PC2Flop and Flop2PC (for SWTPC DC-x Controllers in SWTPC 6800)

These programs transfer an image of a SWTPC 5.25" FLEX 2.0 (or newer) disk through an MP-S serial port in any of the SWTPC 6800 I/O ports to archive (Flop2PC) or create (PC2Flop) disks. The XMODEM protocol is used for the serial transfer (choose checksum, not CRC). Single-sided 35 and 40 track, as well as double-sided 40 track disk formats are supported. Double sided disks require the DC-3 or DC-4 controller (or a Peripheral Technologies FD-2 controller).

The SWTBUG (or MIKBUG) PROM must be present in the computer. If using the console port for the XMODEM transfer, error messages and prompts won't be seen once the XMODEM transfer is started. This can make it difficult to notice and determine disk I/O problems. A second serial port for the XMODEM transfer is the ideal configuration, though not required.

Disk images compatible with the SWTPC 6800 are present in the "FLEX 2.0 and 3.0 Disk Images" folder. Start with one of the "FLEX2-xx.DSK" or "FLEX3-xx.DSK" disk images as your primary boot disk.

The programs can be run from SWTBUG or MIKBUG by loading the appropriate S-record file using the "L" command followed by the "G" command to execute. The programs load and run at $0100. The programs are also on the boot disk images recommended in the preceding paragraph.

At 9600 baud it takes just over two minutes to create a SSSD disk. I like to put the 9600 baud clock on the 600 baud motherboard line since I never use 600 baud and the "600" reminds me of 9600. See "MP-A 9600 Baud Mod.jpg" in this same folder.