

Bill of Materials

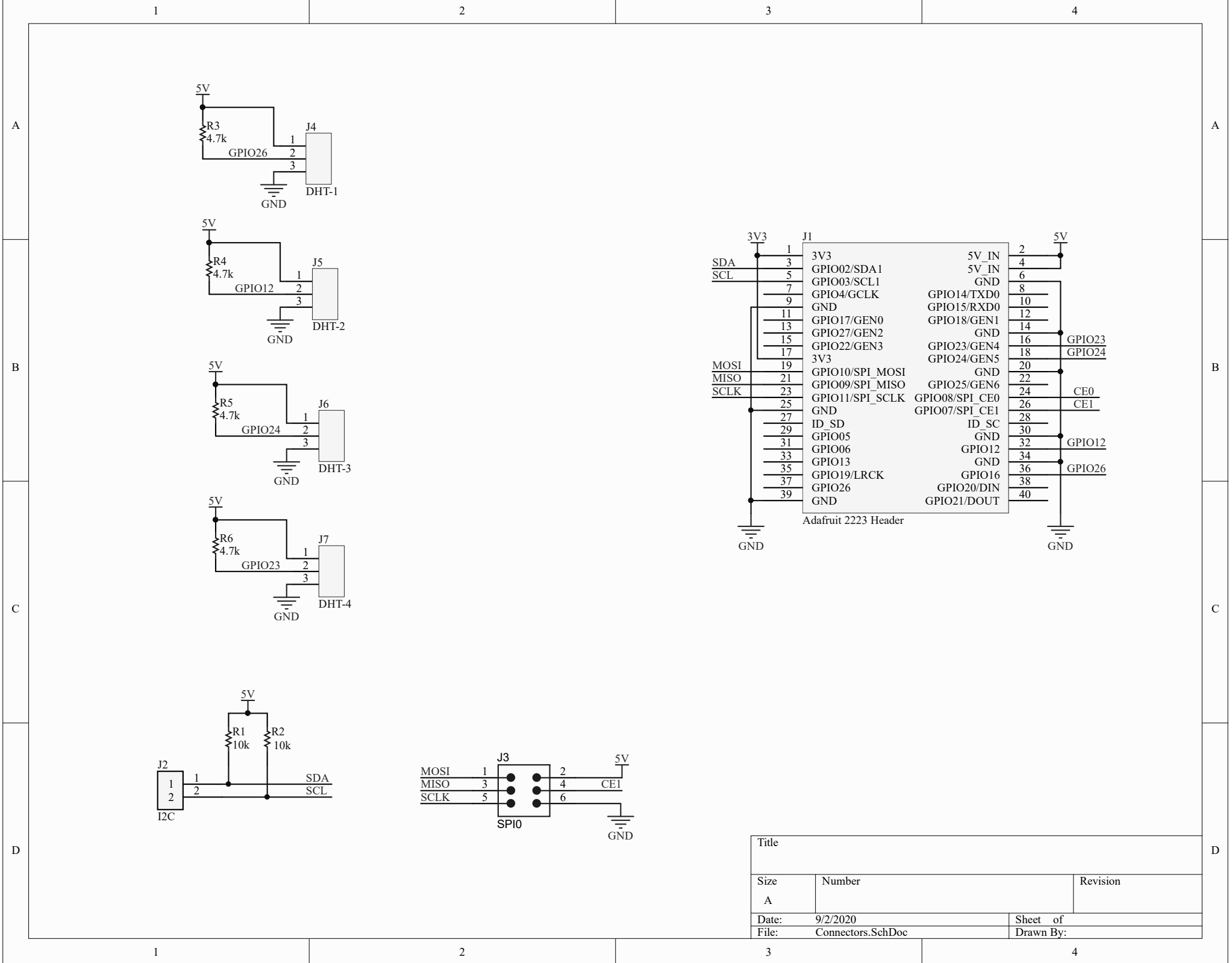
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Source Data From: Automatic Plant Controller.PrjPcb
Project: Automatic Plant Controller.PrjPcb
Variant: None

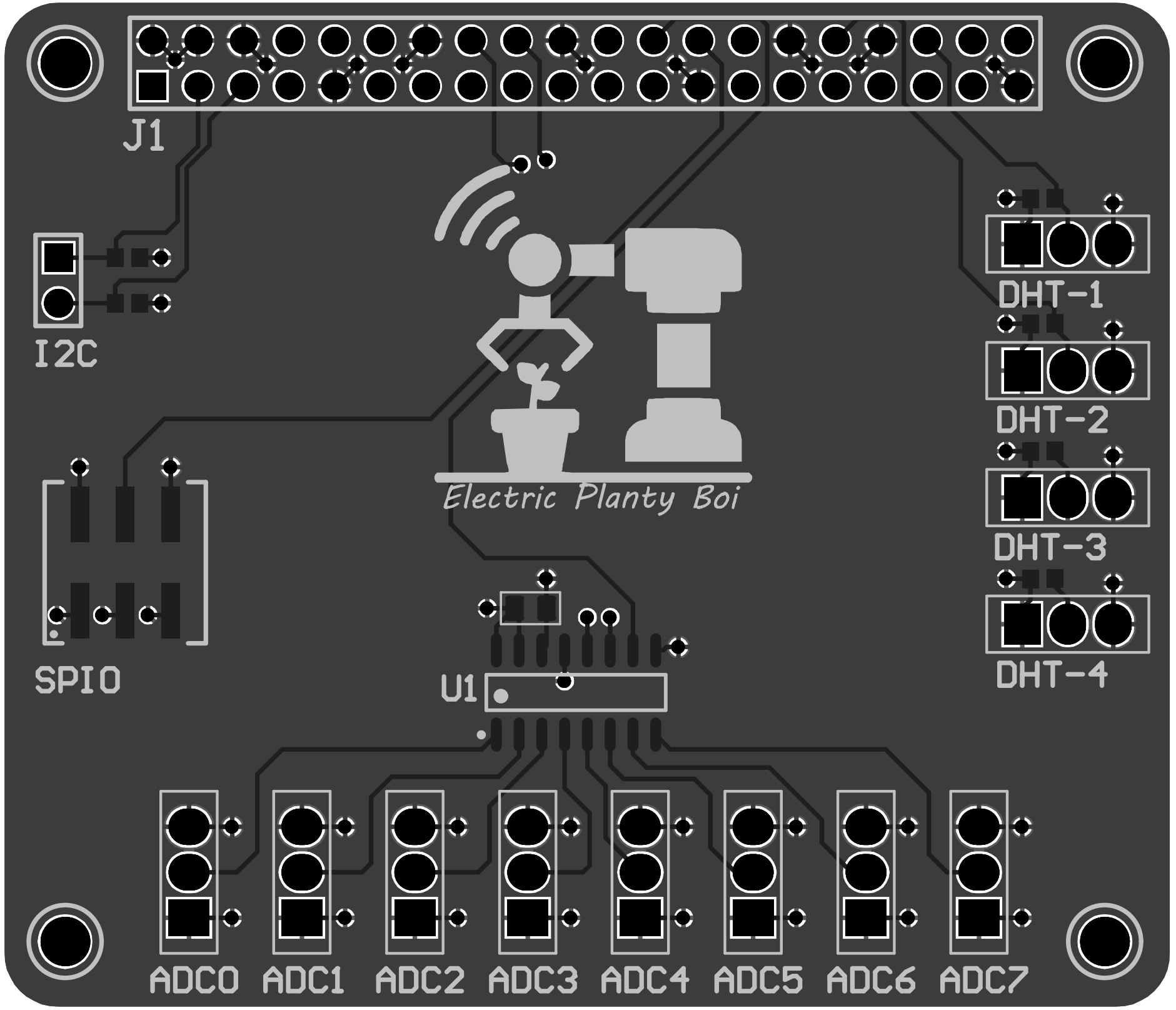
Creation Date: 9/2/2020 10:57:32 PM
Print Date: 02-Sep-20 10:57:37 PM

#Column Name	Comment	#Column Name E	Designator	Description	Quantity
	1uF		C1	0805 1 uF 25 V ±10 % Tolerance X7R SMT Multilayer Ceramic Capacitor	1
	Adafruit 2223 Header I2C		J1	GPIO Stacking Header for Pi A+/B+/Pi 2/Pi 3 - Extra-long 2x20 Pins	1
			J2	Board-To-Board Connector, Right Angle, WR-PHD Series, Through Hole, Header, 2, 2.54 mm	1
	SPI0		J3	Board-To-Board Connector, WR-PHD Series, Surface Mount, Header, 6, 2.54 mm, Gold Plated Contacts	1
	DHT-1		J4	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	DHT-2		J5	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	DHT-3		J6	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	DHT-4		J7	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	ADC0		J8	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	ADC4		J9	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	ADC1		J10	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	ADC5		J11	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	ADC2		J12	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	ADC6		J13	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	ADC3		J14	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	ADC7		J15	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	1
	10k		R1, R2	Res, AEC-Q200, Thick Film, 10K, 5%, 0603	2
	4.7k		R3, R4, R5, R6	Res Thin Film 0603 4.7K Ohm 1% 1/10W ±50ppm/°C Molded SMD SMD Paper T/R	4
	MCP3008T-I/SL		U1	2.7V 4-Channel/8-Channel 10-Bit A/D Converters with SPI Serial Interface, 16-Pin SOIC 150mil, Industrial Temperature, Tape and Reel	1
					23

Approved Notes



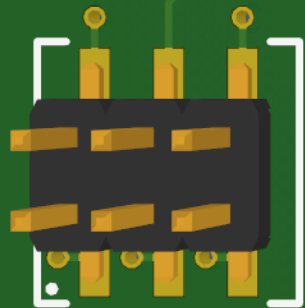
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Size	Number	Revision
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Date:	9/2/2020	Sheet of
File:	Connectors.SchDoc	Drawn By:



J1



I2C



SPI0



U1



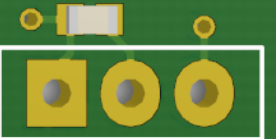
DHT-1



DHT-2



DHT-3



DHT-4

ADC0

ADC1

ADC2

ADC3

ADC4

ADC5

ADC6

ADC7