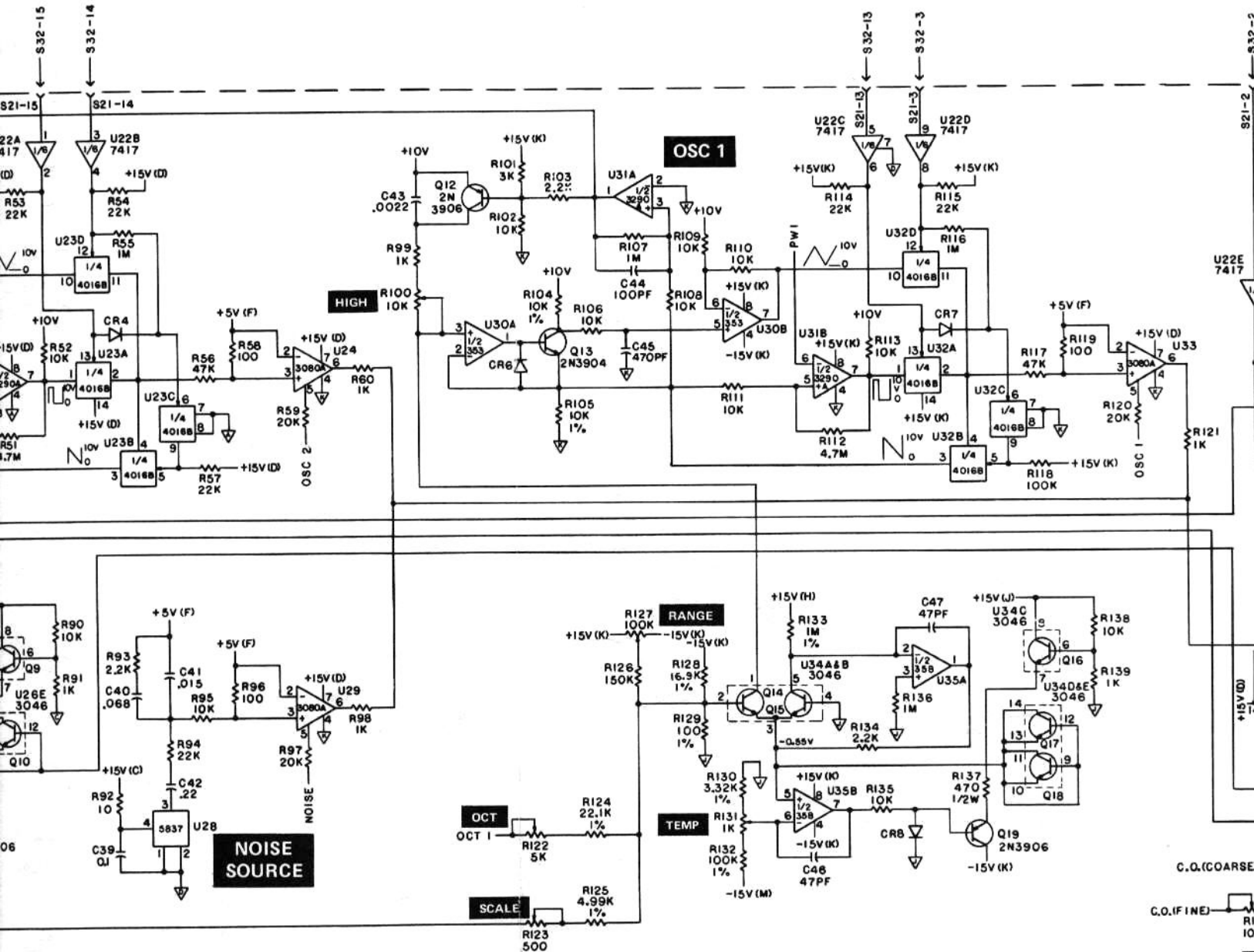


+15V
(P15-3) RED

DEMUX

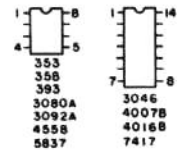
+10V
ADJ
R12
10K

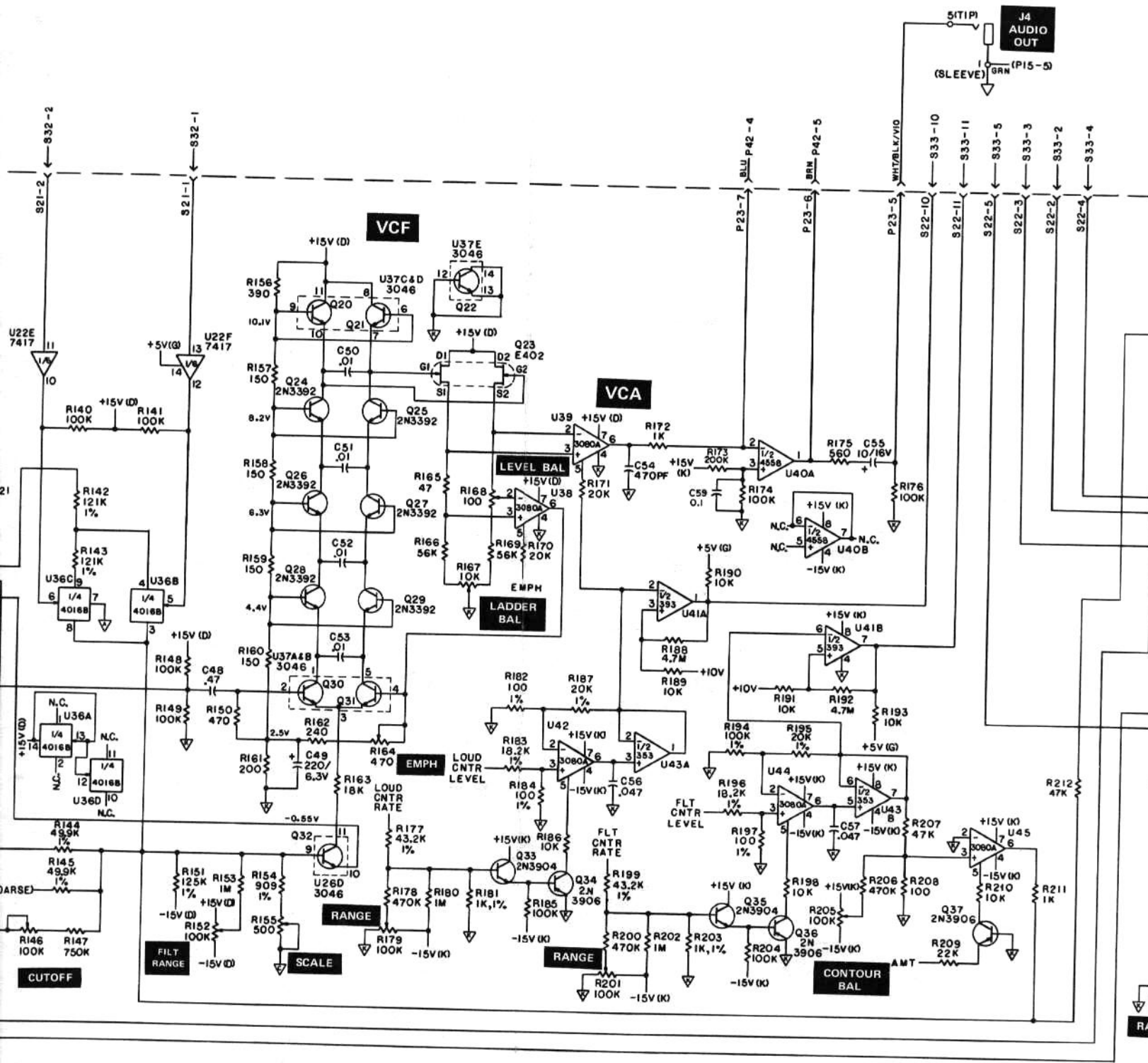
R11
47.5K
1%
R13
100K
1%



NOTES

- 1. UNLESS OTHERWISE SPECIFIED -
- ALL RESISTORS ARE IN OHMS 1/4W ±5%
- ALL CAPACITORS ARE IN MFD (μF)
- ALL DIODES ARE IN4148
- ALL ∇ ARE (DIGITAL GND)
- ALL $\nabla \nabla \nabla \nabla \nabla$ ARE (ANALOG GND)

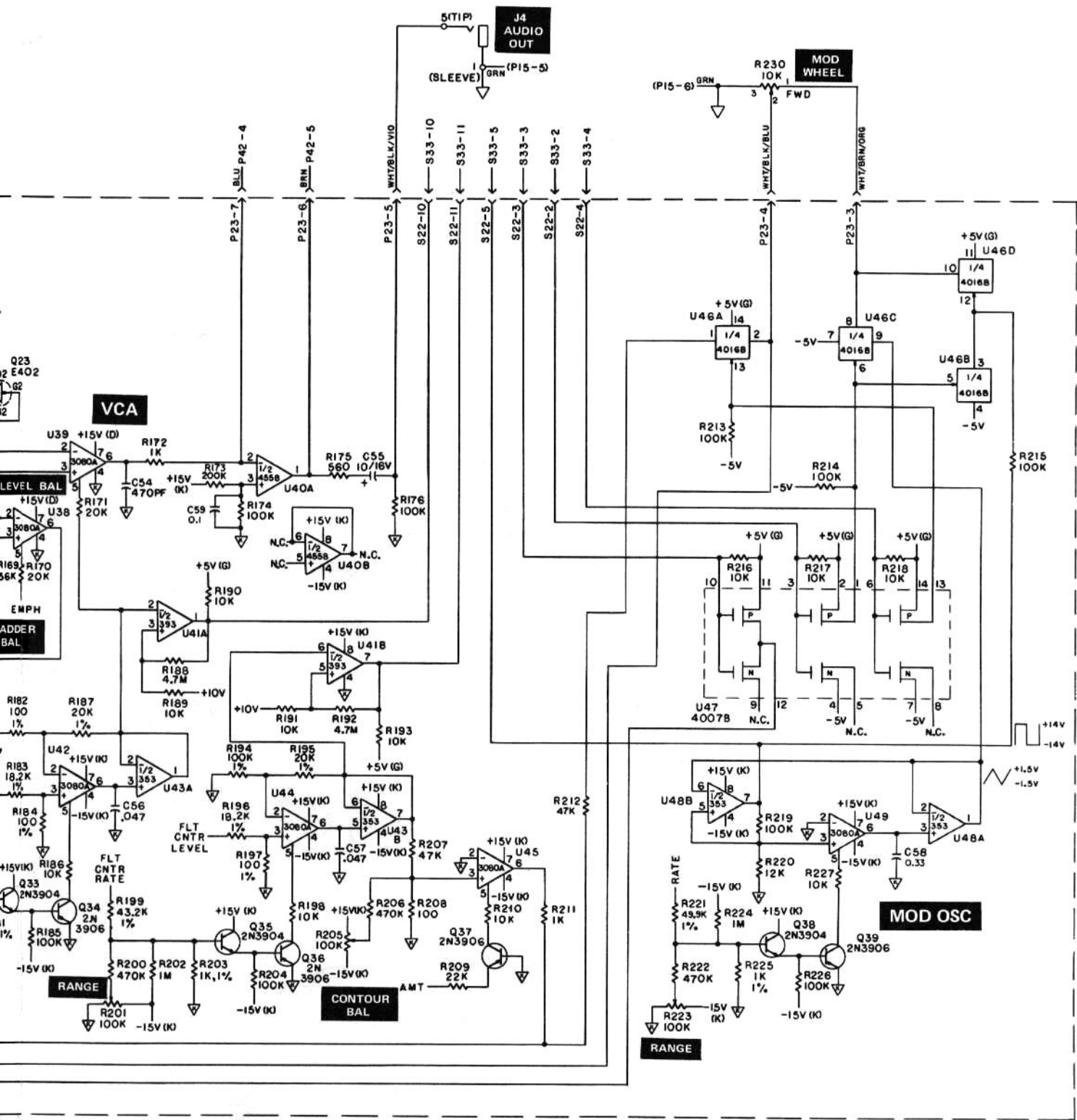




**COMPONENT BASING
TOP VIEW**

CONTOUR GENERATOR



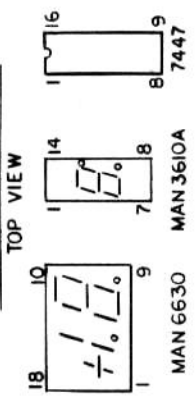


CONTOUR GENERATOR

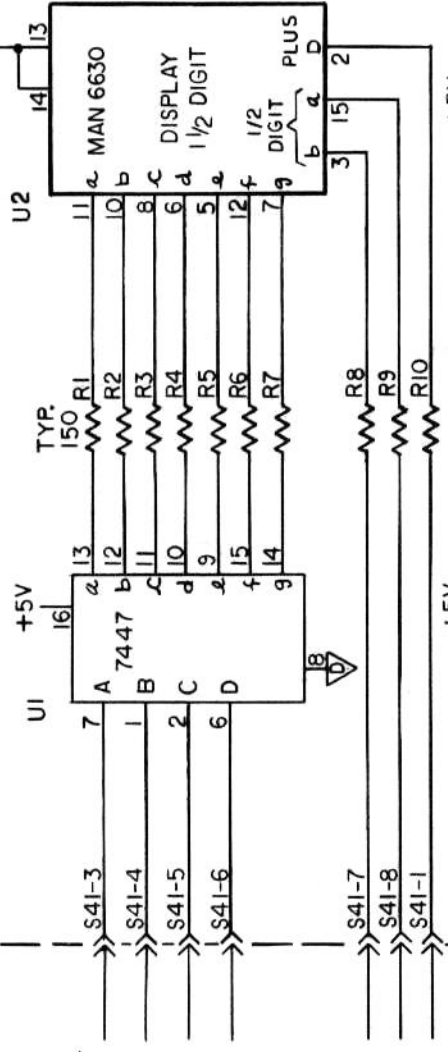
NOTES:

- 1. UNLESS OTHERWISE SPECIFIED - ALL RESISTORS ARE IN OHMS 1/4W, ± 5% ALL CAPACITORS ARE IN MFD. (μF)

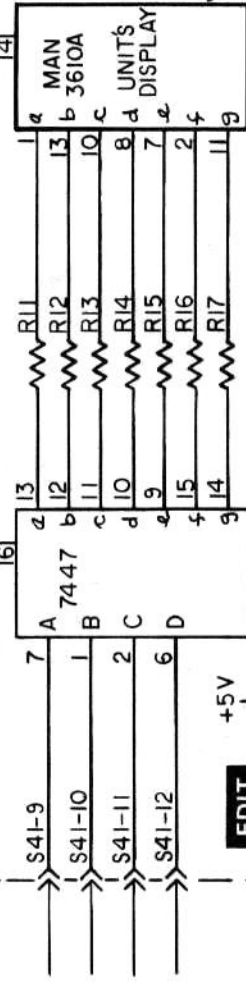
COMPONENT BASING



PROGRAM



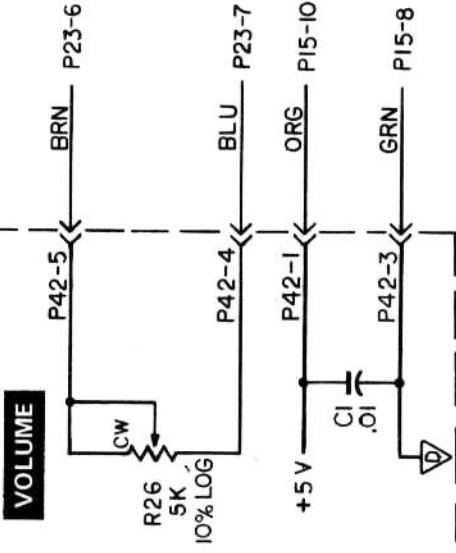
INCREMENTAL CONTROL



EDIT



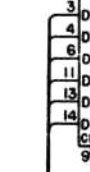
VOLUME



BOARD 4

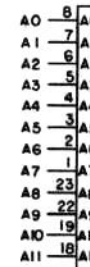
THE SOURCE DISPLAY PRINTED CIRCUIT BOARD SCHEMATIC

PROG
LAT
U1
74LS378

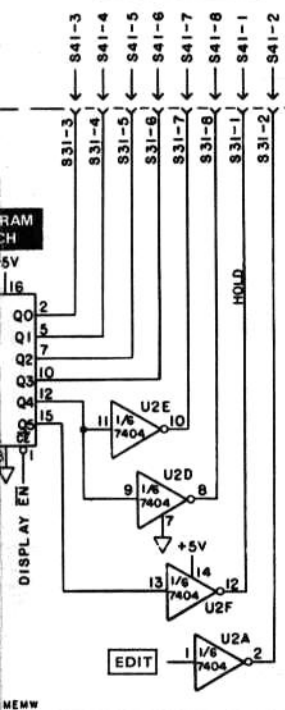


DATA BUS
D0 - D5

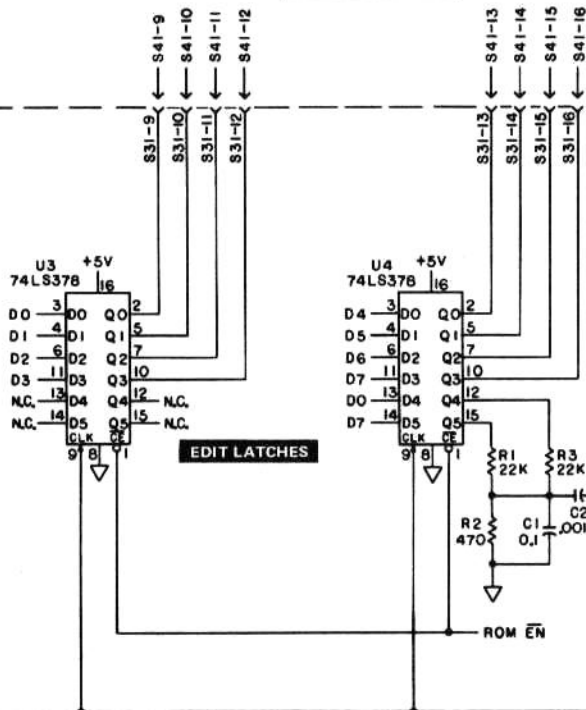
U23
2532



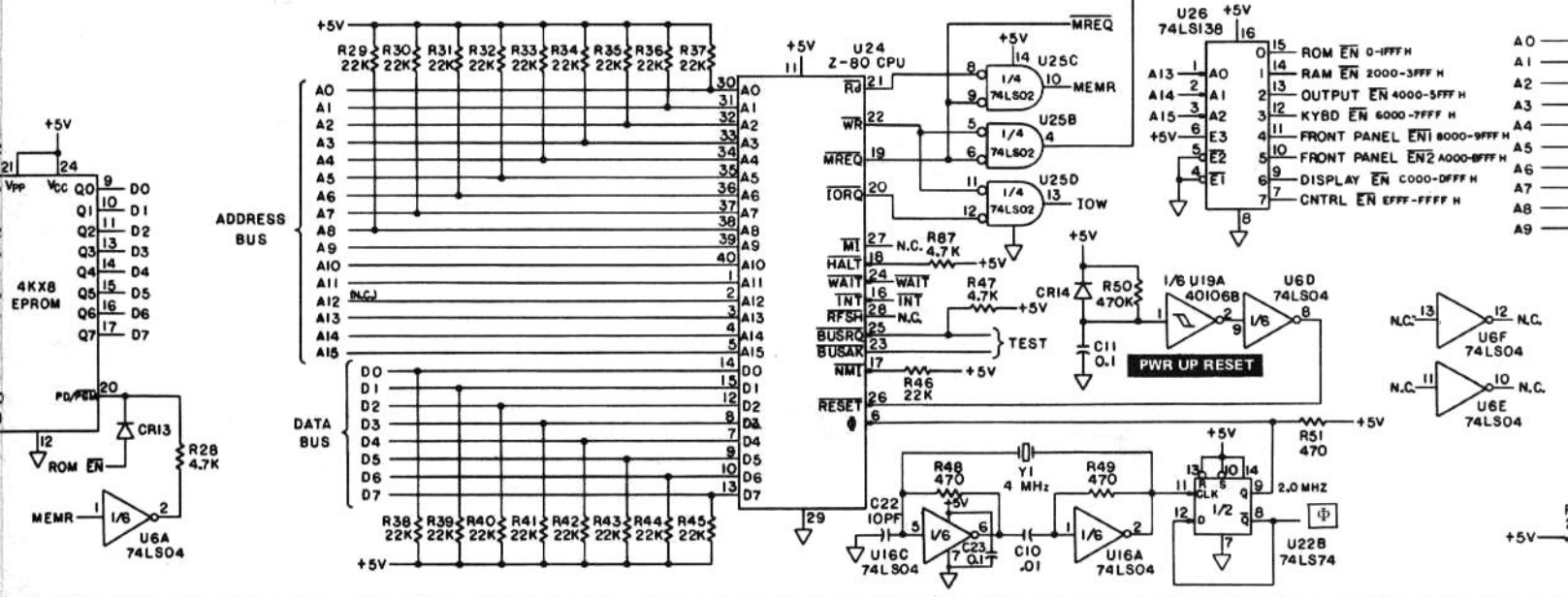
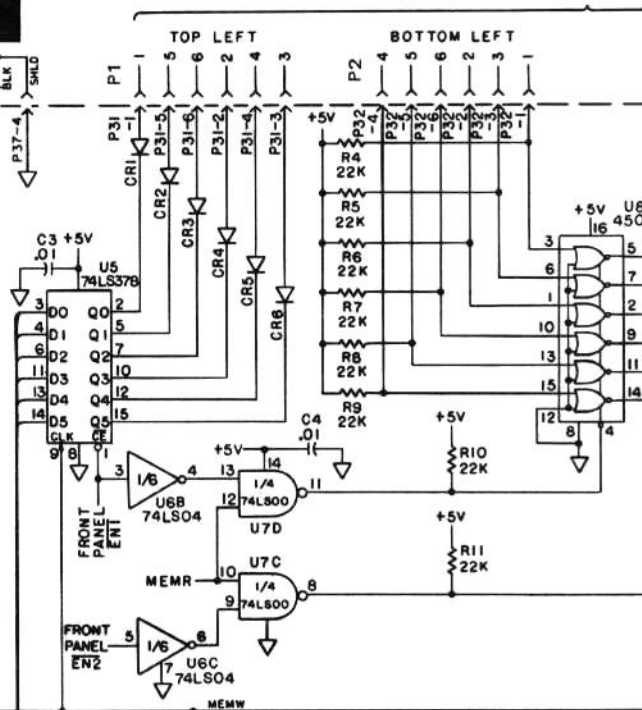
PROGRAM DISPLAY INTERFACE



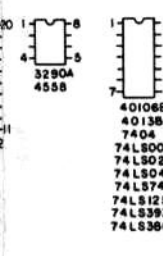
EDIT DISPLAY INTERFACE



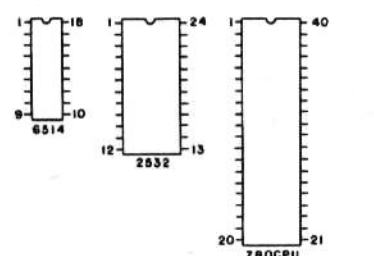
MEMBRANE SWITCH



ROM



COMPONENT BASING TOP VIEW



CPU



CLOCK Φ



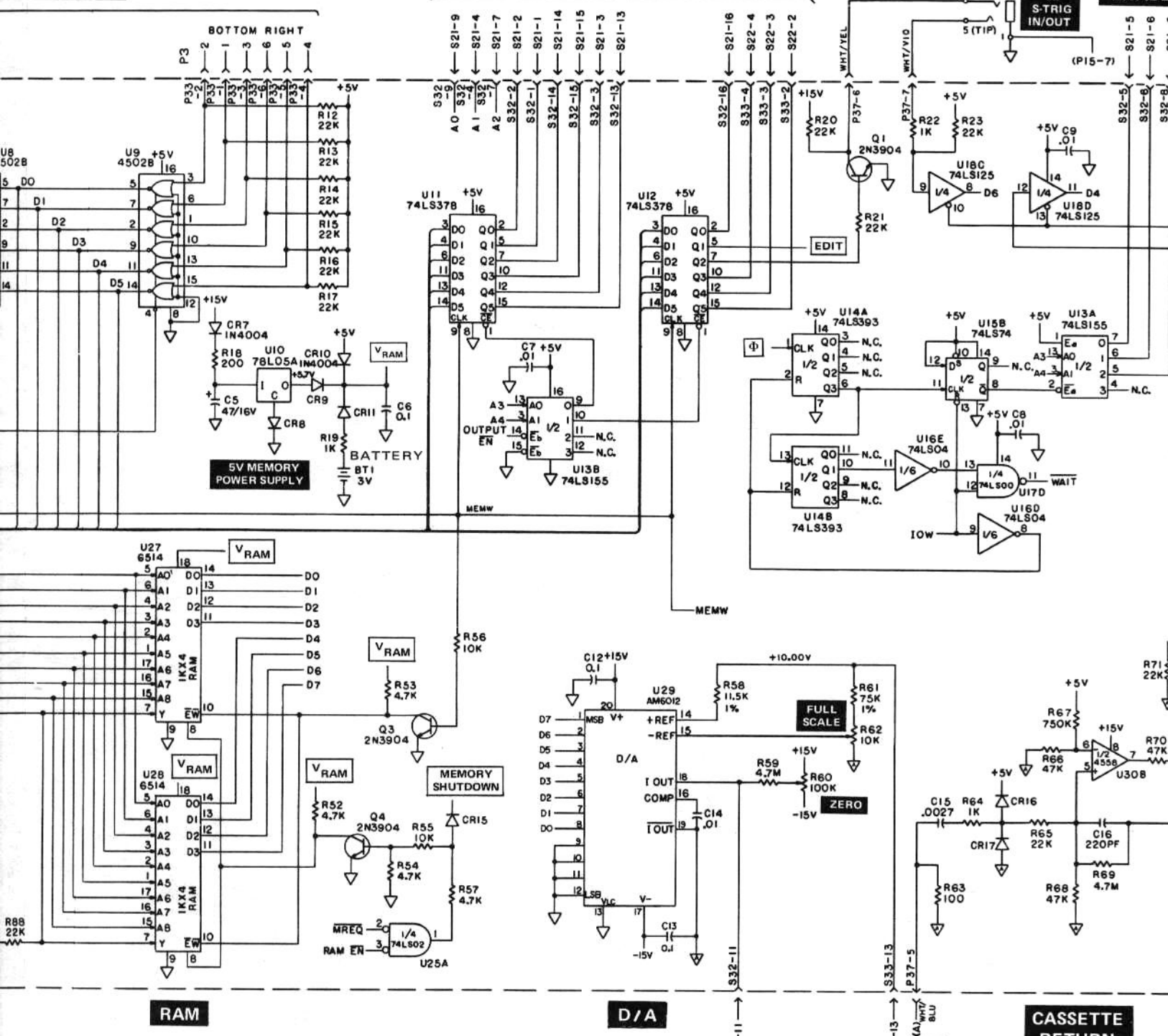
NOTES

- 1. UNLESS OTHERWISE SPECIFIED
- ALL RESISTORS ARE IN OHMS
- ALL CAPACITORS ARE IN P.F.
- ALL DIODES ARE 1N4148
- ALL ∇ ARE TO GND
- ALL ∇ ARE TO +5V
- A COMMA INDICATES GENERATION

H INTERFACE

SYNTH BOARD OUTPUTS

DEMU ENABL



UNLESS OTHERWISE SPECIFIED -
RESISTORS ARE IN OHMS 1/4W, ±5%.
CAPACITORS ARE IN MFD (µF).
DIODES ARE IN 1N4148.

⏏ (DIGITAL GND)
⏏ (ANALOG GND)

DO NOT CONNECT DIRECTLY TO CPU.



Factory Service Bulletin

2500 WALDEN AVE. • BUFFALO, NEW YORK 14225 • UNITED STATES
51 NANTUCKET BLVD. • SCARBOROUGH, ONT. MIP 2N6 • CANADA
WAALHAVEN • Z.Z. 48 ROTTERDAM • THE NETHERLANDS

SUBJECT: SOURCE
All Serial Numbers

NUMBER: 827

DATE: 10/82

SYMPTOMS

- "Plays by itself",
- Resets itself to Preset #1,
- "Freezes" or "Locks Up", making it necessary to turn the power off and on to reset it,
- Looses memory even though the battery soldering is good,
- Occasionally detunes oscillators,
- Various other symptoms which appear intermittent and/or vibration sensitive.

CAUSE

Surface oxidation of the 5 volt digital regulator leads. U3 on the Power Supply Board.

CURE

Remove U3 (7805), clean the leads with a pencil eraser and re-install. U3 is located under the row of connectors on the Power Supply and it is recommended that the leads of U3 be cleaned on all units returned for service.

CONCLUSION

Cleaning the leads of U3 appears to be a permanent cure. Please note the MANUFACTURER AND DATE CODE of the particular regulator when one of the above symptoms surfaces and advise us so for continuing reliability evaluation.

