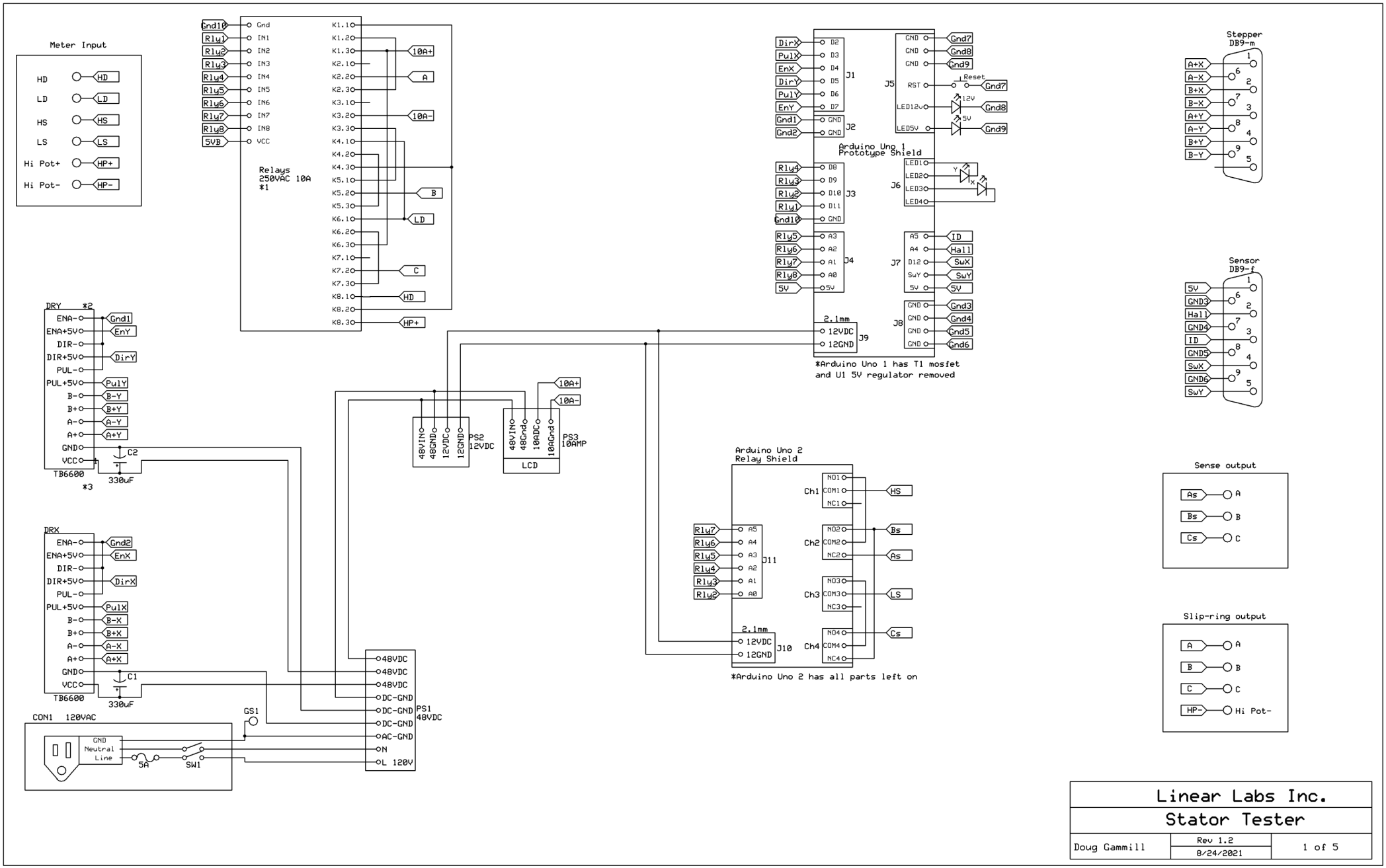
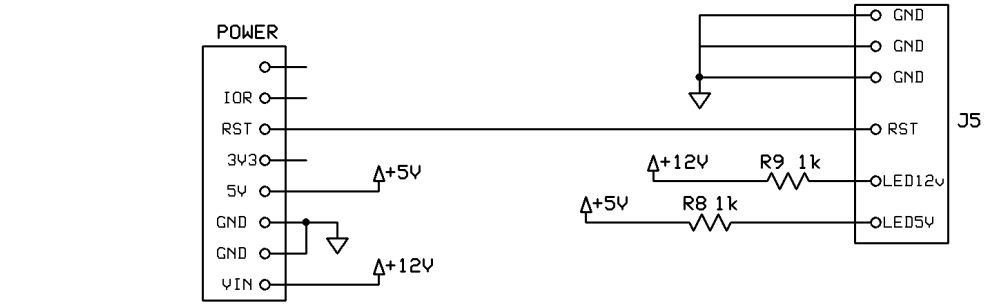
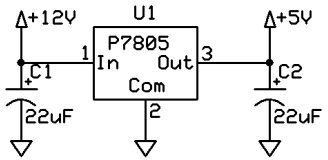
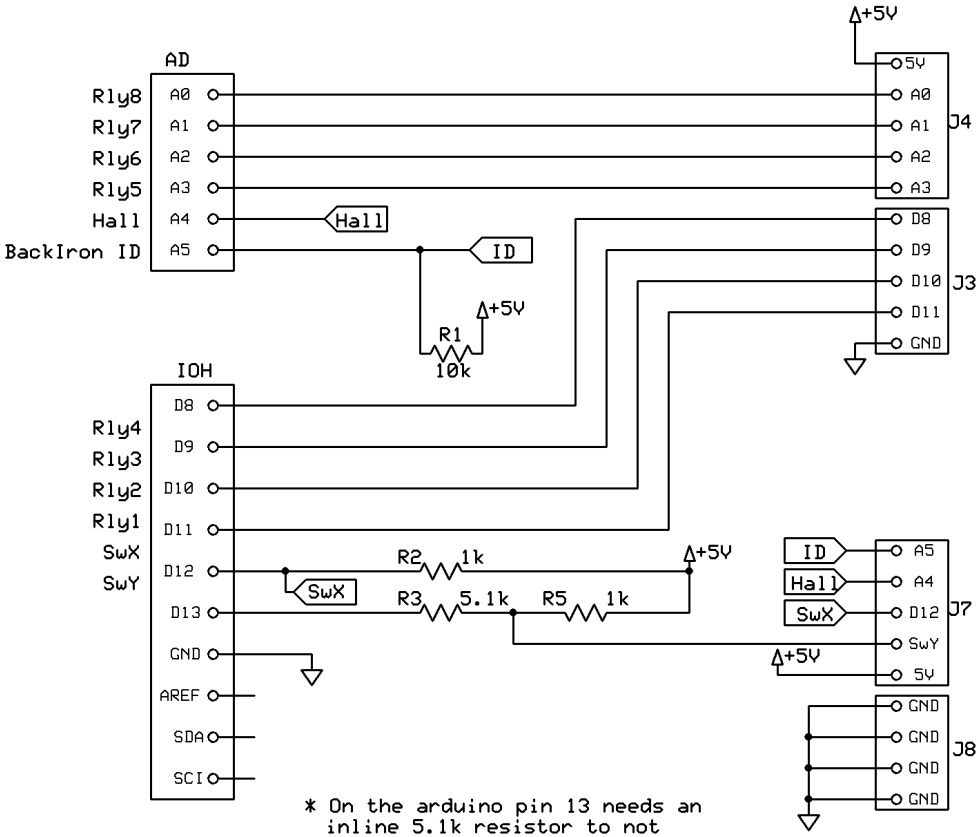
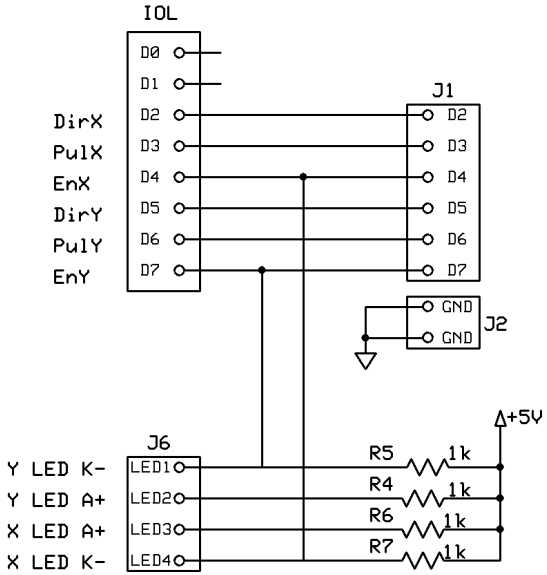

Meter Input
HD
LD
HS
LS
Hi Pot+
Hi Pot-
Relays
250VAC 10A
*1
Arduino Uno 1
Prototype Shield
*Arduino Uno 1 has T1 mosfet
and U1 5V regulator removed
Stepper
DB9-m
Sensor
DB9-f
DRY
TB6600
DRX
TB6600
330uF
330uF
PS1
48VDC
PS2
12VDC
PS3
10AMP
LCD
Arduino Uno 2
Relay Shield
*Arduino Uno 2 has all parts left on
Sense output
Slip-ring output
CON1
120VAC
GND
Neutral
Line
5A
SW1
GS1
Linear Labs Inc.
Stator Tester
Doug Gammill
Rev 1.2
8/24/2021
1 of 5









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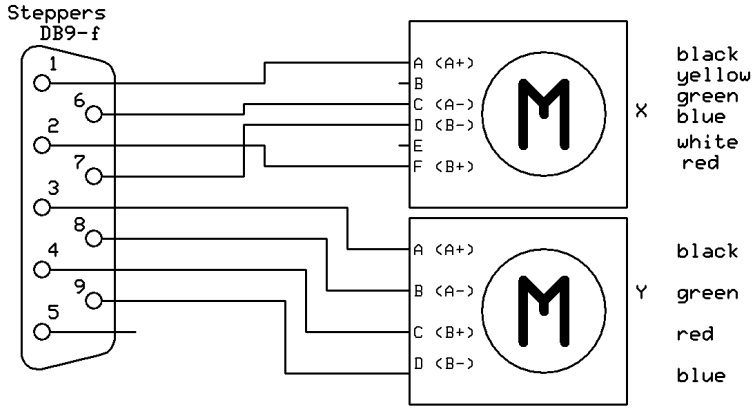
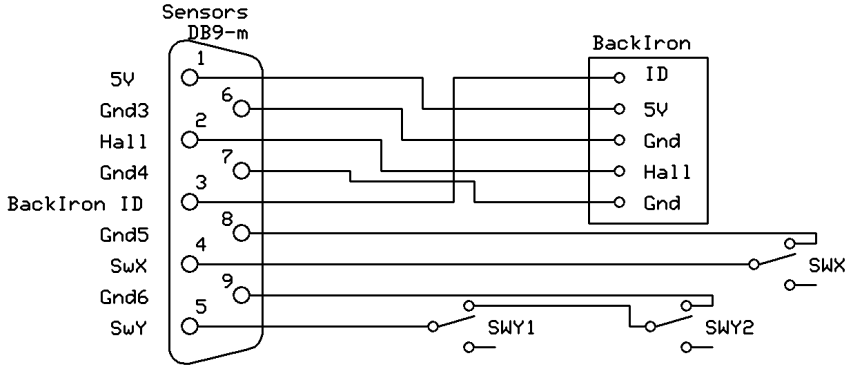
Arduino Prototype Sheild

Doug Gammill	Rev 1.2 8/24/2021	2 of 5





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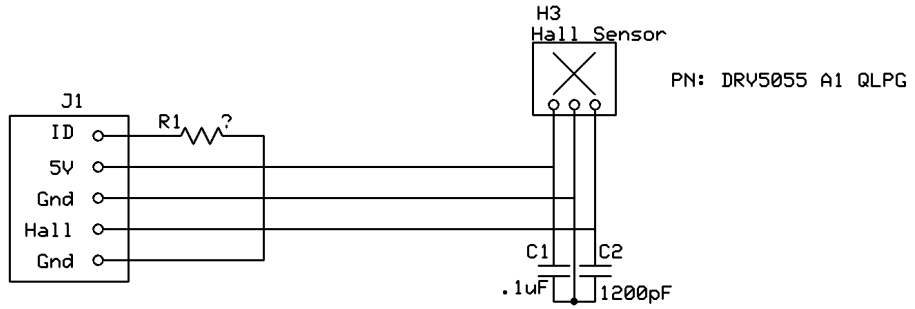
Steppers / Sensors		
Doug Gammill	Rev 1.2 8/24/2021	3 of 5

ID Resistor

Ohm	PN	ADC	Volt
open	fail	100	5V
0ohm	B2	0	0V
10k	B3	50	2.5V



*ID resistor tells computer which back iron is installed.
*An open across ID and GND will be a failure

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Back Iron		
Doug Gammill	Rev 1.1 8/24/2021	4 of 5

*1 Relay Functions

0=OFF
1=ON

	Relays	1	2	3	4	5	6	7	8
	Hi Pot Test	0	1	0	0	0	0	0	1
A to B	LCR Induction / Resistance Test	0	1	0	0	1	0	0	0
A to C	LCR Induction / Resistance Test	0	1	0	0	0	0	1	0
B to C	LCR Induction / Resistance Test	0	0	0	1	1	0	1	0
	A to B Flux Test	1	1	1	0	0	0	0	0
	C to B Flux Test	0	0	1	0	0	1	1	0

*To safely turn on relays always start with lowest number first and highest number last.

*To safely turn off relays always start with highest number first and lowest number last.

*2 DRX DIP Switches

0=OFF
1=ON

SW1	SW2	SW3	SW4	SW5	SW6
1	1	0	0	1	1

Single Stepping

*3 DRY DIP Switches

0=OFF
1=ON

SW1	SW2	SW3	SW4	SW5	SW6
1	0	0	1	1	1

micro stepping x4

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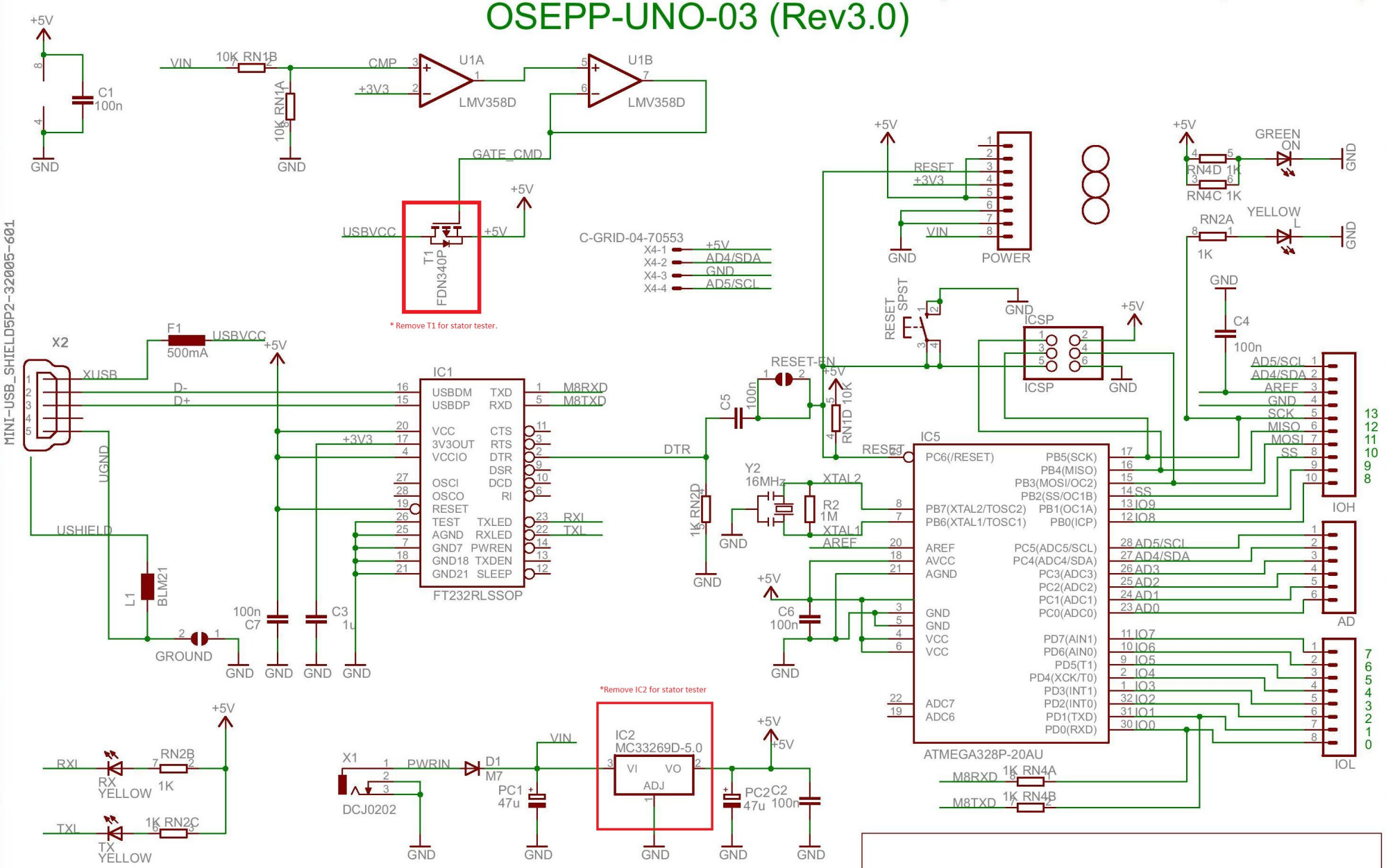
Notes		
Doug Gammill	Rev 1.2 8/24/2021	5 of 5

OSEPP Uno R3 Plus (Arduino Compatible)

OSEPP-UNO-03 (Rev3.0)



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