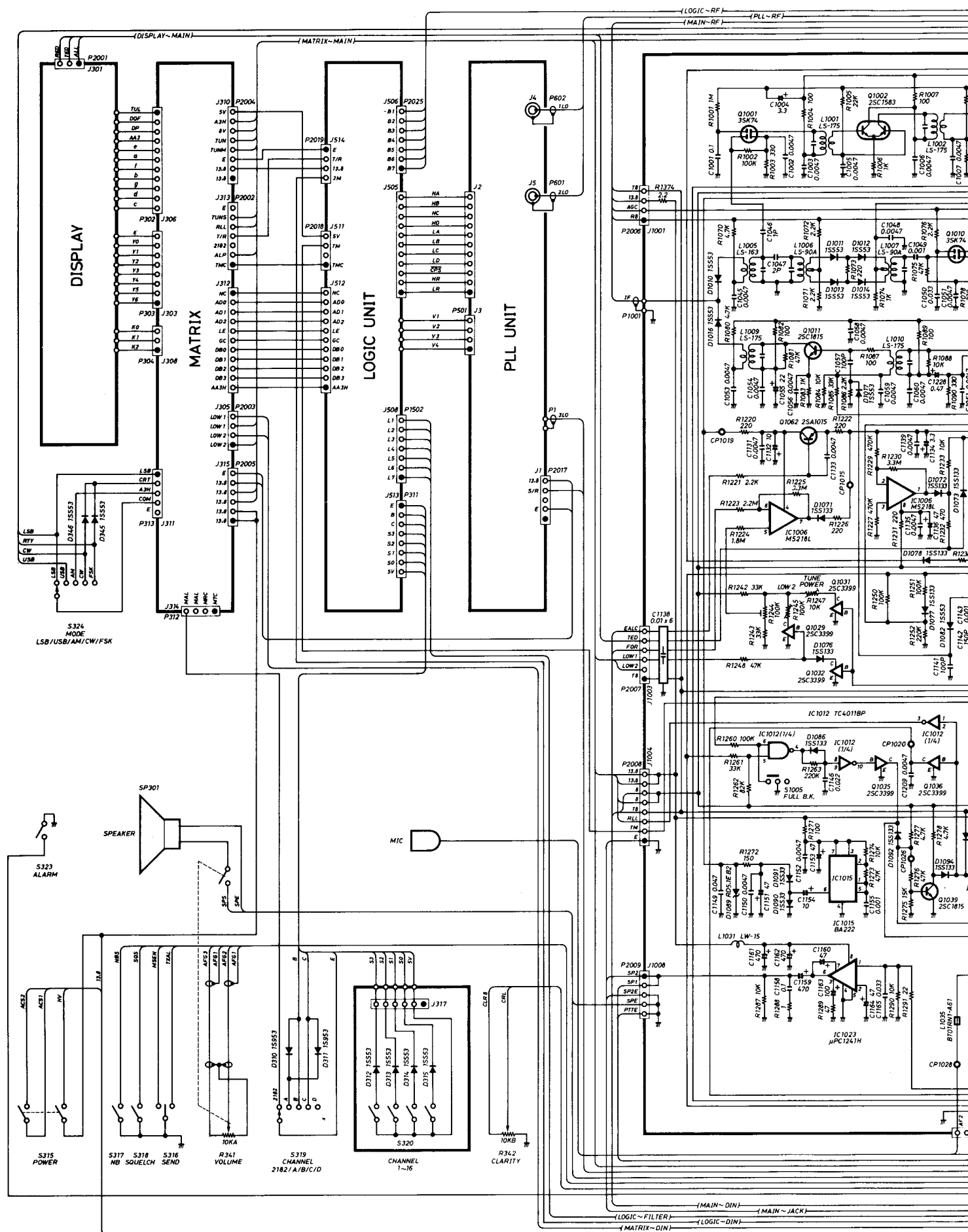


IC-M700TY SCHEMATIC DIAGRAM



The diagram is a complex electronic circuit for a portable digital frequency counter. It is divided into two main sections: the **MAIN UNIT** and the **PORTABLE UNIT**.

MAIN UNIT:

- Frequency Counter:** This section includes components like IC1001 (74LS161), IC1002 (74LS161), IC1003 (74LS161), and IC1004 (74LS161) for counting and dividing the input frequency. It also includes various resistors (R1001-R1010) and capacitors (C1001-C1010) for timing and signal conditioning.
- Frequency Divider:** This section includes components like IC1011 (74LS161), IC1012 (74LS161), and IC1013 (74LS161) for dividing the counted frequency. It also includes various resistors (R1011-R1020) and capacitors (C1011-C1020).
- Frequency-to-Digital Converter:** This section includes components like IC1021 (74LS161), IC1022 (74LS161), and IC1023 (74LS161) for converting the divided frequency into a digital signal. It also includes various resistors (R1021-R1030) and capacitors (C1021-C1030).

PORTABLE UNIT:

- Frequency Counter:** This section includes components like IC1031 (74LS161), IC1032 (74LS161), and IC1033 (74LS161) for counting and dividing the input frequency. It also includes various resistors (R1031-R1040) and capacitors (C1031-C1040).
- Frequency Divider:** This section includes components like IC1041 (74LS161), IC1042 (74LS161), and IC1043 (74LS161) for dividing the counted frequency. It also includes various resistors (R1041-R1050) and capacitors (C1041-C1050).
- Frequency-to-Digital Converter:** This section includes components like IC1051 (74LS161), IC1052 (74LS161), and IC1053 (74LS161) for converting the divided frequency into a digital signal. It also includes various resistors (R1051-R1060) and capacitors (C1051-C1060).

The diagram shows a high level of detail, with component values and pin connections clearly labeled. It is a typical example of a technical drawing for a complex electronic device.



