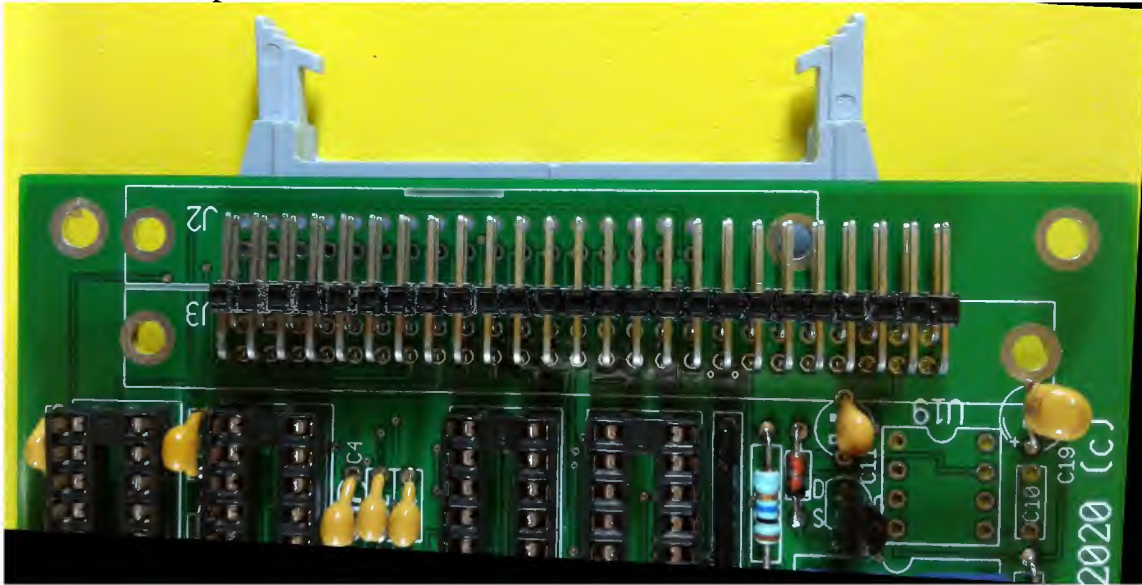


To fix the print use M3 screws 6mm, head 5.5mm.  
The print2print distance is 10.8mm. Use 10mm stud with 0.8mm fiber ring.

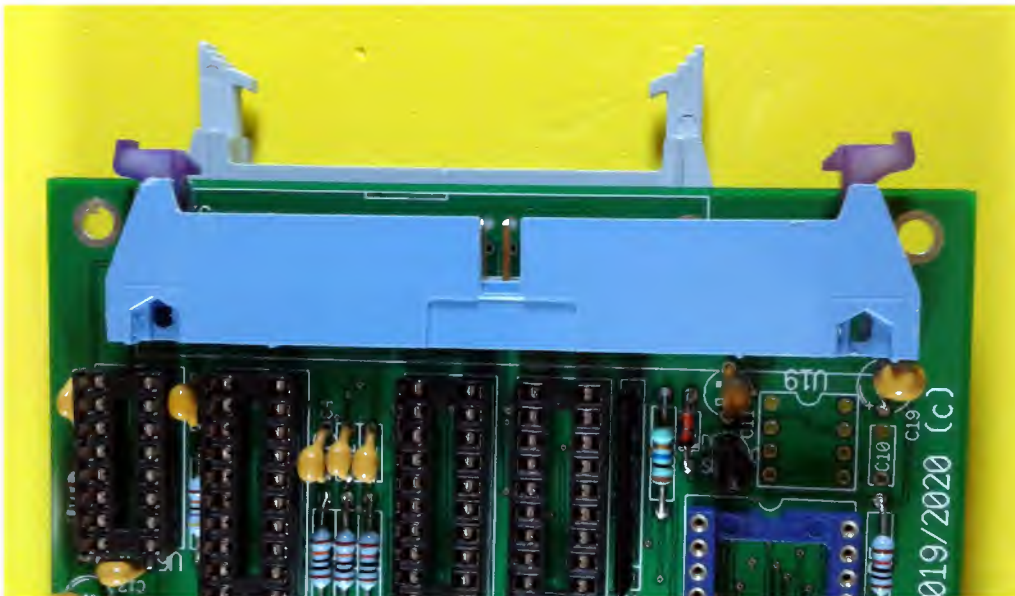
You can also use DC3 type connectors or just 'Pin Header Strips':



Also a mix is possible:

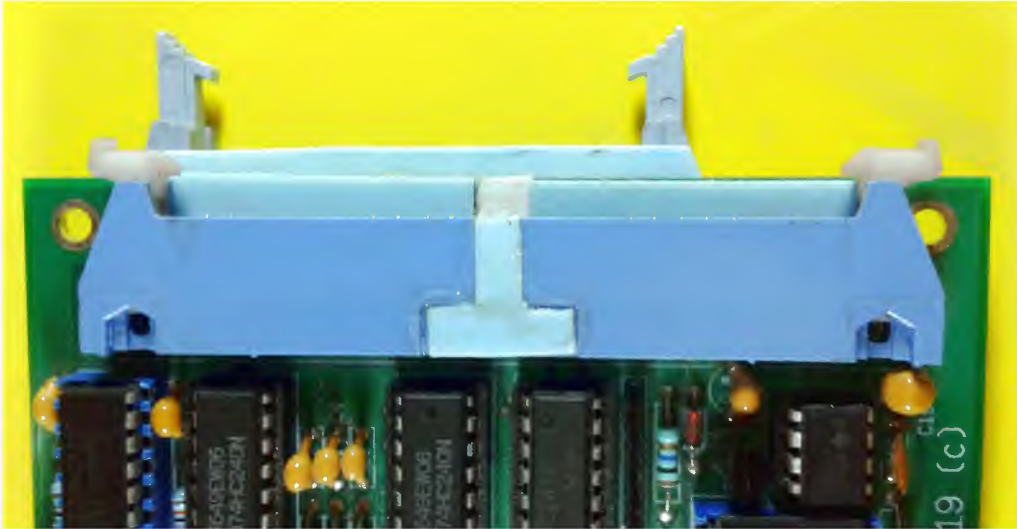


Here one with two old DC2 connectors:

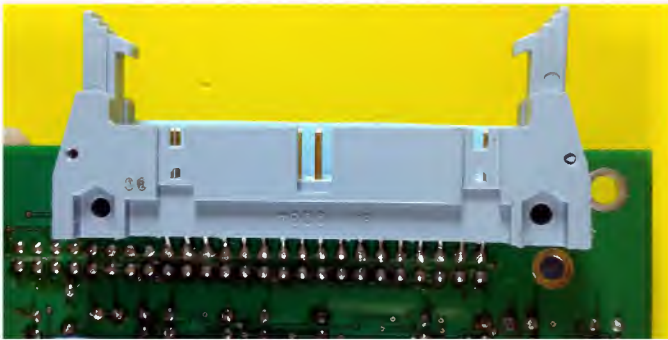


Note that the notch on the 50 pin connector is on the wrong side!





The light blue plastic is to correct the notch and to keep the connectors away from the print.



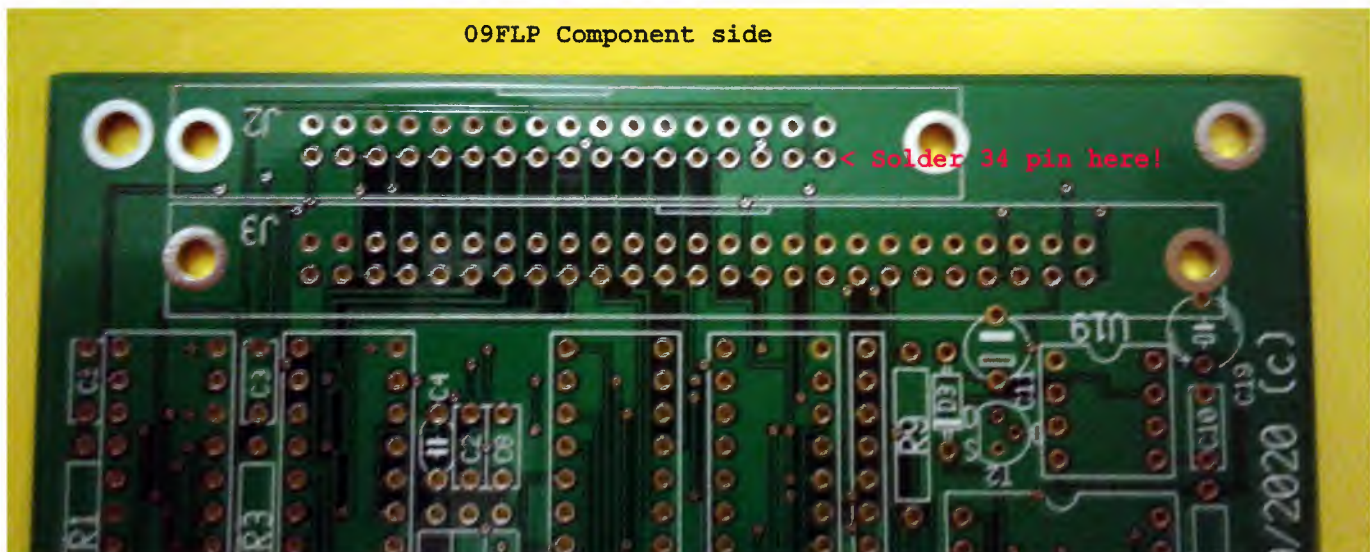
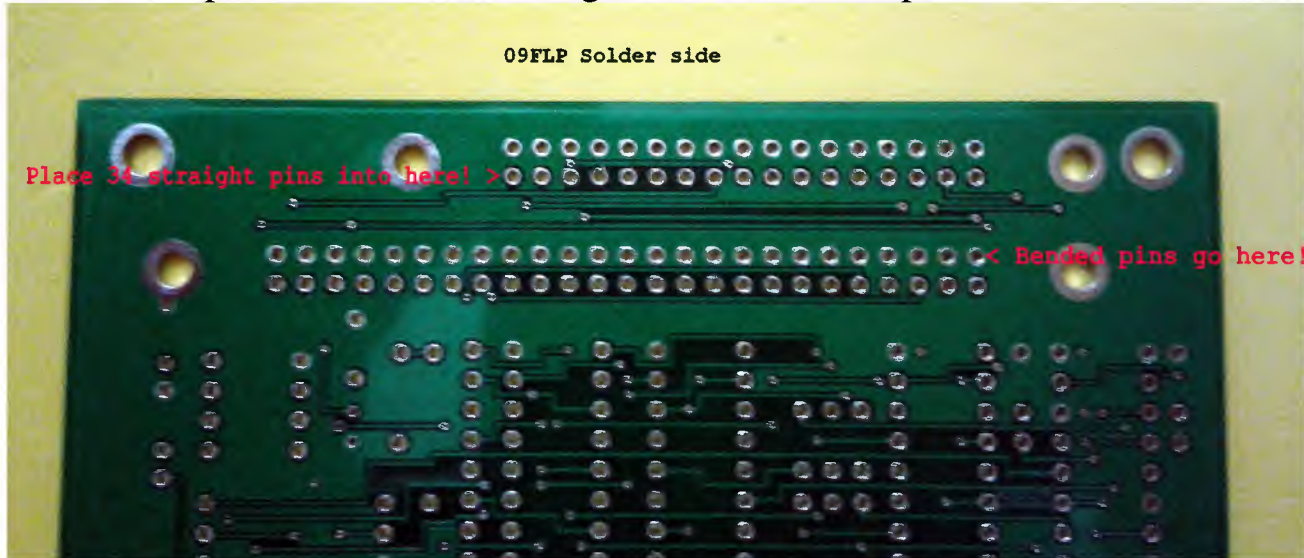
The 34 pin connector has its ground pins bend to solder them to the 50 pin connector ground pins. The Nextron 34 pin connector has long 10mm pins so you have to cut the bended pins to 7mm, also cut the pins on the component side before soldering.



Fits nice between the print cards.

## How to start.

First bend the ground pins from the 34 pin connector, easy to do for a DC2 type. For a 'Pin Header Strip' this must be done very careful otherwise it will break. Then first solder the connector 34 straight pins from the print component side, the bended pins we solder later together with the 50 pin connector.



Then place the 50 pin connector and solder first the data pins on solder side and then the ground pins from the 50 pin and the bended pins from the 34 pin connector.

Make sure that the connector pins not come out on component side of the print, best way is to put a piece of plastic 0.8mm between the connectors and the print. From the Nextron 34 pin you have to cut the pins, use 0.4mm pieces of plastic.

Note:

For Rev 0.3 you need some patches see: 'Patches\_V0.3'.