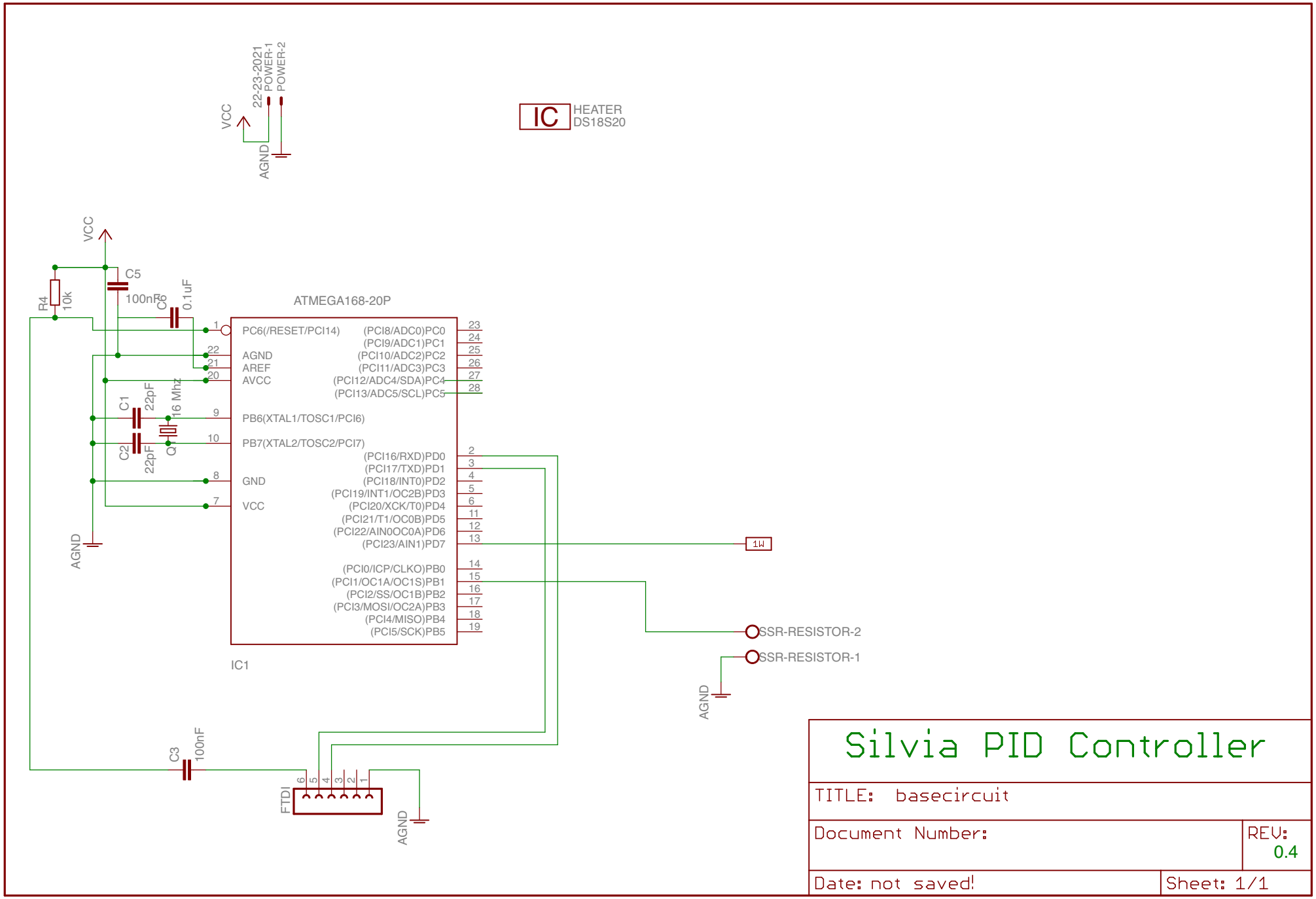
22-23-2021
POWER-1
POWER-2
VCC
AGND
IC
HEATER
DS18S20
ATMEGA168-20P
PC6(/RESET/PCI14)
AGND
AREF
AVCC
PB6(XTAL1/TOSC1/PCI6)
PB7(XTAL2/TOSC2/PCI7)
GND
VCC
(PCI8/ADC0)PC0
(PCI9/ADC1)PC1
(PCI10/ADC2)PC2
(PCI11/ADC3)PC3
(PCI12/ADC4/SDA)PC4
(PCI13/ADC5/SCL)PC5
(PCI16/RXD)PD0
(PCI17/TXD)PD1
(PCI18/INT0)PD2
(PCI19/INT1/OC2B)PD3
(PCI20/XCK/T0)PD4
(PCI21/T1/OC0B)PD5
(PCI22/AIN0OC0A)PD6
(PCI23/AIN1)PD7
(PCI0/ICP/CLKO)PB0
(PCI1/OC1A/OC1S)PB1
(PCI2/SS/OC1B)PB2
(PCI3/MOSI/OC2A)PB3
(PCI4/MISO)PB4
(PCI5/SCK)PB5
IC1
R4
10k
C5
100nF
C6
0.1uF
C1
22pF
C2
22pF
16 Mhz
Q1
1W
SSR-RESISTOR-2
SSR-RESISTOR-1
C3
100nF
FTDI
Silvia PID Controller
TITLE: basecircuit
Document Number:
REV: 0.4
Date: not saved!
Sheet: 1/1