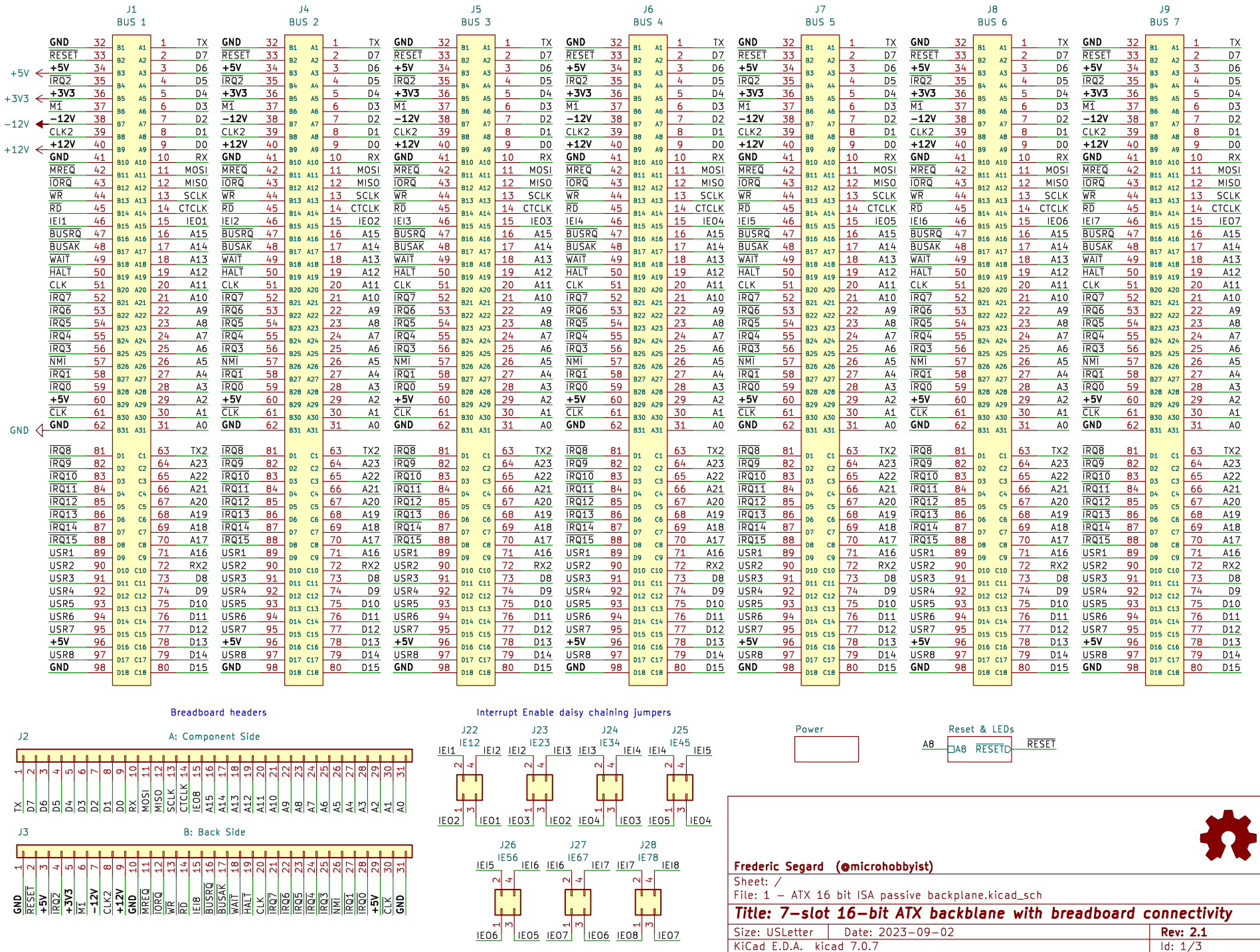
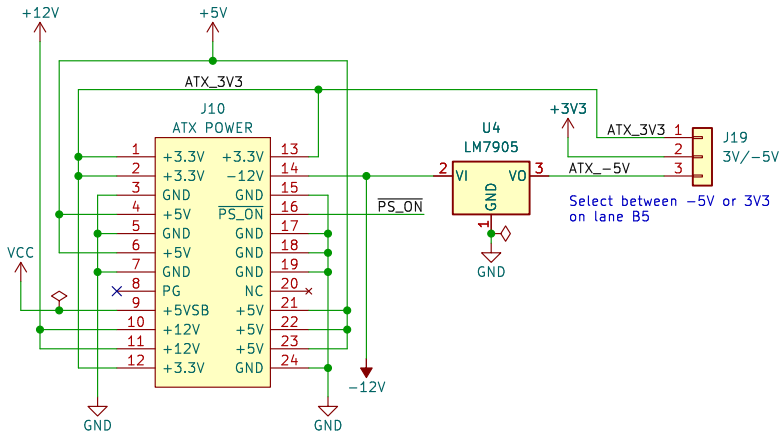
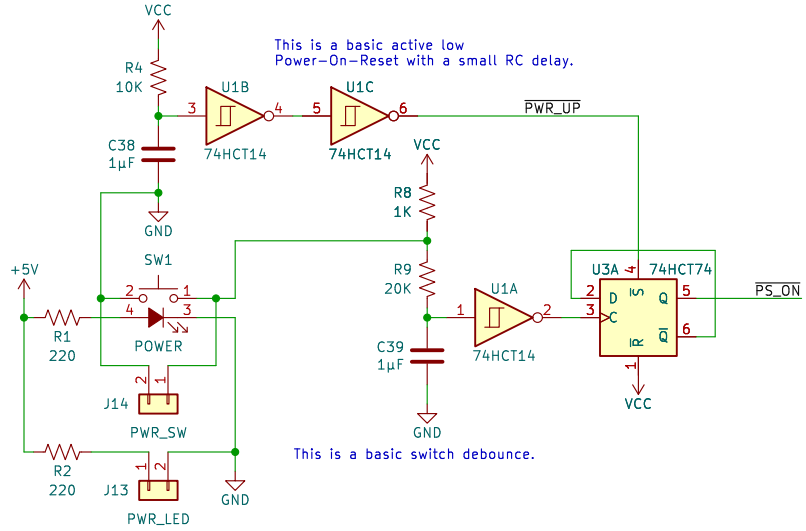

J1
BUS 1
J4
BUS 2
J5
BUS 3
J6
BUS 4
J7
BUS 5
J8
BUS 6
J9
BUS 7
+5V
+3V3
−12V
+12V
GND
Breadboard headers
J2
A: Component Side
J3
B: Back Side
Interrupt Enable daisy chaining jumpers
J22
IE12
J23
IE23
J24
IE34
J25
IE45
J26
IE56
J27
IE67
J28
IE78
Power
Reset & LEDs
A8
RESET
Frederic Segard (@microhobbyist)
Sheet: /
File: 1 – ATX 16 bit ISA passive backplane.kicad_sch
Title: 7–slot 16–bit ATX backplane with breadboard connectivity
Size: USLetter
Date: 2023-09-02
Rev: 2.1
KiCad E.D.A. kicad 7.0.7
Id: 1/3

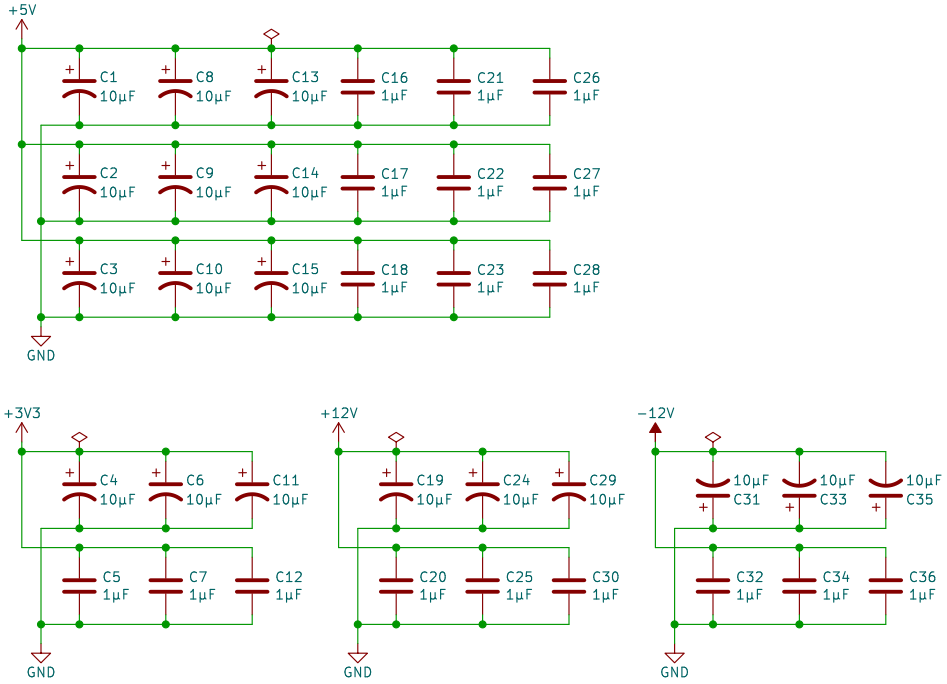
ATX POWER CONNECTOR



ATX POWER ON CIRCUIT



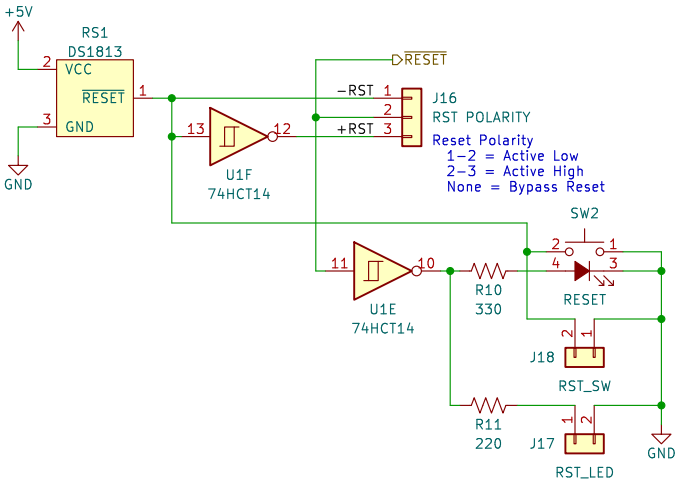
BYPASS CAPACITORS



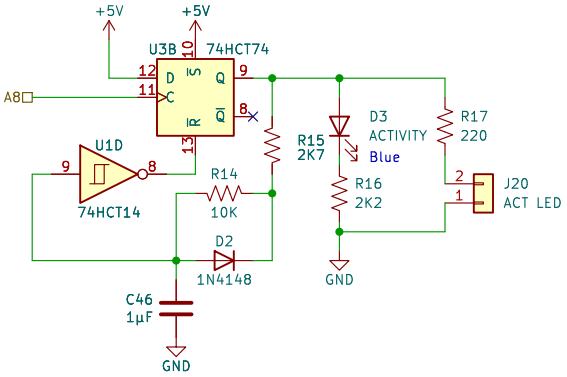
Frederic Segard (@microhobbyist)	
Sheet: /Power/	
File: SoftPower.kicad_sch	
Title: Power on circuit and BUS bypass capacitors	
Size: USLetter | Date: 2023−09−02	**Rev: 2.1**
KiCad E.D.A. kicad 7.0.7	Id: 2/3

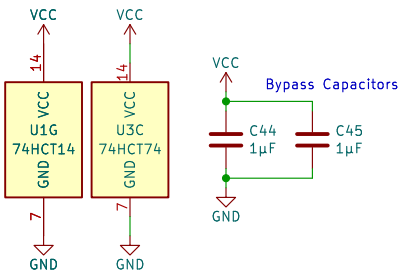
RESET CIRCUIT

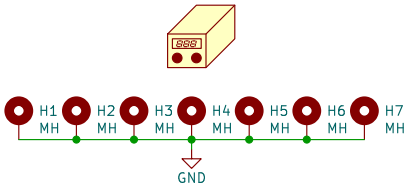
The DS1813 maintains reset for 150ms after stabalized power,
or reset button has been pressed.



CPU ACTIVITY LED







Frederic Segard (@microhobbyist)

Sheet: /Reset & LEDs/
File: ResetCircuit.kicad_sch

Title: Reset and CPU activity circuits

Size: USLetter	Date: 2023-09-02	**Rev: 2.1**
KiCad E.D.A. kicad 7.0.7		Id: 3/3