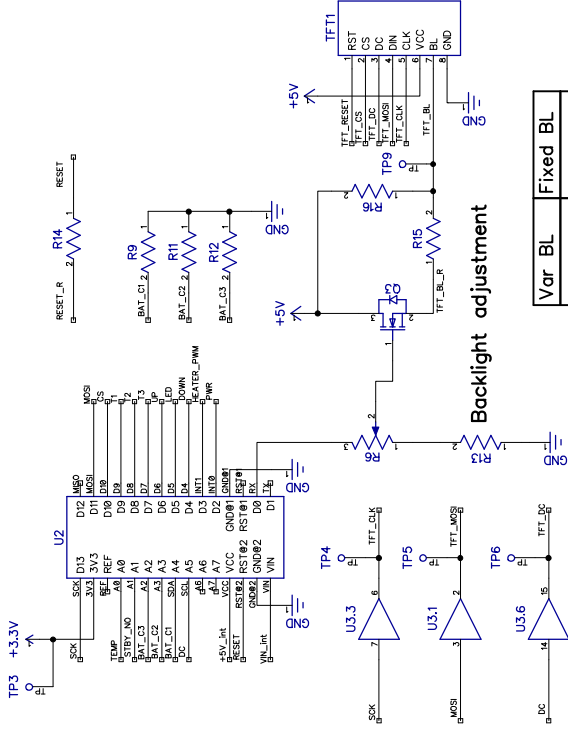
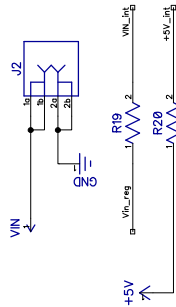


Arduino Nano

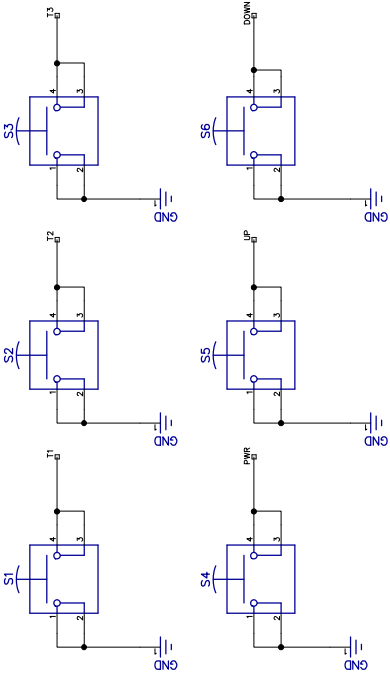


+12 power connector



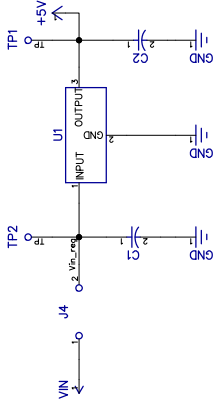
Arduino Nano power options

Int Reg of U2	Ext Reg U1
R19=0	R19=NE
R20=NE	R20=0



Refdes	Description
S1	Temp1 set
S2	Temp2 set
S3	Temp3 set
S4	Power
S5	Up
S6	Down

J4 Breakout jumper



+5V regulator

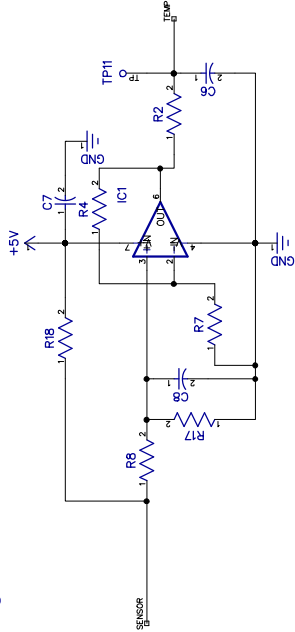
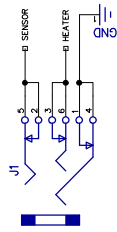
provide cooling area of at least 1 sq inch for U1

Level shifter

Standby switch option

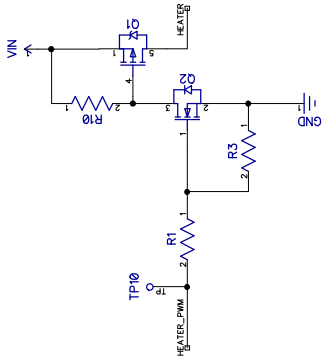
Soldering station - control / display		
Size	Number	Rev
		1
Date 2016/11/02		Drawn by Nestler
Filename		Sheet 1

Solder iron connector



Temp sensor amplifier
(noise sensitive)

PWM power control
(noise emitter)



Soldering station - power ctrl / temp sense			
Size	Number	Rev	
		1	
Date	2016/11/02	Drawn by	Nestler
Filename		Sheet	2