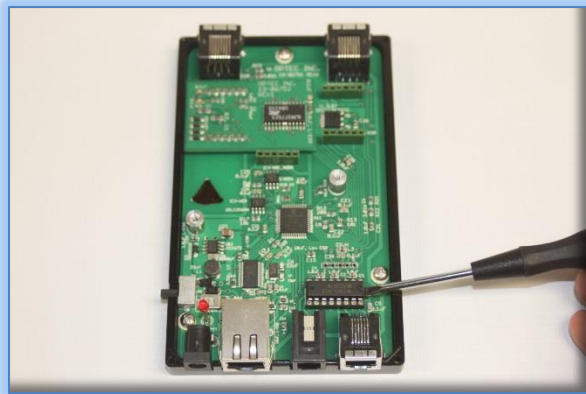


Serial Chip Replacement

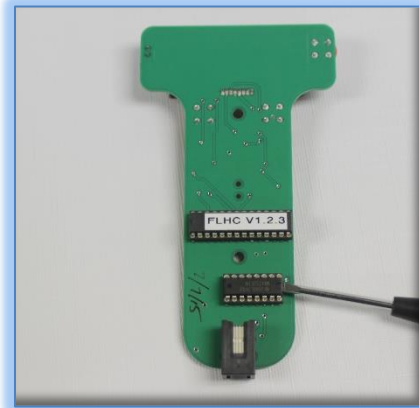
Instructions for replacing the RS232 serial interface chip.

Follow these steps to replace the RS232 serial interface chip. Be sure to use static safety principles before starting your work by grounding yourself and work surface. If you are not comfortable making the swap, contact Optec technical support. We will perform the installation at no charge.

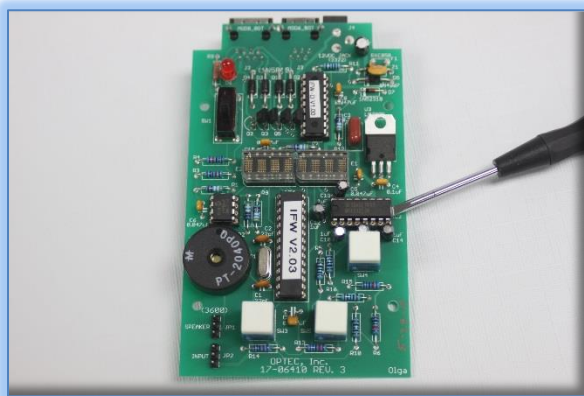
Note: Use the following photos to locate the RS232 chip for your device.



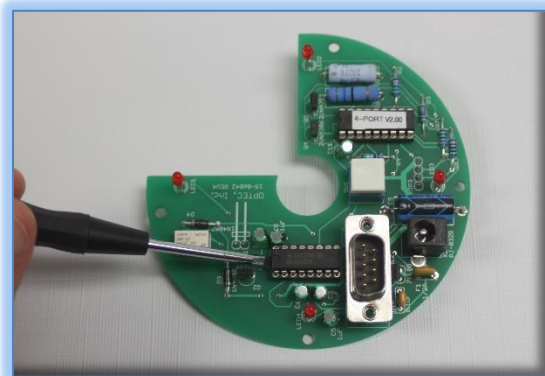
FocusLynx Control Hub and Gemini Focusing Rotator



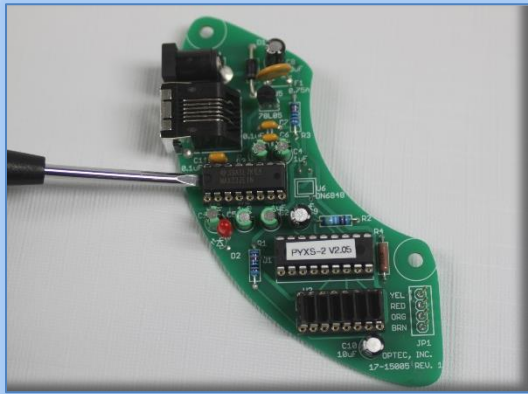
FocusLynx Hand Control



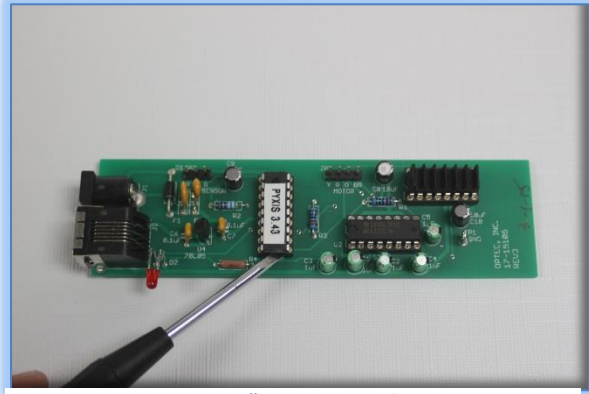
Intelligent Filter Wheel



Perseus 4-Port Instrument Selector



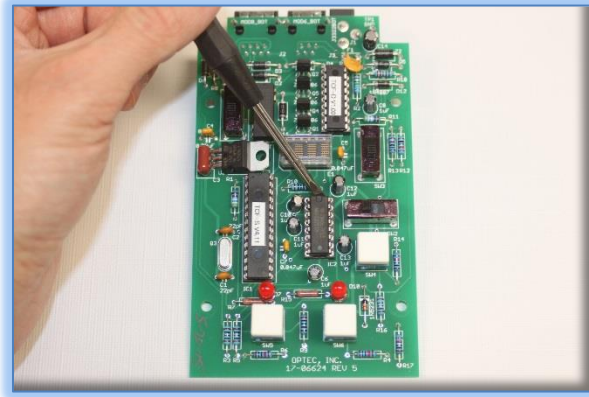
Pyxis 2" Rotator



Pyxis 3" Rotator Family



SSP Photometer Family



TCF-S Focuser Family

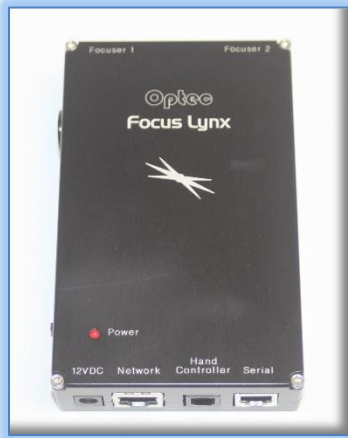


TCF-Si Focuser Family

Step 1

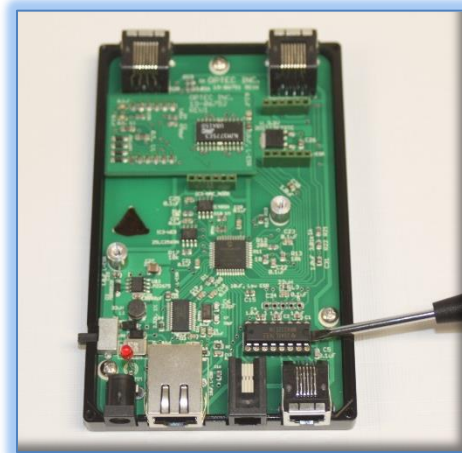
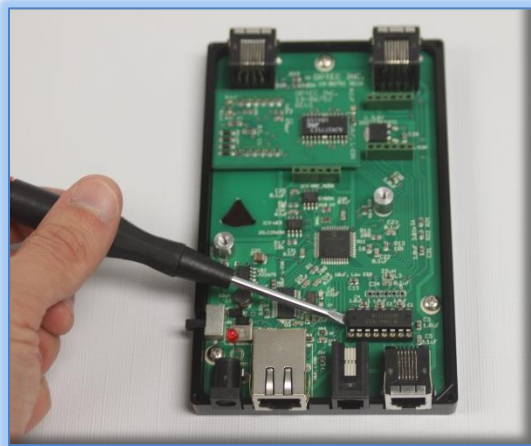
Note: The following photos feature the FocusLynx control board. Use the locating photos on the previous pages for guidance if you have a different device. The basic procedure is the same for all device types.

Make sure the unit is turned OFF and all cabling is disconnected. Remove the cover and keep the screws in a safe place as to not lose any.



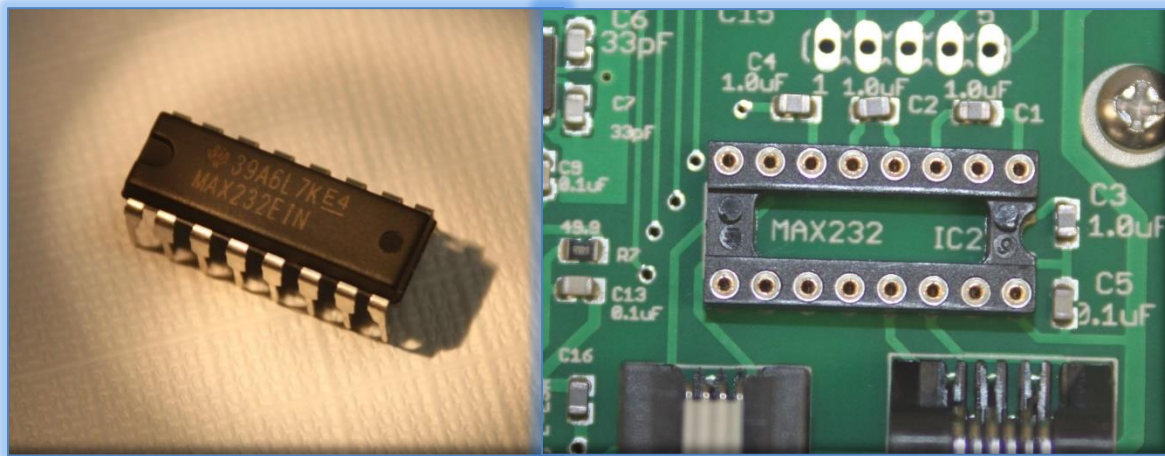
Step 2

The chip to be replaced is the 16-pin DIP (dual in-line package) labeled MAX232. Using a flat head screwdriver carefully pry one end of the PIC, then the other to remove it from the socket. Use caution when removing the chip, being careful not to damage the socket.



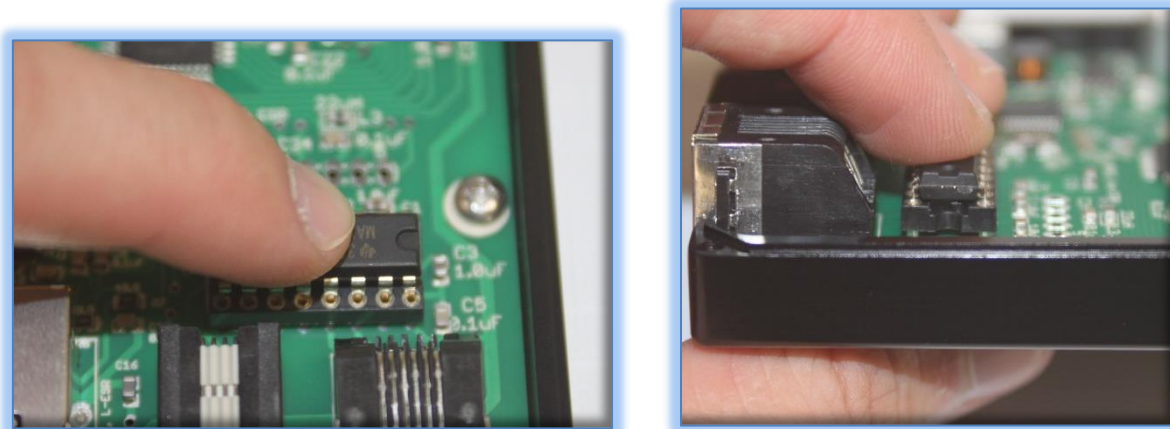
Step 3

Take the replacement chip and notice the curved notch in the picture below. This notch designated is Pin 1 on the DIP package. Also note the curved cut out section on the socket, this notch identifies pin 1 on the socket.



Step 4

Align both curved cut out sections, both with the chip and the socket. Making sure the pins are aligned with the socket holes (this may require the pins being bent inward slightly), push the chip into place until the pins are properly seated.



Step 5

Re-install the cover of the unit being certain the LED lines up properly with the hole in the cover. You may then connect the cabling, power it up, and connect to the control program.



Contact [Optec Support](#) with any problems or questions regarding replacing your RS232 serial chip.