

J15 Connector

1 GND	2 X-Axis End of Travel Lim Sw
3 X-Axis Home Limit Switch	4 Y-Axis End of Travel Lim Sw
5 Y-Axis Home Limit Switch	6 Z-Axis End of Travel Lim Sw
7 Z-Axis Home Limit Switch	8 Print Bead Touch Pr Lim Sw
9 GND	10 N/C? (Probe Pt 10)
11 Chamber Heater Enable	12 LED Lights Enable
13 Door Solenoid Enable	14 Door Switch
15 Print Bed Touch Pr Pwr En	16 Power Enable
17 GND	18 Extruder Model Heater En
19 Extr Supp Heater En	20 GND
21 Power ON	22 Head Thermostat Status
23 ON/OFF Pwr Sw Signal	24 Unint Power Supply Sig
25 N/C? (Probe Pt 11)	26 N/C? (Probe Pt 12)
27 N/C? (Probe Pt 13)	28 GND
29 N/C? (Probe Pt 14)	30 N/C? (Probe Pt 15)
31 Head Type A (Uknwn Fxn)	32 Print Head Temp Alarm
33 Chamber Temp Alarm	34 GND
35 Print Head Model Therm	36 GND
37 Print Head Supp Therm	38 GND
39 Chamber Temp Therm	40 GND
41 Mat Bay Serial Data (In)	42 Mat Bay Serial Data (Out)
43 N/C? (Probe Pt 18)	44 N/C? (Probe Pt 19)
45 GND	46 GND
47 +5 V DC	48 +5 V DC
49 +12 V DC	50 +12 V DC

J14 Connector

1 GND	2 Fil Det Out (Dim Only?)
3 Fil Det In (Dim Only?)	4 Print Head Blower Enab
5 GND	6 Print Head Type B
7 J1R6	8 Print Head Model Tog Sw
9 GND	10 Print Head Supp Tog Sw
11 EEPROM MEM (SDA)	12 EEPROM Mem (SCL)
13 GND	14 J17 Spared Header
15 GND	16 GND
17 +5 V DC	18 GND
19 +12 V DC	20 GND

J13 Connector

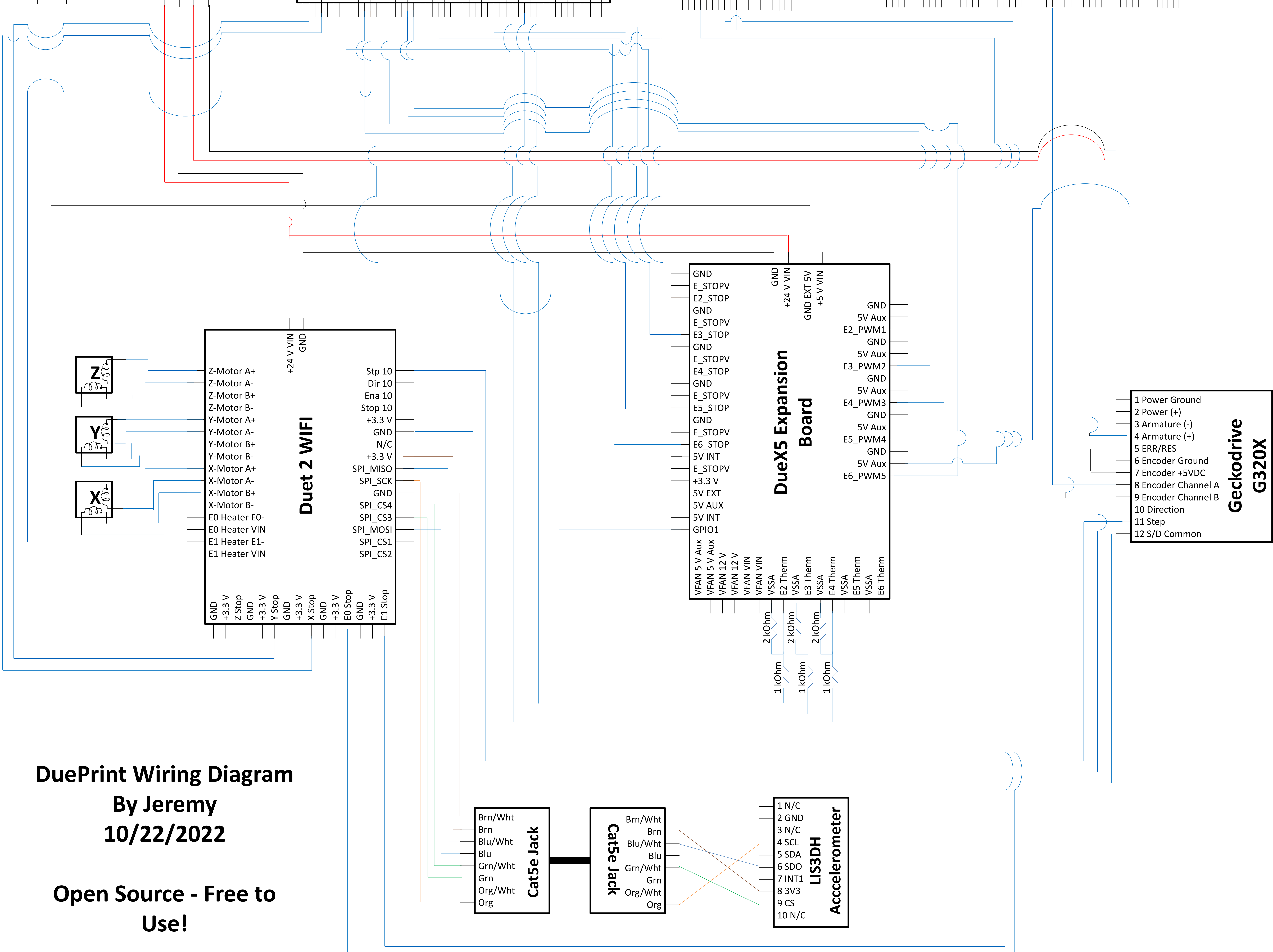
1 X-Axis Vref1	2 GND
3 X-Axis Vref 2	4 GND
5 Y-Axis Vref 1	6 GND
7 Y-Axis Vref 2	8 GND
9 Z-Axis Vref 1	10 GND
11 Z-Axis Vref 2	12 GND
13 GND	14 GND
15 N/C? (Probe pt 10)	16 GND
17 X-Axis Ph 1 PWM	18 GND
19 X-Axis Ph 2 PWM	20 GND
21 Y-Axis Ph 1 PWM	22 GND
23 Y-Axis Ph 2 PWM	24 GND
25 Z-axis Ph 1 PWM	26 GND
27 Z-axis Ph 2 PWM	28 GND
29 Extr Serv Mot Enc 1	30 GND
31 Extr Serv Mot Enc 2	32 GND
33 Extr Serv Mot PWM 1	34 GND
35 Extr Serv Mot PWM 2	36 GND
37 J1R2	38 GND
39 J1R4	40 GND
41 N/C? (Probe Pt 16)	42 GND
43 N/C? (Probe Pt 17)	44 GND
45 Motor Enab	46 GND
47 +5 V DC	48 +5 V DC
49 +12 V DC	50 +12 V DC

5/12V PS

+5 V VOUT
GND
+12 V VOUT
GND

24V PS

+24 V VOUT
GND
+24 V VOUT
GND



Duet 2 WiFi

Z-Motor A+	Z-Motor A-	Z-Motor B+	Z-Motor B-	Y-Motor A+	Y-Motor A-	Y-Motor B+	Y-Motor B-	X-Motor A+	X-Motor A-	X-Motor B+	X-Motor B-	E0 Heater E0-	E0 Heater VIN	E1 Heater E1-	E1 Heater VIN
Stp 10	Dir 10	Ena 10	Stop 10	+3.3 V	GND	N/C	+3.3 V	SPI_MISO	SPI_SCK	GND	SPI_CS4	SPI_CS3	SPI_MOSI	SPI_CS1	SPI_CS2
GND	+3.3 V	Z Stop	GND	+3.3 V	Y Stop	GND	+3.3 V	X Stop	GND	+3.3 V	E0 Stop	GND	+3.3 V	E1 Stop	GND

DueX5 Expansion Board

GND	E_STOPV	E2_STOP	E_STOPV	E3_STOP	GND	E_STOPV	E4_STOP	E_STOPV	E5_STOP	GND	E_STOPV	E6_STOP	5V INT	E_STOPV	+3.3 V	5V EXT	5V AUX	5V INT	GPIO1
VFAN 5 V Aux	VFAN 5 V Aux	VFAN 12 V	VFAN VIN	VFAN VIN	VSSA	E2 Therm	VSSA	E3 Therm	VSSA	E4 Therm	VSSA	E5 Therm	VSSA	E6 Therm	VSSA	VSSA	VSSA	VSSA	VSSA
1 kOhm	2 kOhm	2 kOhm	1 kOhm	2 kOhm	2 kOhm	1 kOhm	2 kOhm	2 kOhm	1 kOhm	2 kOhm	2 kOhm	1 kOhm	2 kOhm	2 kOhm	1 kOhm	2 kOhm	2 kOhm	1 kOhm	2 kOhm

Geckodrive G320X

1 Power Ground	2 Power (+)	3 Armature (-)	4 Armature (+)	5 ERR/RES	6 Encoder Ground	7 Encoder +5VDC	8 Encoder Channel A	9 Encoder Channel B	10 Direction	11 Step	12 S/D Common
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DuePrint Wiring Diagram
By Jeremy
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