

5.4.12.3 Type 79247A Readout Scaler Driver

REF DESIG PREFIX A11A3-6

| REF DESIG | DESCRIPTION | QTY. PER ASSY. | MANUFACTURER'S PART NO. | MFR. CODE |
|-----------|---|----------------|-------------------------|-----------|
| CR1 | DIODE | 1 | 1N4003 | 80131 |
| CR2 | DIODE | 1 | 1N462A | 80131 |
| DS1 | READOUT TUBE | 1 | NL809 | 83781 |
| R1 | RESISTOR, FIXED, COMPOSITION: 5.6 k Ω , 5%, 1/4W | 1 | RCR07G562JS | 81349 |
| R2 | RESISTOR, FIXED, COMPOSITION: 2 k Ω , 5%, 1/4W | 4 | RCR07G202JS | 81349 |
| R3 | Same as R2 | | | |
| R4 | Same as R2 | | | |
| R5 | Same as R2 | | | |
| XDS1 | SOCKET, READOUT TUBE | 1 | SK169 | 83594 |
| XZ1 | SOCKET, INTEGRATED CIRCUIT | 1 | 8058-1G49 | 91506 |
| XZ2 | SOCKET, INTEGRATED CIRCUIT | 1 | 116AG7A | 91506 |
| Z1 | INTEGRATED CIRCUIT | 1 | U5B995879X | 07263 |
| Z2 | INTEGRATED CIRCUIT | 1 | U6B996079X | 07263 |

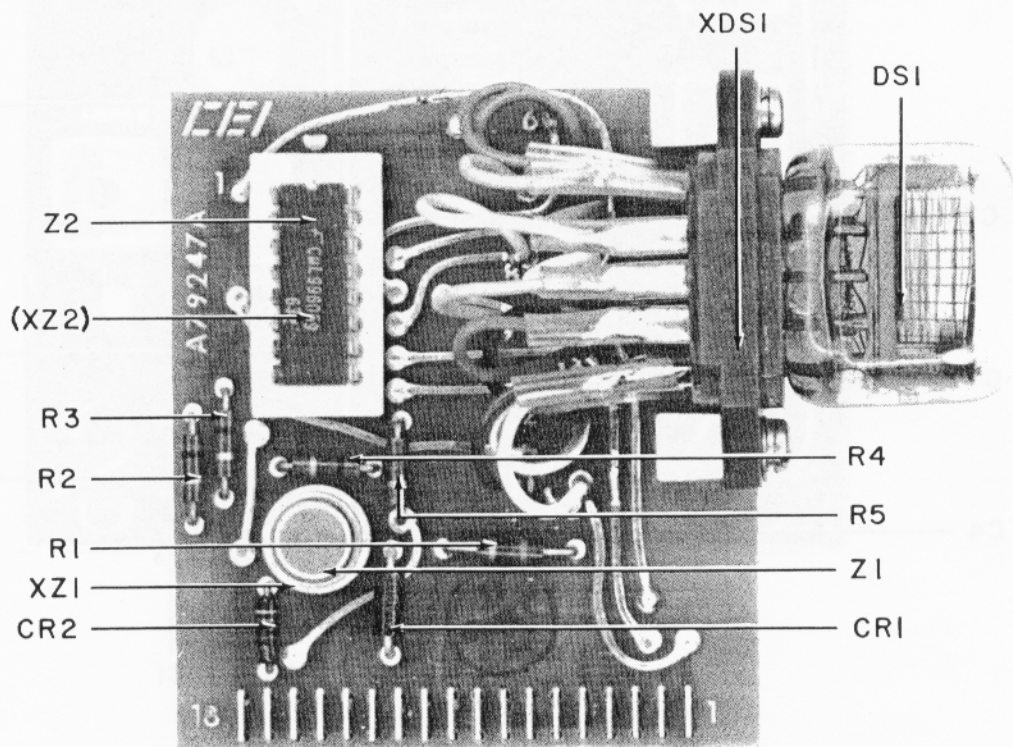


Figure 5-28. Type 79247A Readout Scaler and Nixie Driver, Component Locations

REF DESIG PREFIX A12

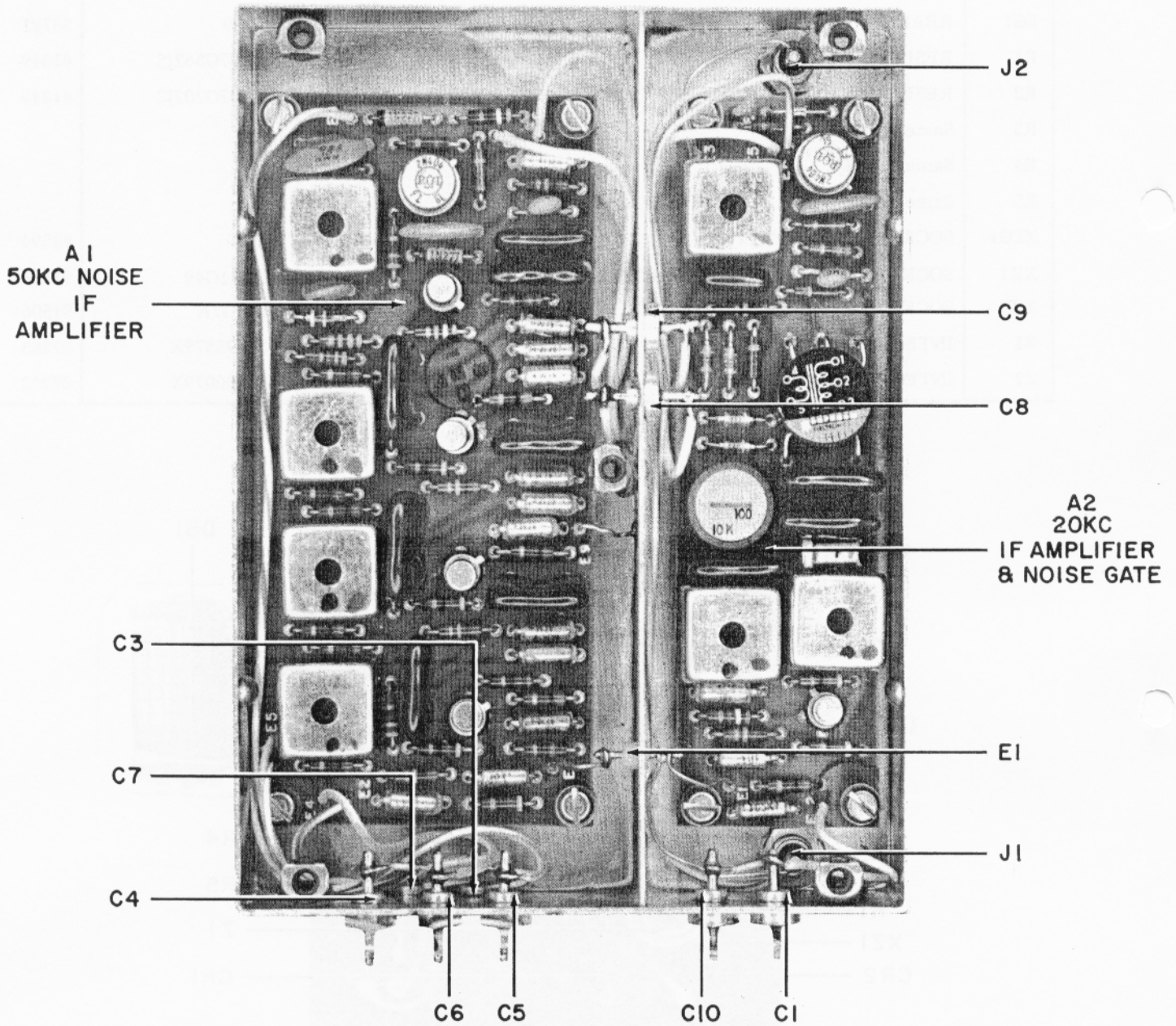


Figure 5-29. Type 79220 Noise IF and Gate, Component Locations

5.4.13 Type 79220 Noise IF and Gate

REF DESIG PREFIX A12

| REF DESIG | DESCRIPTION | QTY. PER ASSY. | MANUFACTURER'S PART NO. | MFR. CODE |
|--------------|---|----------------------|----------------------------|--------------|
| A1 | 50 KC NOISE IF AMPLIFIER | 1 | 13262 | 14632 |
| A2 | 20 KC IF AMPLIFIER & NOISE GATE | 1 | 13635 | 14632 |
| C1 | CAPACITOR, CERAMIC, FEEDTHRU: 1000 pF, GMV, 500V | 9 | FA5C-102W | 01121 |
| C2 | NOT USED | | | |
| C3 | Same as C1 | | | |
| C4 | Same as C1 | | | |
| C5 | Same as C1 | | | |
| C6 | Same as C1 | | | |
| C7 | Same as C1 | | | |
| C8 | Same as C1 | | | |
| C9 | Same as C1 | | | |
| C10 | Same as C1 | | | |
| E1 | TERMINAL, FEEDTHRU | 1 | FT039B02 | 81349 |
| J1 | CONNECTOR, RECEPTACLE | 2 | 46025 | 74868 |
| J2 | Same as J1 | | | |
| MP1 | COVER | 1 | 20858-1 | 14632 |
| P1 | CONNECTOR, PLUG, MULTIPIN | 1 | SMRE-14PG | 81312 |

5.4.13.1 Part 13262 50 KC Noise IF Amplifier

REF DESIG PREFIX A12A1

| REF DESIG | DESCRIPTION | QTY. PER ASSY. | MANUFACTURER'S PART NO. | MFR. CODE |
|--------------|---|----------------------|----------------------------|--------------|
| C1 | CAPACITOR, ELECTROLYTIC, TANTALUM: .47 μ F, 10%, 35V | 11 | CS13BF474K | 81349 |
| C2 | CAPACITOR, ELECTROLYTIC, TANTALUM: .1 μ F, 10%, 35V | 1 | 150D104X9035A2 | 56289 |
| C3 | Same as C1 | | | |
| C4 | Same as C1 | | | |
| C5 | Same as C1 | | | |
| C6 | CAPACITOR, MICA, DIPPED: 2200 pF, 5%, 500V | 3 | CM06FD222J03 | 81349 |
| C7 | CAPACITOR, MICA, DIPPED: 820 pF, 5%, 500V | 3 | CM06FD821J03 | 81349 |
| C8 | Same as C1 | | | |
| C9 | Same as C1 | | | |
| C10 | Same as C1 | | | |
| C11 | Same as C6 | | | |
| C12 | Same as C7 | | | |
| C13 | Same as C1 | | | |
| C14 | Same as C1 | | | |
| C15 | Same as C6 | | | |
| C16 | Same as C7 | | | |
| C17 | Same as C1 | | | |
| C18 | CAPACITOR, MICA, DIPPED: 620 pF, 5%, 500V | 1 | CM06FD621J03 | 81349 |
| C19 | CAPACITOR, CERAMIC, DISC: .01 μ F, 20%, 500V | 2 | SM(.01 μ F, 20%) | 91418 |
| C20 | CAPACITOR, CERAMIC, DISC: 1000 pF, GMV, 500V | 2 | SM(.001 μ F, GMV) | 91418 |
| C21 | Same as C19 | | | |
| C22 | Same as C1 | | | |
| C23 | Same as C20 | | | |
| CR1 | DIODE | 2 | 1N277 | 80131 |
| CR2 | DIODE | 1 | 1N914 | 80131 |
| CR3 | Same as CR1 | | | |
| L1 | COIL, VARIABLE | 4 | 3476-25 | 14632 |
| L2 | Same as L1 | | | |
| L3 | Same as L1 | | | |
| L4 | Same as L1 | | | |
| Q1 | TRANSISTOR | 3 | 2N2708 | 81349 |
| Q2 | Same as Q1 | | | |
| Q3 | Same as Q1 | | | |

REF DESIG PREFIX A12A1

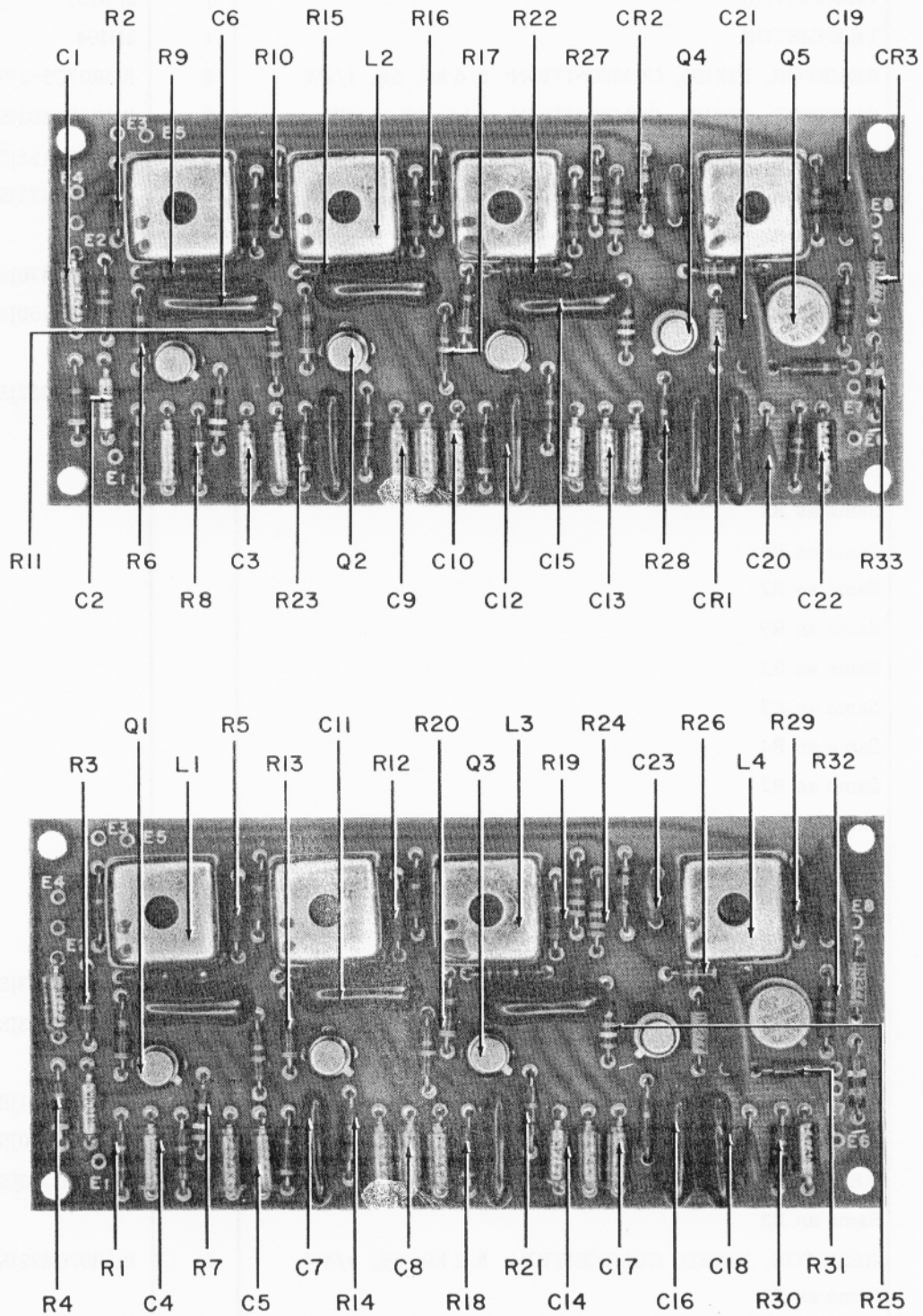


Figure 5-30. Part 13262 50 kHz Noise IF Amplifier, Component Locations