SSM IO4 Configuration for use with OP-80A Tape Reader
(Altair Cassette emulation with port at 6/7 and data ready on bit 0)

Set parallel port address (S4) to 06 (A2, A1 off/open, all others on/closed)
Jumper J4p2 to J6p9 (puts data available flag on bit 0 of port A)
Jumper J6p1 to J6p14 (status port does not use handshake)
Connect the OP-80A to J4 (Parallel-In B) as shown below (or use adapter PCB)
Be sure serial port address (S3) does not conflict with parallel port address.

The above configuration results in the following software interface:
  Status Port at 06
  Data-In Port at 07
  Data Available status bit on bit 0 (inverted logic like the 88-ACR)

OP-80A to SSM-IO4 Pin Mapping
(Contact me for an adapter PCB)

SSM IO4	IC-14 (J4)	OP-80A	IC-16	
Strobe	1	/RDA	6	
/ACK	2	/ACK	5	Jumper OP-80A for not-ACK (/ACK)
D7	3	D7	13	
D5	4	D5	14	
D3	5	D3	15	
D1	6	D1	16	
Gnd	7	Gnd	8	
Gnd	8			
D0	9	D0	1	
D2	10	D2	2	
D4	11	D4	3	
D6	12	D6	4	
-12v	13			
+5v	14	+5v	9	

Altair BASIC can be loaded using the same method and settings as would be used for the Altair cassette interface

In 8K and Extended BASIC, programs can be loaded from the OP-80A using the CLOAD command

To load programs from the OP-80A into 4K BASIC (3.2 or 4.0), use the 4K BASIC loader PROM found at the web address show below. Set the SIO67 equate to 1 in BLOAD.ASM

  http://deramp.com/downloads/altair/software/papertape_cassette/4K BASIC Program Load & Save/