

## **Disk 1 — Display / Logic Interface**

### **Function:**

- Drives the 7-segment LED speed display and handles basic logic control (start/stop, latch enable, reset).

### **Main ICs:**

- MC14511CP — BCD-to-7-segment driver
- MC14553CP — BCD up counter
- MC14001CP — Quad 2-input OR gate
- MC14011CP — Quad 2-input AND gate
- MC14013CP — Dual D-type flip-flop

### **Notes:**

- Connected directly to the front-panel display and green LED indicators.
- Receives clock and blanking signals from Disk 2 (servo control).
- Provides latched display of rotational speed derived from tach feedback.
- Start/stop toggle and reset control lines feed down to the servo board.