

NOTE BY JWF: This is the device to multiplex the 12 template sensors into the ADIOS. (See Memo #84).

NATIONAL RADIO ASTRONOMY OBSERVATORY
Green Bank, West Virginia

MEMORANDUM

January 19, 1982

To: J. Findlay
From: D. Schiebel
Subj: 16-Channel Multiplexer for Use with Apple/ADIOS

This multiplexer has been designed to work with the ADIOS (reference EDIR 212). The multiplexer is controlled by bits D00-D03.

A hexadecimal display is provided to indicate the selected channel. The control bits from the ADIOS can be inverted by changing the position of a DIP switch in location 16.

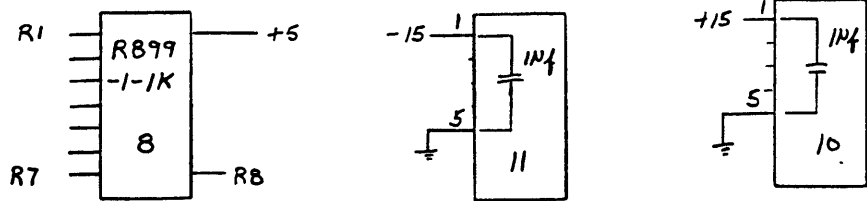
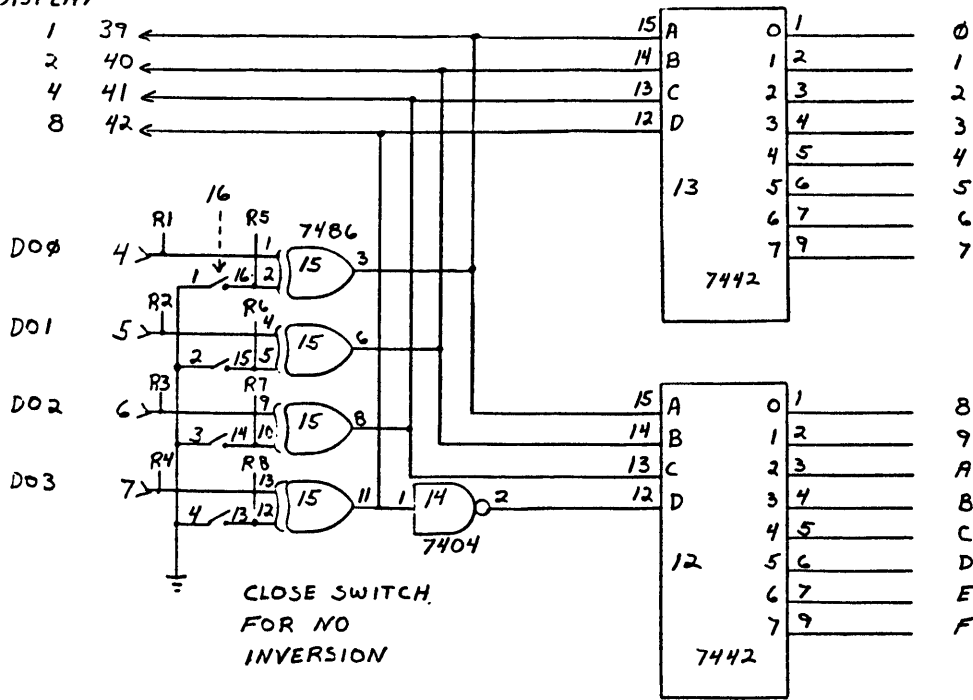
I used the same analog switch as was used for the 9825 multiplexer, so the input should be limited to ± 10 V DC.

The multiplexer is connected to the female connector on the ADIOS for control and the analog output is connected to A_{IN}. The sixteen channel input is through a 90 pin Elco connector. All input channels are balanced line.

DS/cjd

Enclosure
16 Channel Multiplexer
for Apple/ADIOS (3 pages)

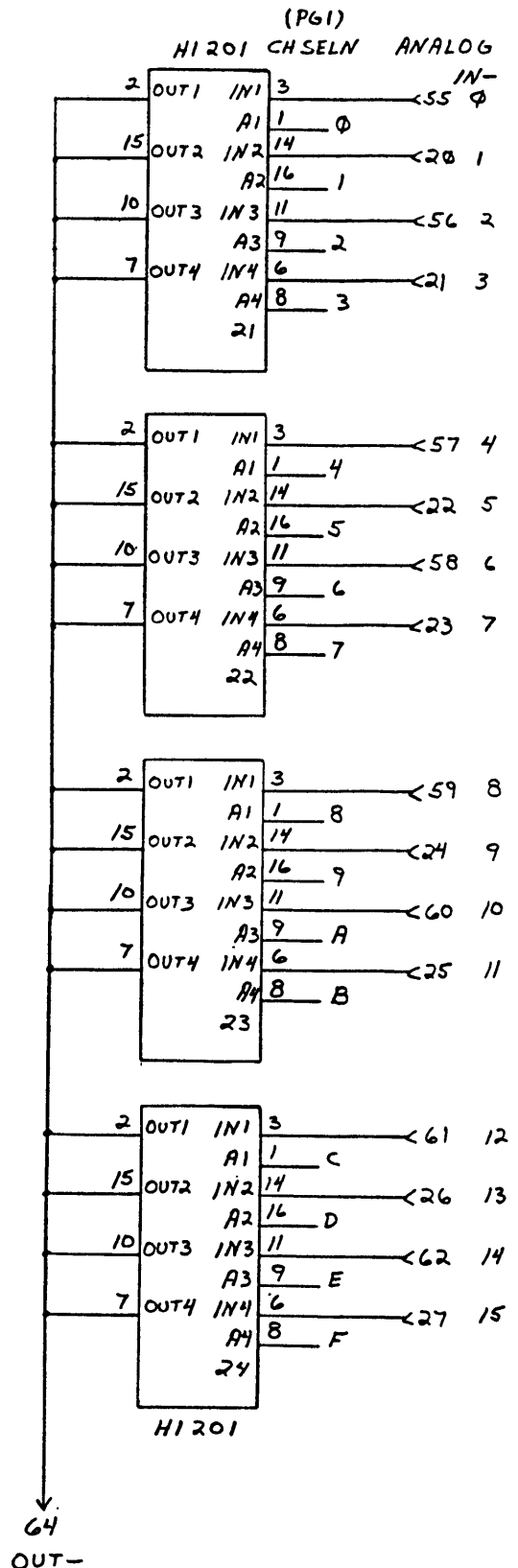
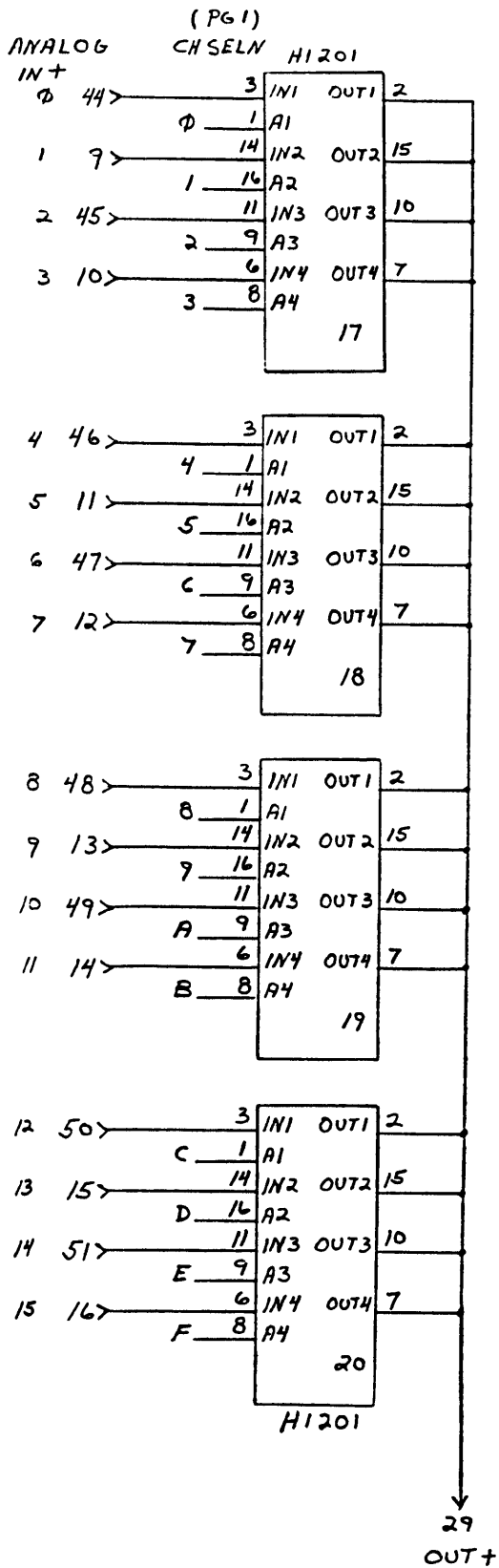
DISPLAY



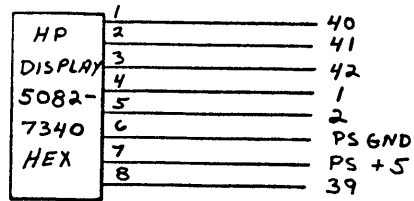
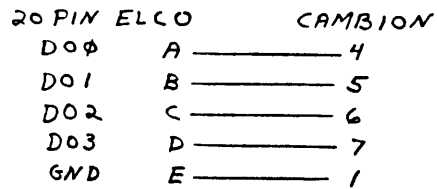
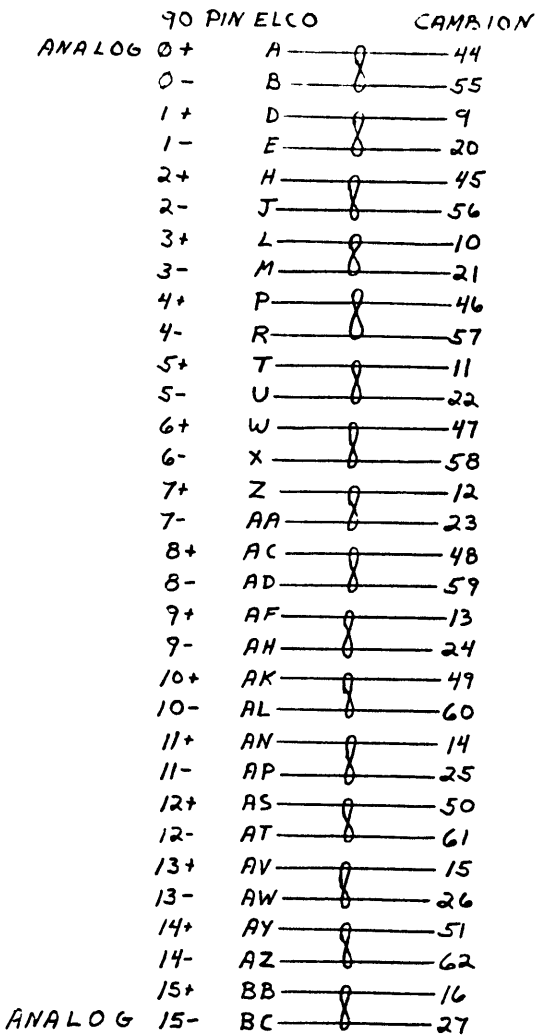
- 15 31 CHIPS 17-24 PIN 4
- 66
- +15 18 CHIPS 17-24 PIN 13
- 53
- GND 1,2 CHIPS 17-24 PIN 5
- 34,35

	8							1	
	RB99-1-K								
16	DIP SW	7486	* 7404	* 7442	* 7442	DISC	DISC		9
24	HI 201	HI 201	HI 201	HI 201	HI 201	HI 201	HI 201	HI 201	17
1									35
	36								70

* DECOUPLE WITH .47 Nf CAPACITOR



16 CHANNEL
 MULTIPLEXER
 FOR APPLE/ADIOS
 PAGE 2 OF 3



INTERCONNECT CABLE
MUX TO ADIOS

