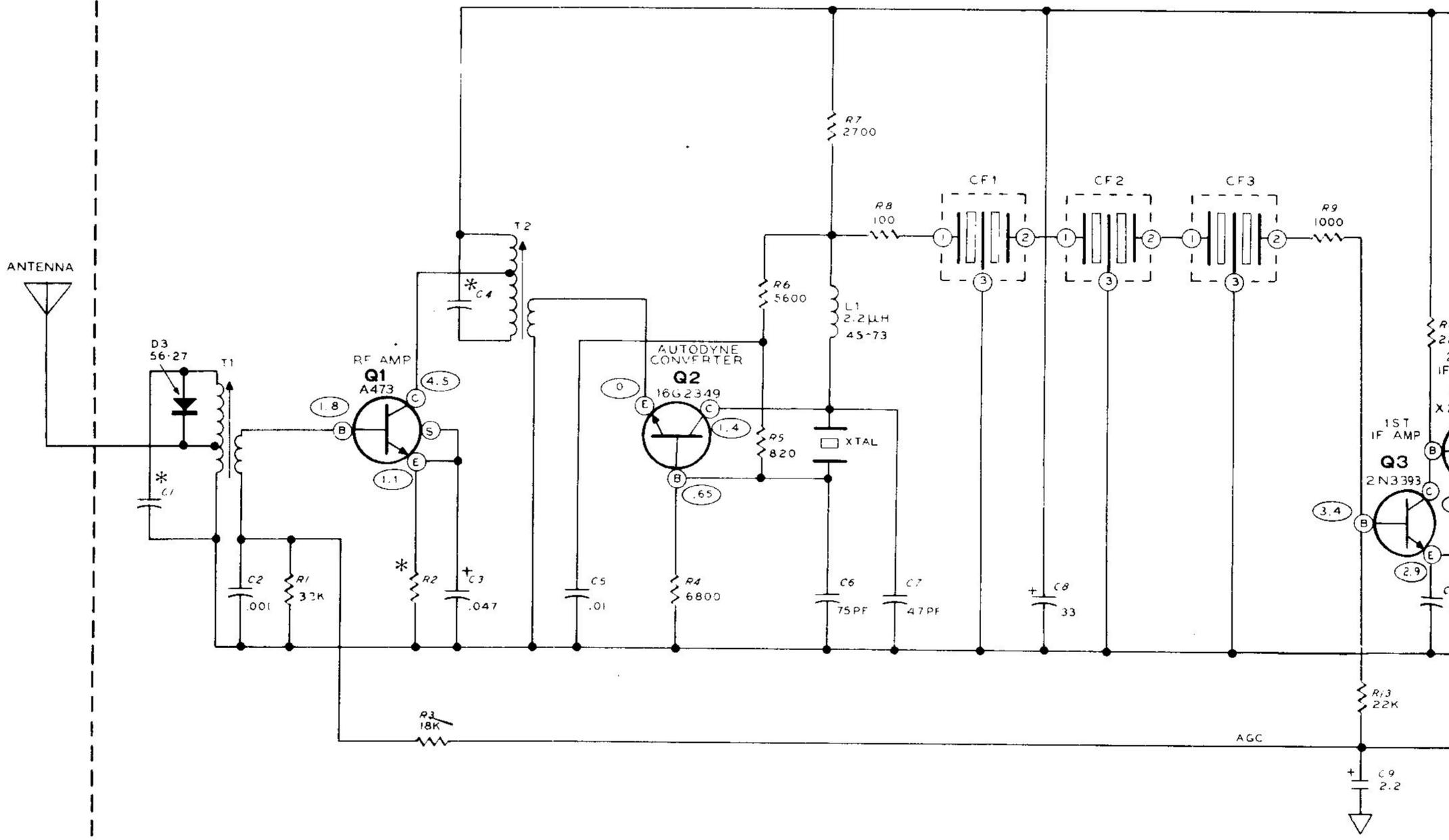
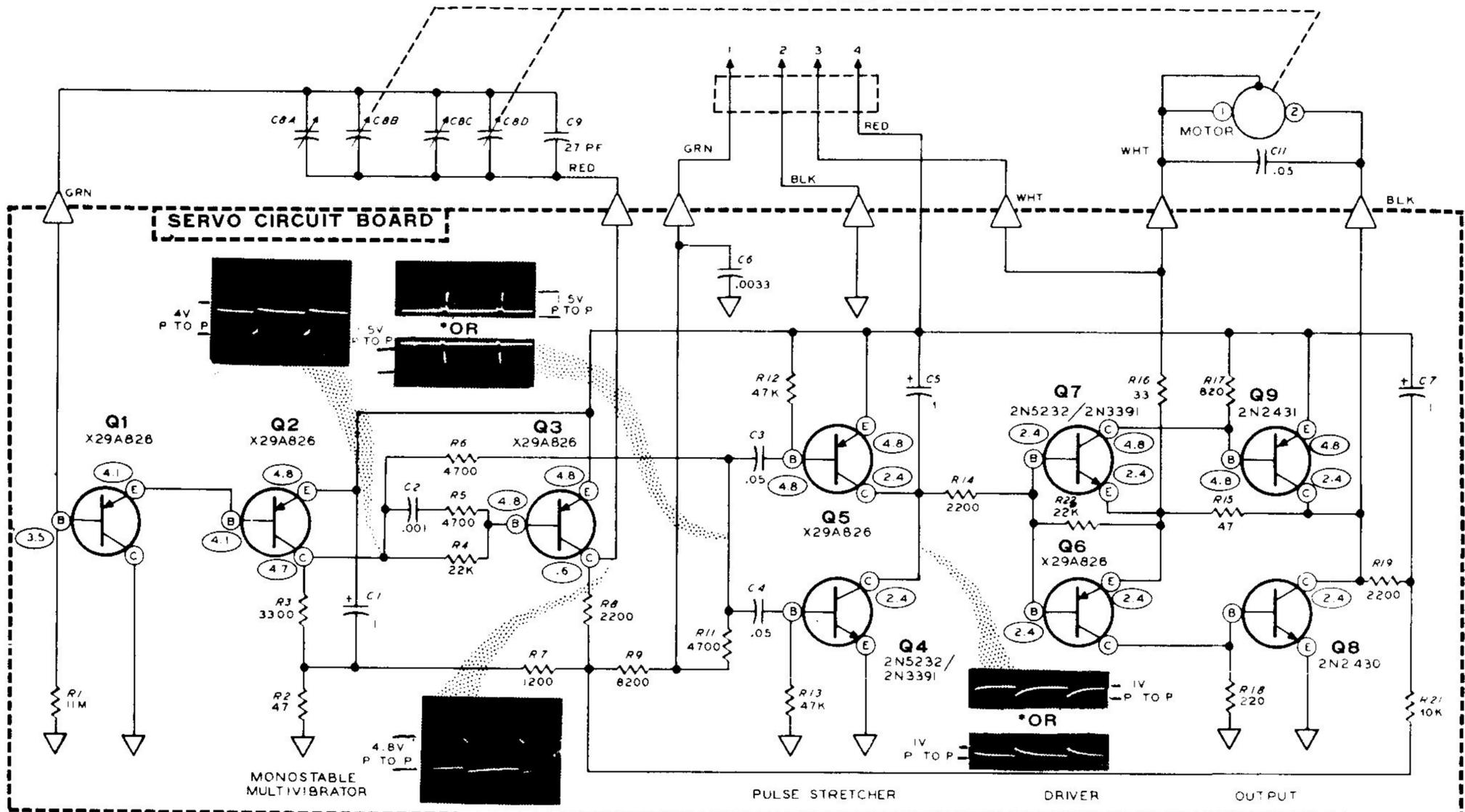


RECEIVER CIRCUIT BOARD

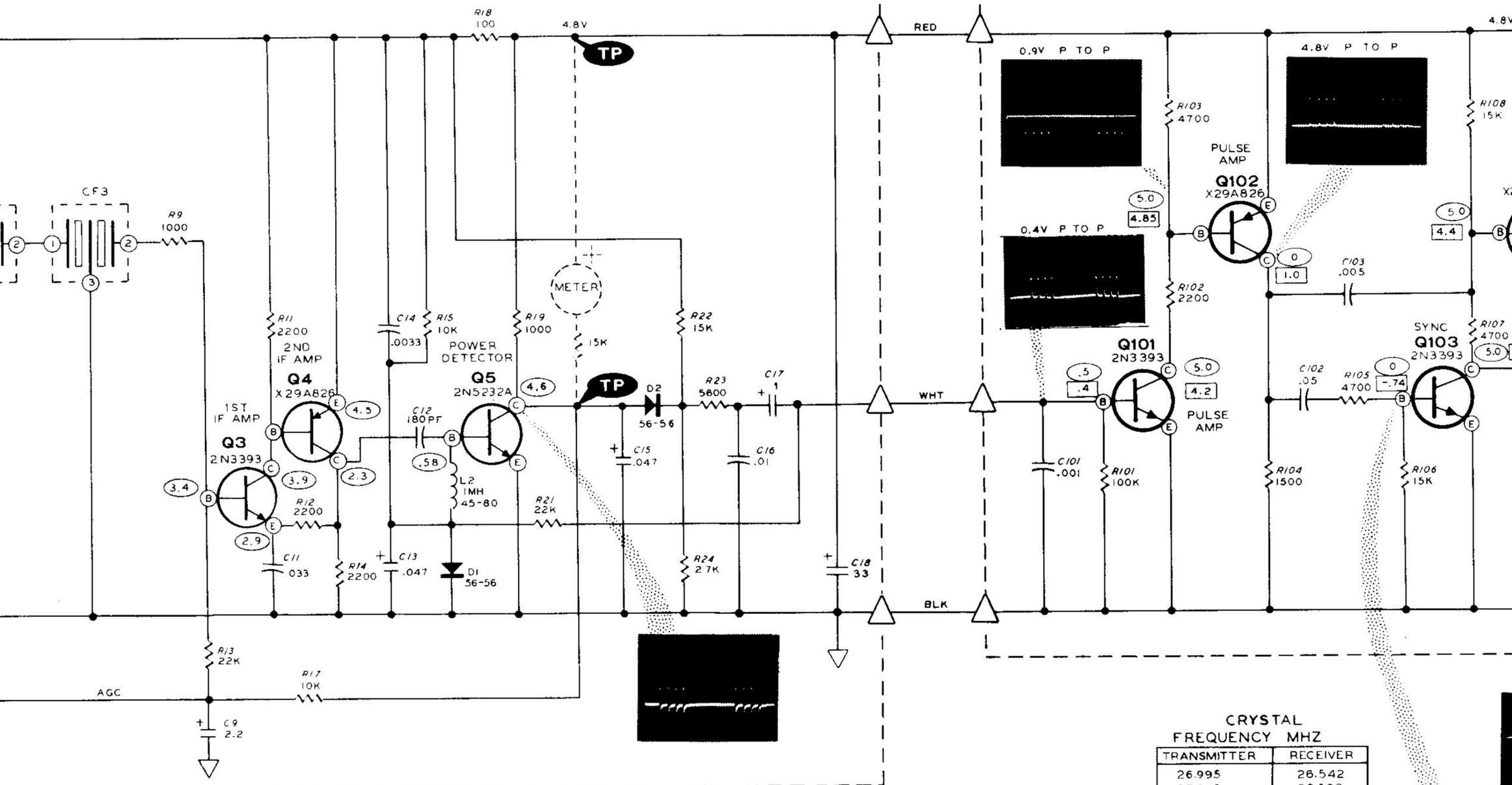


| *         | C1   | C4   | R2   |
|-----------|------|------|------|
| 27 MHZ    | 47PF | 47PF | 470  |
| 53-72 MHZ | 27PF | 27PF | 2700 |

GEAR-TRAIN COUPLED

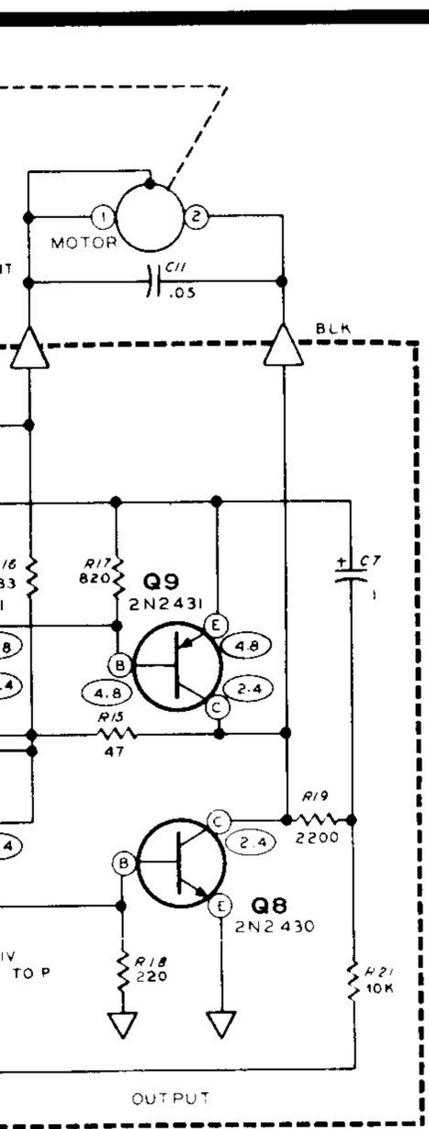


DECODER CIRCUIT BOARD RECEIVER



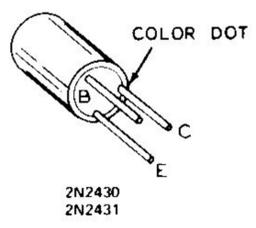
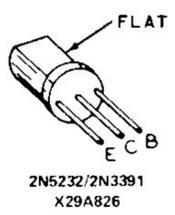
**CRYSTAL FREQUENCY MHZ**

|             | TRANSMITTER | RECEIVER |
|-------------|-------------|----------|
| 27 MHZ BAND | 26.995      | 26.542   |
|             | 27.045      | 26.592   |
|             | 27.095      | 26.642   |
|             | 27.145      | 26.692   |
|             | 27.195      | 26.742   |
| 53 MHZ BAND | 53.100      | 26.3235  |
|             | 53.200      | 26.3735  |
|             | 53.300      | 26.4235  |
|             | 53.400      | 26.4735  |
| 72 MHZ BAND | 53.500      | 26.5235  |
|             | 36.040      | 36.2665  |
|             | 36.120      | 36.3465  |
|             | 36.200      | 36.4265  |
|             | 36.480      | 36.7065  |
|             | 37.820      | 37.5935  |

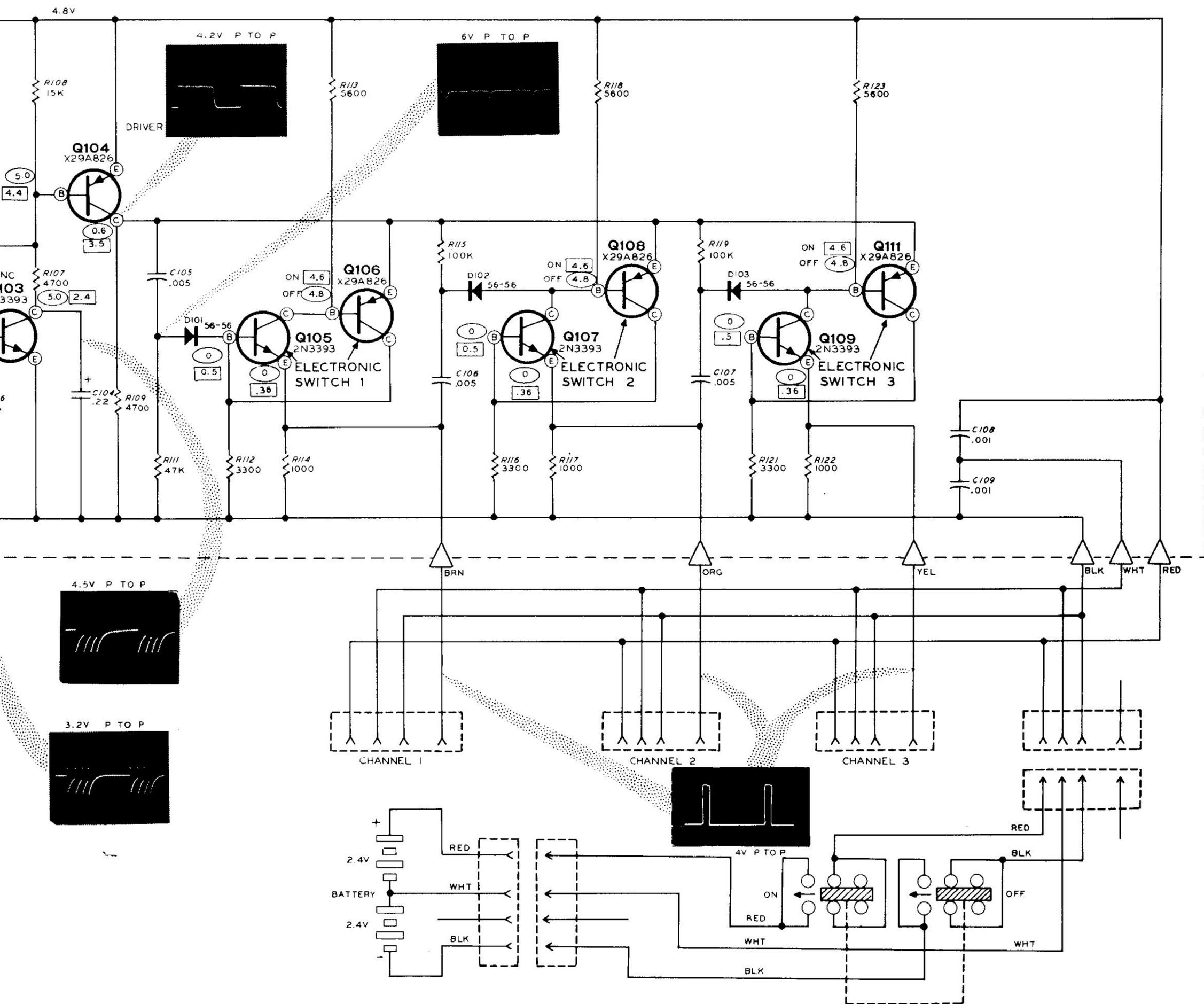


**SCHEMATIC OF THE  
HEATHKIT  
DIGITAL PROPORTIONAL SERVO  
MODEL GDA-19-4**

1. ALL RESISTORS ARE 1/4 WATT. RESISTOR VALUES ARE IN OHMS (K = 1,000, M = 1,000,000).
2. ALL CAPACITOR VALUES ARE IN  $\mu$ F UNLESS MARKED OTHERWISE.
3. ○ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT WITH NO SIGNAL BEING RECEIVED.
4. ALL VOLTAGES ARE MEASURED WITH A HIGH IMPEDANCE VOLTMEETER, FROM THE POINT INDICATED TO COMMON GROUND. VOLTAGES MAY VARY  $\pm 20\%$ .
5. REFER TO THE SERVO PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEW FOR THE PHYSICAL LOCATION OF PARTS.
6. \* THESE WAVEFORMS SHOW THE DRIVE SIGNALS FOR BOTH DIRECTIONS.



**SCHEMATIC OF  
HEATHKIT  
3-CHANNEL DIGITAL P  
RECEIVER  
MODEL GDA**



IC OF THE  
KIT®  
TAL PROPORTIONAL  
IVER  
GDA-57-2

1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:

0-99 PARTS MOUNTED ON THE RECEIVER CIRCUIT BOARD.  
100-199 PARTS MOUNTED ON THE DECODER CIRCUIT BOARD.

2. ALL RESISTORS ARE 1/4 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K = 1,000).

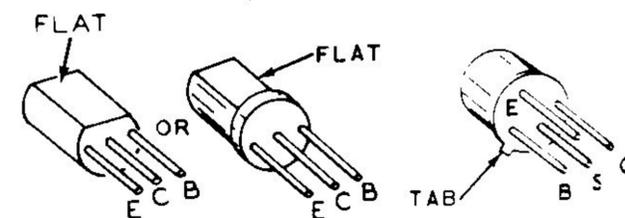
3. ALL CAPACITOR VALUES ARE IN  $\mu$ F UNLESS MARKED OTHERWISE.

4. ○ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT WITH NO SIGNAL BEING RECEIVED.

5. □ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT WITH SIGNAL BEING RECEIVED.

6. ALL VOLTAGES ARE MEASURED WITH A HIGH IMPEDANCE VOLTMETER, FROM THE POINT INDICATED TO COMMON GROUND. VOLTAGES MAY VARY  $\pm 20\%$ .

7. REFER TO THE CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.



16G2349  
2N3393  
X29A826  
2N5232A

40481