

A

B

C

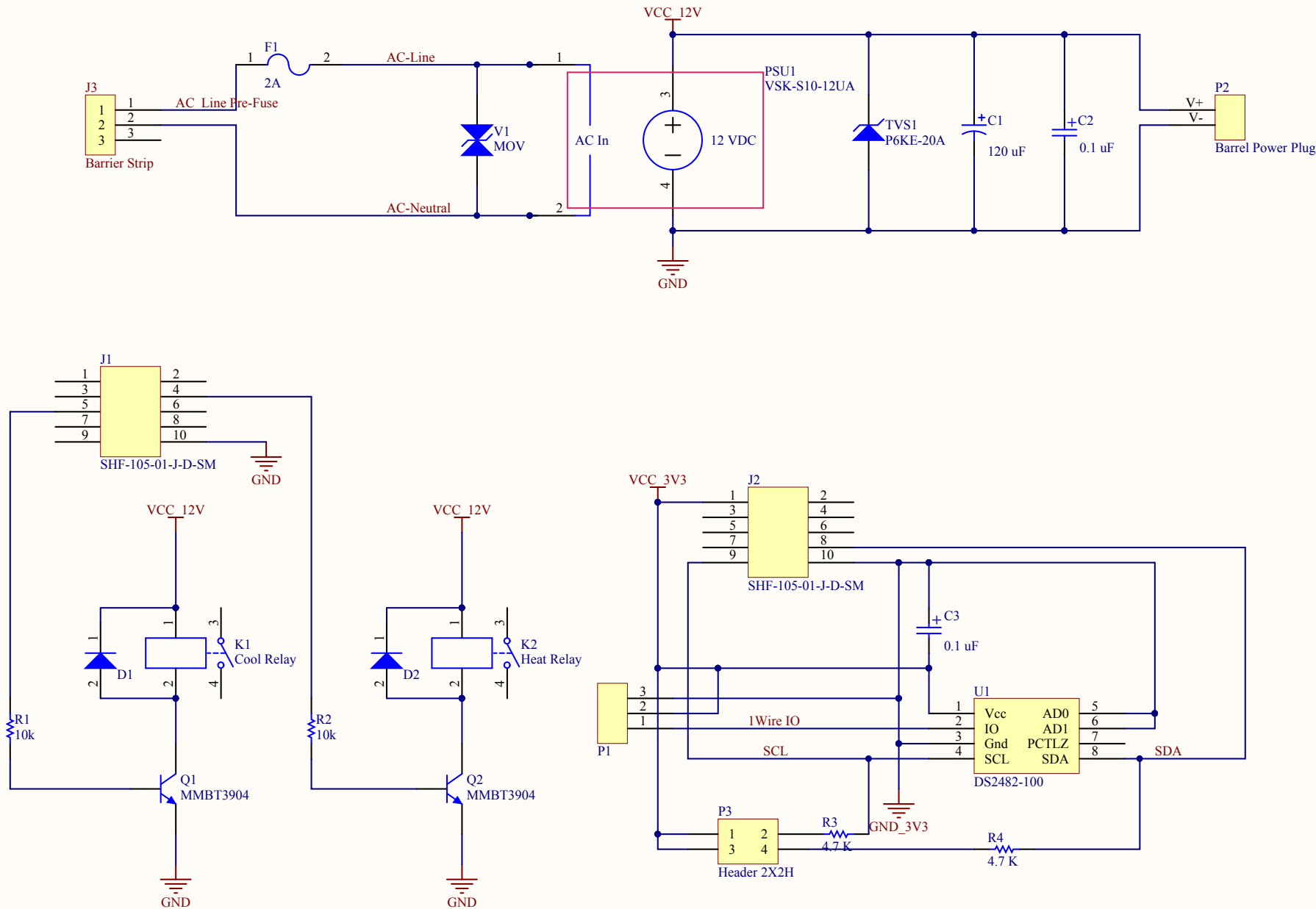
D

A

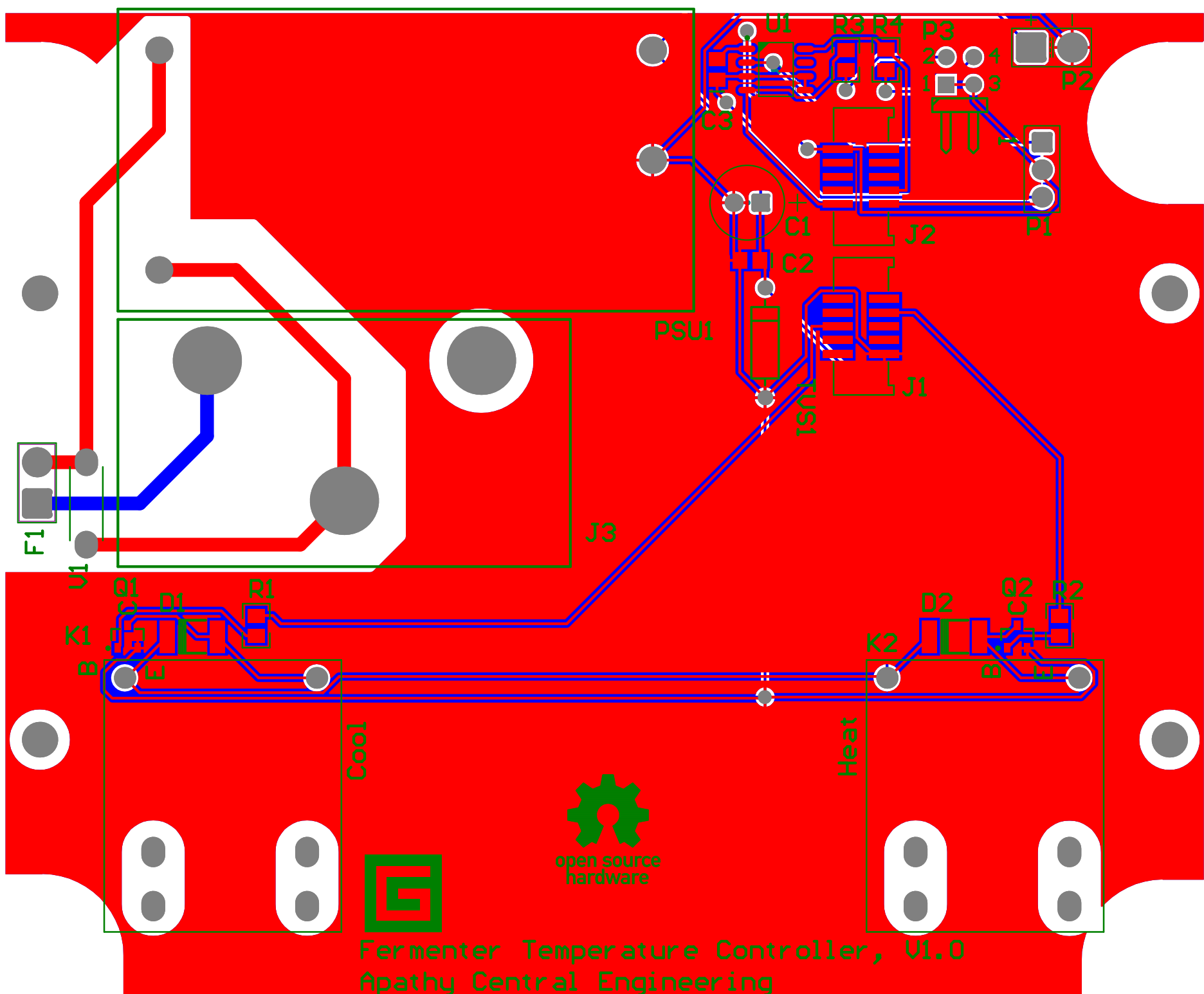
B

C

D



Title		
Size	Number	Revision
A		
Date:	2/20/2014	Sheet of
File:	C:\Users\...\TemperatureController.SchDoc	Drawn By:



Bill of Materials

Fermentor Temperature Controller

Source Data From: TemperatureController.PrjPcb
 Project: TemperatureController.PrjPcb
 Variant: None

Creation Date: 2/20/2014 3:42:21 PM
 Print Date: 41690 41690.65447

Footprint	Comment	LibRef	Designator	Description	Quantity
CAPAxial680 X1220_VERT 0805 [2012]	Capacitor, Polarized Axial Bypass Cap	Capacitor, Polarized Axial Bypass Capacitor	C1	120 uF Aluminum Electrolytic Capacitor (Axial)	1
			C2, C3	0.1 uF Capacitor SMD 0805	2
Diode (3mm X 1mm X 4.65mm) SMD	SMD Diode	Diode	D1, D2	Diode, SMD, 0805	2
Off Board Connector	Panel Mount Fuze	Panel Mount Fuse Holder	F1	Panel Mount Fuze Holder	1
Samtec SHF- 105-01-J-D- SM	SHF-105-01-J-D- SM	SHF-105-01-J-D- SM	J1, J2	Samtec 10 pin .050 pitch shrouded connector	2
Molex 3 Pos Barrier Strip	Barrier Strip	Molex 3 Pos Barrier Strip	J3	Molex 3 Pos Barrier Strip	1
Omron G5CA- 1A-TP	Cool Relay	G5CA-1A-TP-E	K1	Omron G5CA-1A-TP-E PCB Mount 12 V Relay with 15A contacts	1
Omron G5CA- 1A-TP	Heat Relay	G5CA-1A-TP-E	K2	Omron G5CA-1A-TP-E PCB Mount 12 V Relay with 15A contacts	1
1x3 Pos Header	1x3 Header	1x3 Header	P1	Fan Connector Header, Single-row 3- position, 0.100" pitch	1
Power Plug	Barrel Power Plug	Barrel Plug	P2	Power Plug	1
HDR2X2H VSK-S10- 12UA	Header 2X2H VSK-S10-12UA	Header 2X2H VSK-S10-12UA	P3	Header, 2-Pin, Dual row, Right Angle	1
			PSU1	AC/DC 12V Sealed PCB Mount Power Supply	1
SOT-23 RES_0805	MMBT3904 10k	MMBT3904 RES 0805	Q1, Q2	NPN General Purpose Amplifier	2
RES_0805	4.7 K	RES 0805	R1, R2		2
DIODE Axial 400 mil	P6KE-20A	TVS Diode	R3, R4		2
			TVS1	Diode, TVS, Axial	1
DS2482-100 Varistor_7.62 and10mm	DS2482-100 MOV	DS2482 MOV	U1	I2C to 1-Wire Bridge, SO(150mil)	1
			V1	Metal Oxide Varistor	1

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Approved Notes
