











A4 68008 RESET

- Assert both RESET-BAR and Halt -BAR for hard reset.
- Assert for 100 ms at power-up time.
- Assert for at least 10 clock-cycles at other times.

The RESET instruction asserts the RESET-BAR pin for 124 clock-cycle. The processor does not reset but other devices do.

If the processor halts itself, it asserts HALT-BAR

7th Lecture, M. Manzke, Page: 6

2BA4 Project RESET Circuit

- ▶ Use RC circuit to provide timing delay.
- ▶ RESET Switch discharge Capacitor.
 - ▶ Not to fast! Use protection resistor.
- ▶ Use Schmitt Trigger to clean up the signal.
- ► Beware: both RESET-BAR and HALT-BAR are Pull-Down bi-directional!
 - -> Use Pull-Down Drivers.
- ► Capacitor is dangerous at Power-Down time!
 - ▶ -> Use Diode to protect it.

7th Lecture, M. Manzke, Page: 8









