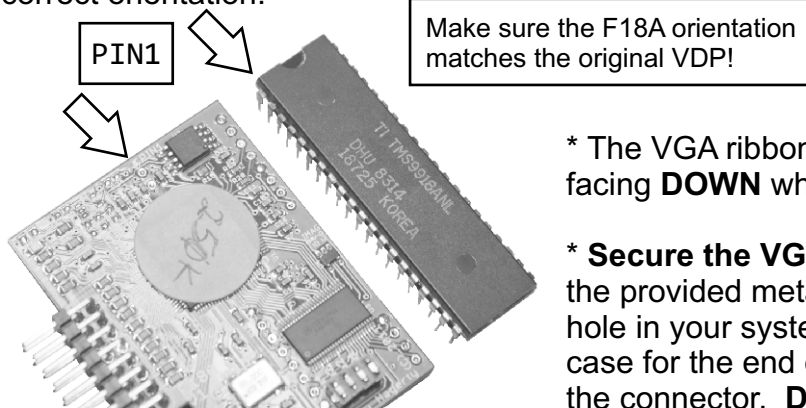


Thank you for your support! To bring the board you now hold in your hands into existence has taken me over two years and a lot of work. I hope you enjoy your F18A and I would love to hear any feedback you have. Thanks again! Matthew

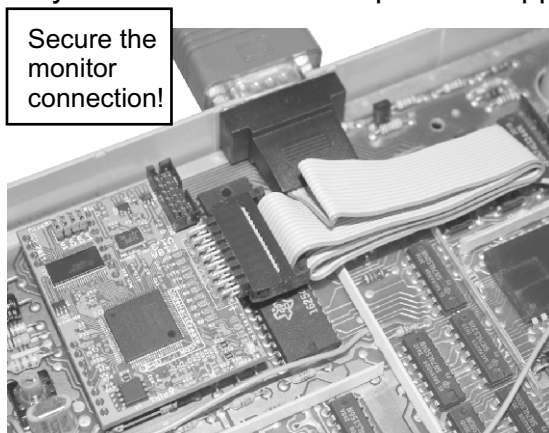
INSTALL NOTES

* Note where PIN 1 is on the F18A as well as the orientation of the original VDP (9918A, 9928, 9929) you are replacing. **There is no physical way to prevent the F18A from being plugged in backwards**, so please make sure you have the correct orientation.



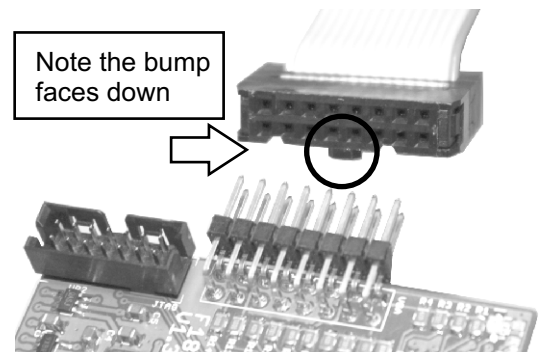
connector or ribbon cable hanging outside of the case! It is very easy to rip the F18A out of the socket via the VGA cable, and proper strain relief is highly recommended. Be gentle with your F18A, the pins are easily bent or broken.

* Once installed, **CLOSE UP YOUR SYSTEM** before you power on! Some systems have metal shields that move around without their screws and can damage your system if they are not secure when power is applied.



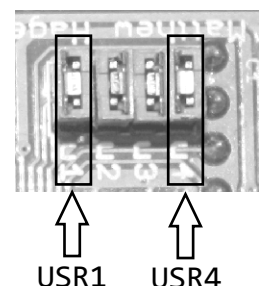
* The VGA ribbon cable has a bump on one side which will be facing **DOWN** when correctly connected to the F18A.

* **Secure the VGA connector to your computer case!** Use the provided metal insert as a guide to cut an appropriate hole in your system case for the end of the connector. **Do not leave the**



* There are four "User Jumpers" on the F18A, but only two are currently used:

USR1: Selects the power-on default maximum number of sprites on a line. With the jumper ON, 32 sprites can be displayed on a single line. With the jumper OFF only 4 sprites maximum can be displayed on a single line.



USR2 and USR3 are not currently used.

USR4: Selects if the F18A outputs the CPUCLK signal on pin 38. With the jumper ON, the CPUCLK will NOT BE output. Only systems that originally used the 9918A will possibly need this signal. Currently it is known that the Tomy Tutor and Spectravideo 328 **DO** require the CPUCLK and will need the USR4 jumper removed. Any systems that used the 9928 or 9929 will not need to remove the USR4 jumper. The TI-99/4A does not use the CPUCLK and the USR4 jumper can remain on.