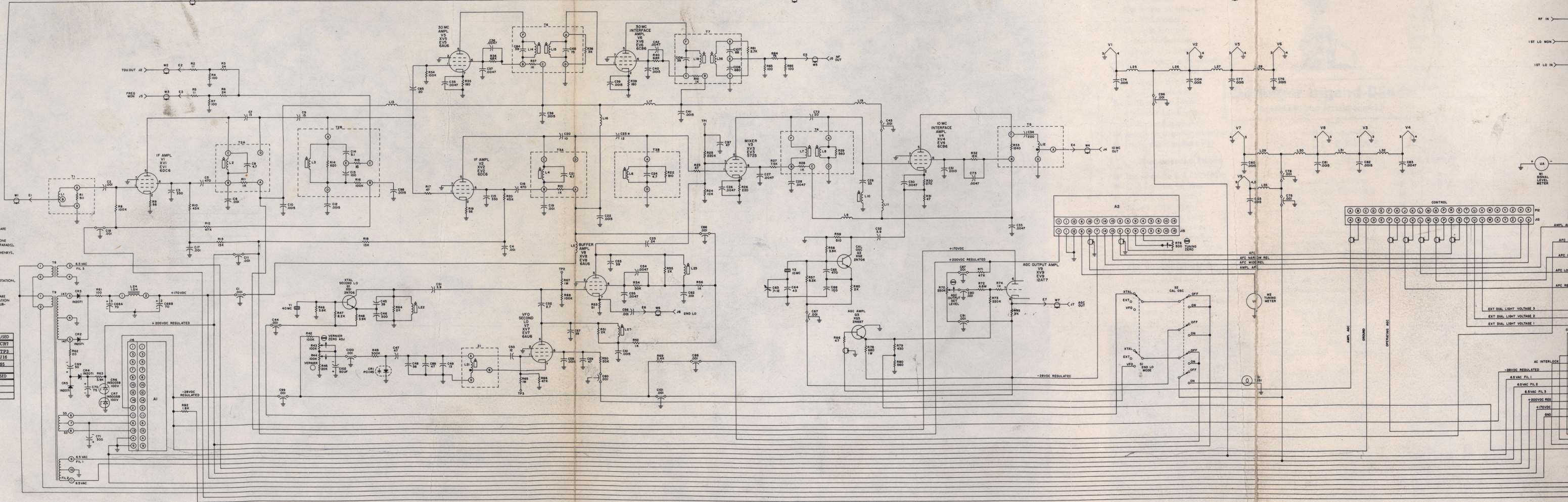


NOTE:

1. UNLESS OTHERWISE NOTED:  
CAPACITOR VALUES LESS THAN ONE ARE IN MICROFARADS.  
CAPACITOR VALUES GREATER THAN ONE ARE IN MICROFARADS (MICROMICROFARADS).  
INDUCTANCE VALUES ARE IN MICROHENRYS.  
RESISTOR VALUES ARE IN OHMS, KILOHMS, AND MEGOHMS.
2. INTERNAL ADJUSTMENT.
3. ARROW DENOTES CLOCKWISE ROTATION.
4. OPERATING CONTROL.
5. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. FOR COMPLETE IDENTIFICATION REFER WITH THE UNIT NUMBER OR SUB-ASSEMBLY DESIGNATION.
6. \* TYPICAL VALUE.

HIGHEST REF. DESIGNATION USED			
C108	M2	T9	CR7
B7	V8	Z1	TP2
F1	Q3	WT	Z16
R86	Y2	1-36	S5
DS1			
REF. DESIGNATION NOT USED			



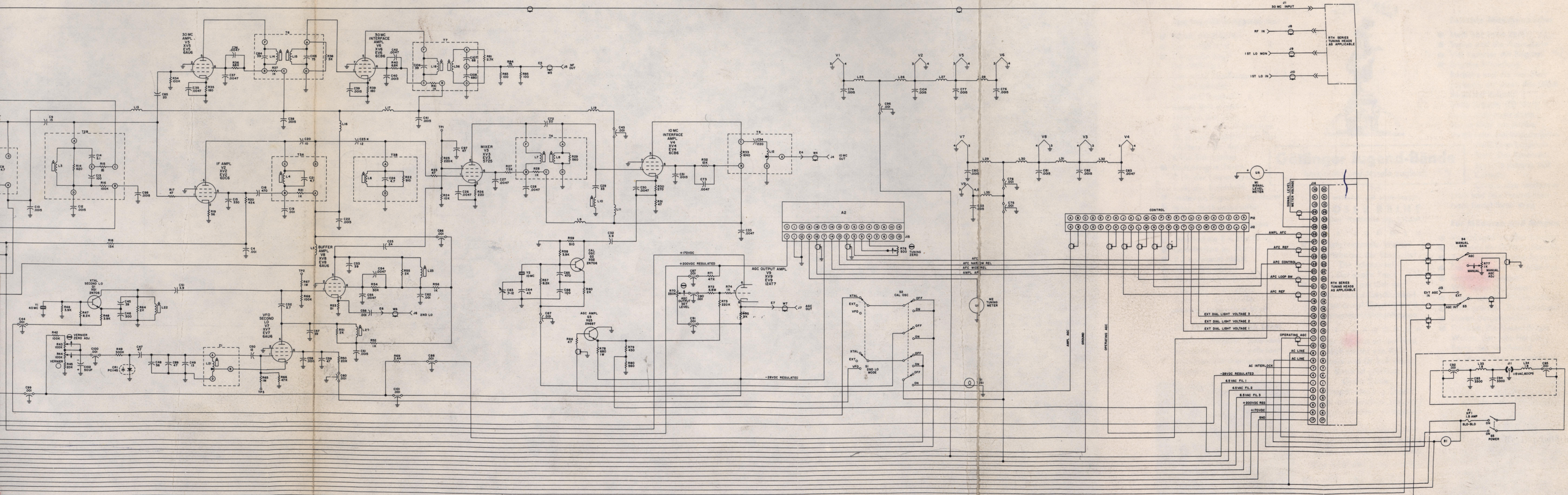


Figure 7-1. Model FCU-15 Frequency Converter Unit, R21-428 Schematic Diagram

NOTE:


1. UNLESS OTHERWISE NOTED:


CAPACITOR VALUES LESS THAN ONE ARE IN MICROFARADS.


CAPACITOR VALUES GREATER THAN ONE ARE IN PICO FARADS (MICROMICROFARADS).

INDUCTANCE VALUES ARE IN MICROHENRYS.

RESISTOR VALUES ARE IN OHMS, K=1000, M=1,000,000.

2.  INTERNAL ADJUSTMENT.

3.  ARROW DENOTES CLOCKWISE ROTATION.

4.  OPERATING CONTROL.

5. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE IDENTIFICATION PREFIX WITH THE UNIT NUMBER OR SUB-ASSEMBLY DESIGNATION.

6. \* TYPICAL VALUE.

HIGHEST REF. DESIGNATION USED			
CR3	R10	F1	C4
Q3			
REF. DESIGNATION NOT USED			

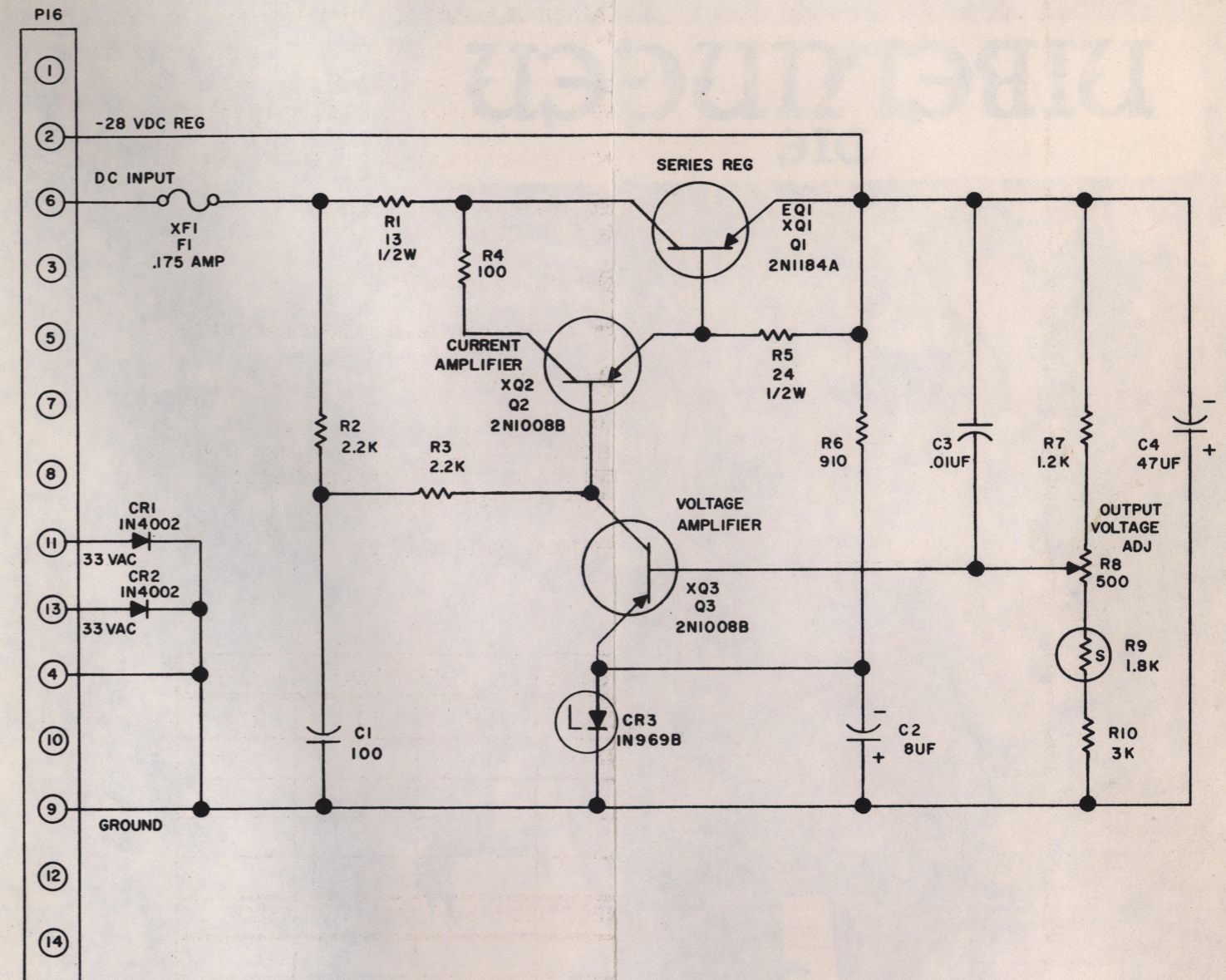


Figure 7-3. A1, 28-Volt Regulated Power Supply, Schematic Diagram R21-420

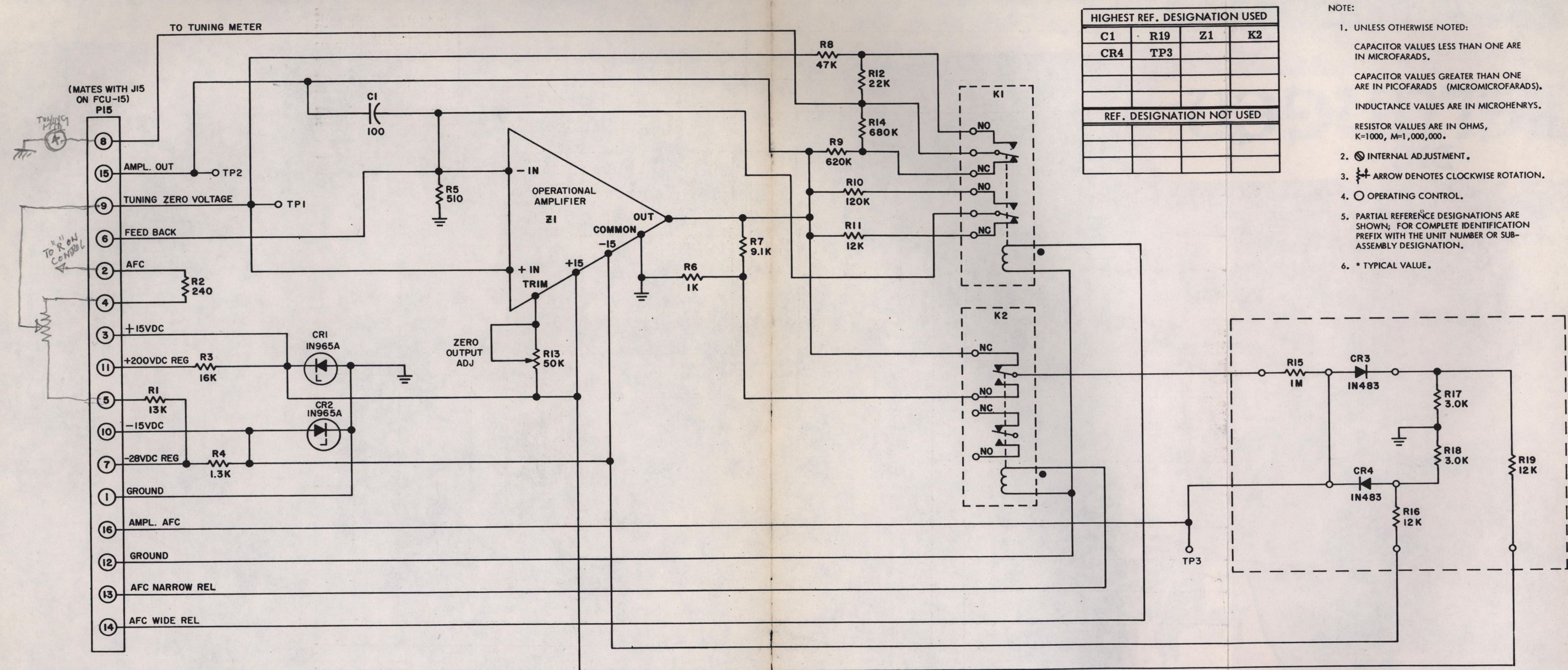





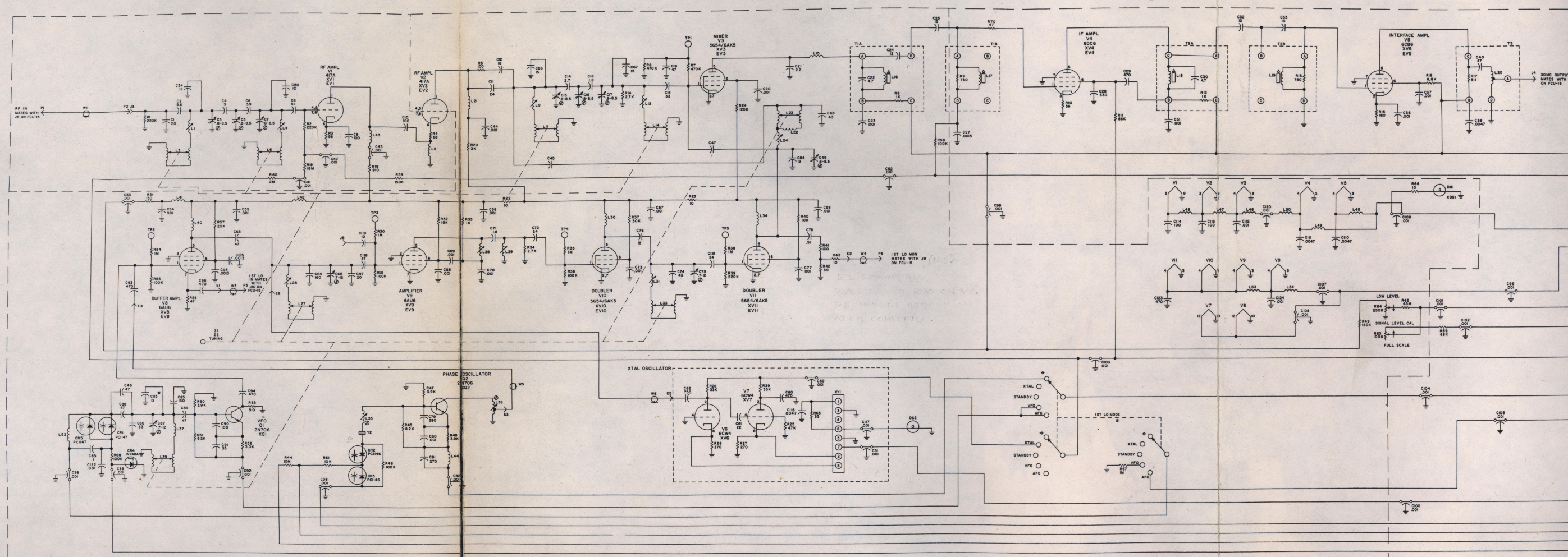
Figure 7-2. A2, AFC Amplifier, Schematic Diagram R21-427

4

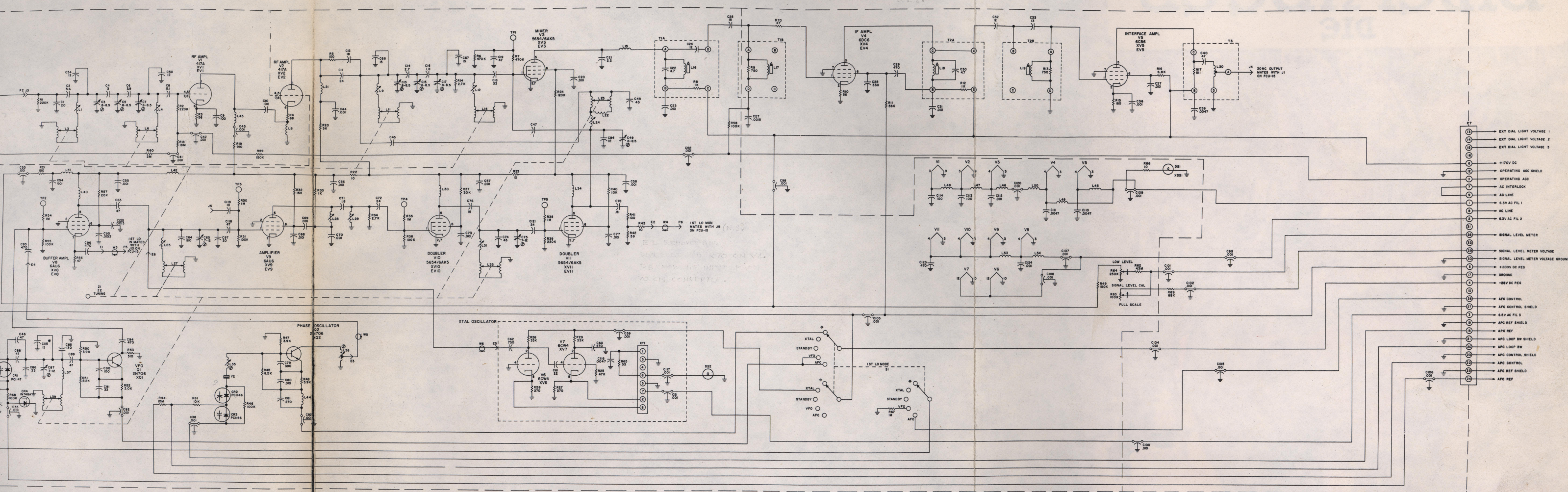
NOTE:

1. UNLESS OTHERWISE NOTED:  
CAPACITOR VALUES LESS THAN ONE ARE IN MICROFARADS,  
CAPACITOR VALUES GREATER THAN ONE ARE IN PICOFARADS (MICROMICROFARADS),  
INDUCTANCE VALUES ARE IN MICROHENRYS,  
RESISTOR VALUES ARE IN OHMS,  
K=1,000, M=1,000,000.
2.  INTERNAL ADJUSTMENT.
3.  ARROW DENOTES CLOCKWISE ROTATION.
4.  OPERATING CONTROL.
5. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE IDENTIFICATION PREFIX WITH THE UNIT NUMBER OR SUB-ASSEMBLY DESIGNATION.
6. \* TYPICAL VALUE.

HIGHEST REF. DESIGNATION USED			
C125	Q2	W6	TP5
E16	R70	Y2	
J5	S1	Z2	
L53	T3	CR5	
P7	V11	DS2	
REF. DESIGNATION NOT USED			
L2	L10	L32	W2
L5	L13	L38	J1
L7	L26	L51	J2
P3	P4		



NOTE: THE RF, MIXER, I.F. STAGES OF THIS CONVERTER HAVE BEEN DISCONNECTED AT PC-25 ON T1A.



NOTE: THE RF, MIXER, I.F. STAGES OF THIS CONVERTER HAVE BEEN DISCONNECTED AT PC 15 ON TIA.

Figure 7-4. Model RTH-A15 Tuning Unit, Schematic Diagram R21-408