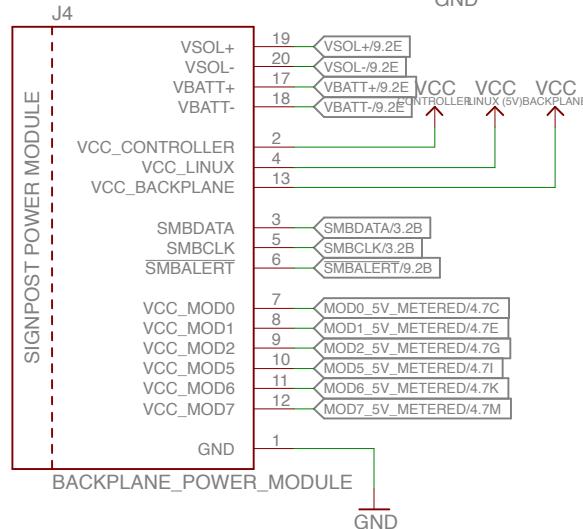
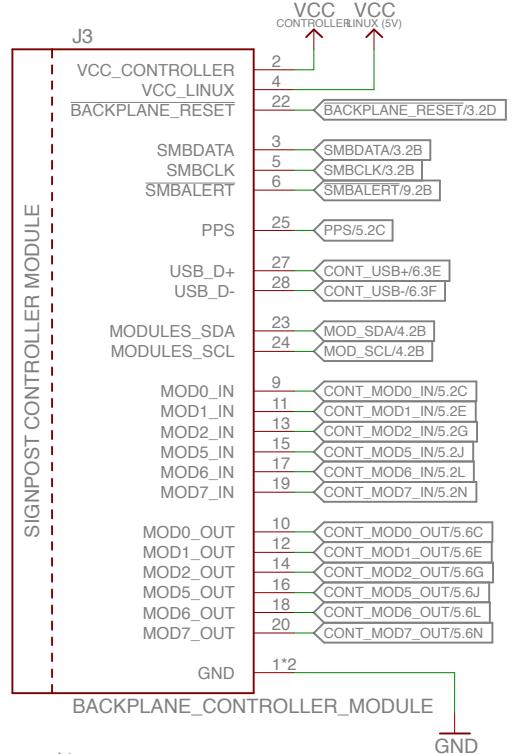
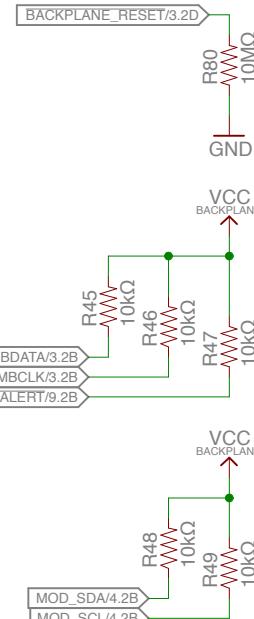


M

Special Modules



Pull-up/downs



!!! Placeholder until Josh gets real connectors !!!

M Signpost Backplane

Author: Pat Pannuto

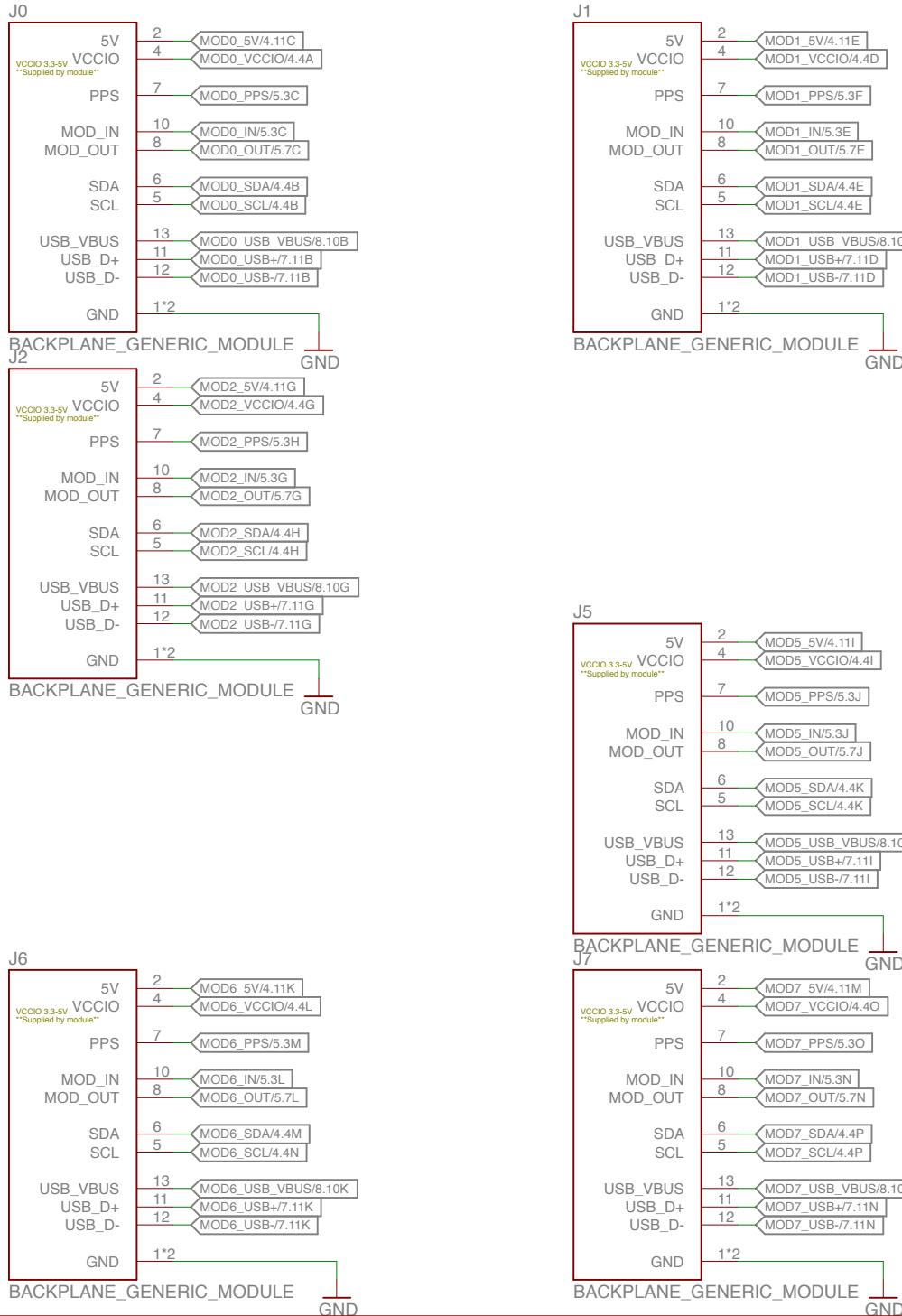
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REV:

A

Sheet: 1/9

Generic Modules



M Signpost Backplane

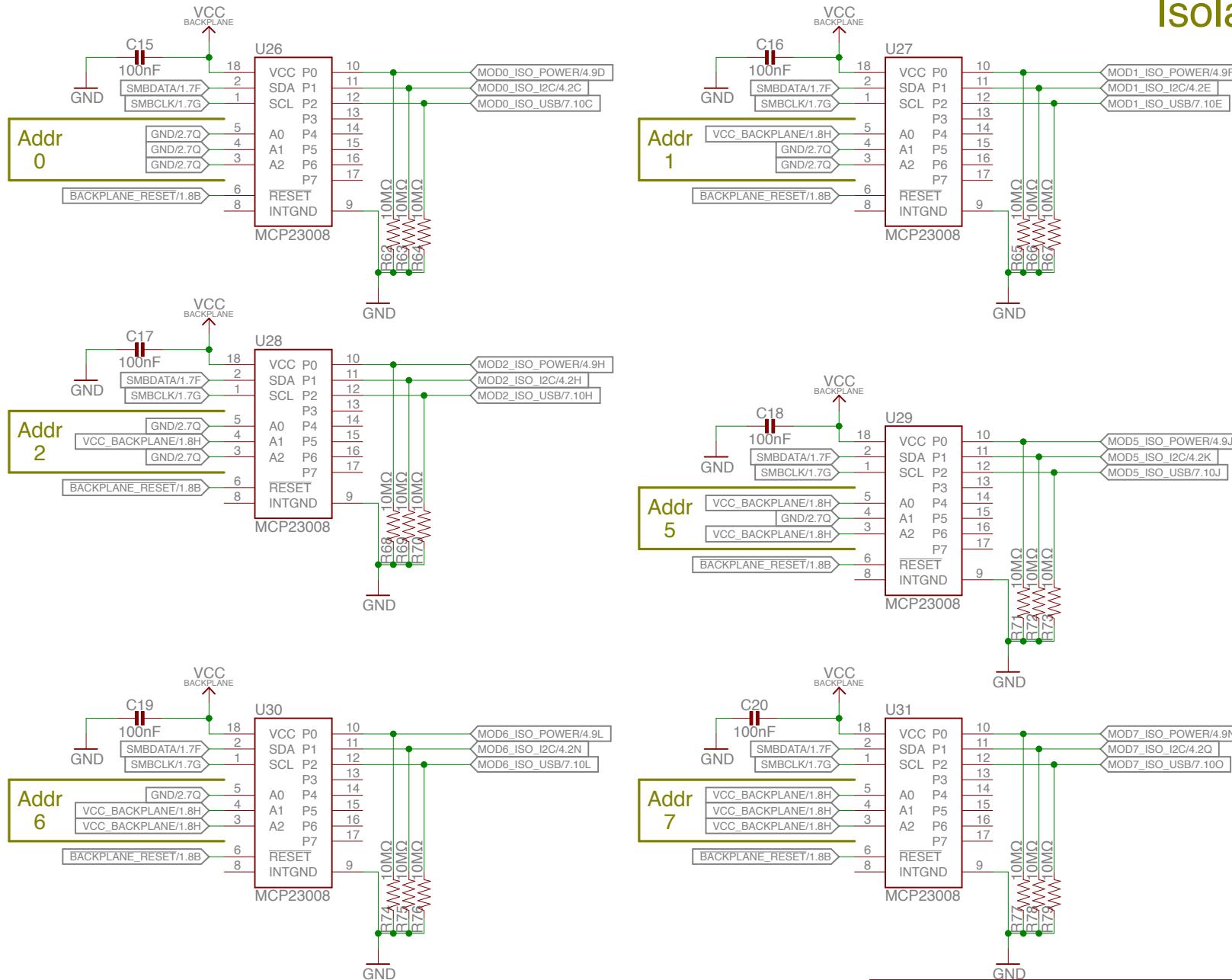
Author: Pat Pannuto

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Sheet: 2/9

Isolation Control



M Signpost Backplane

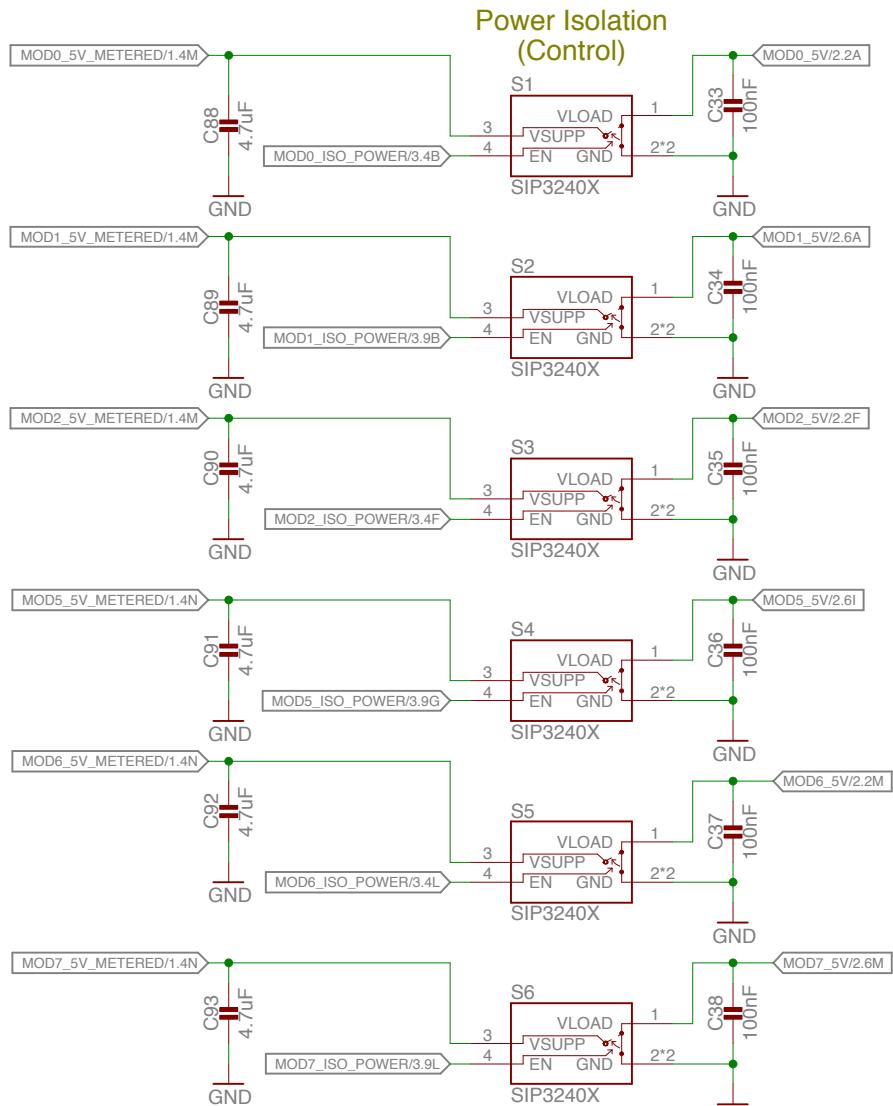
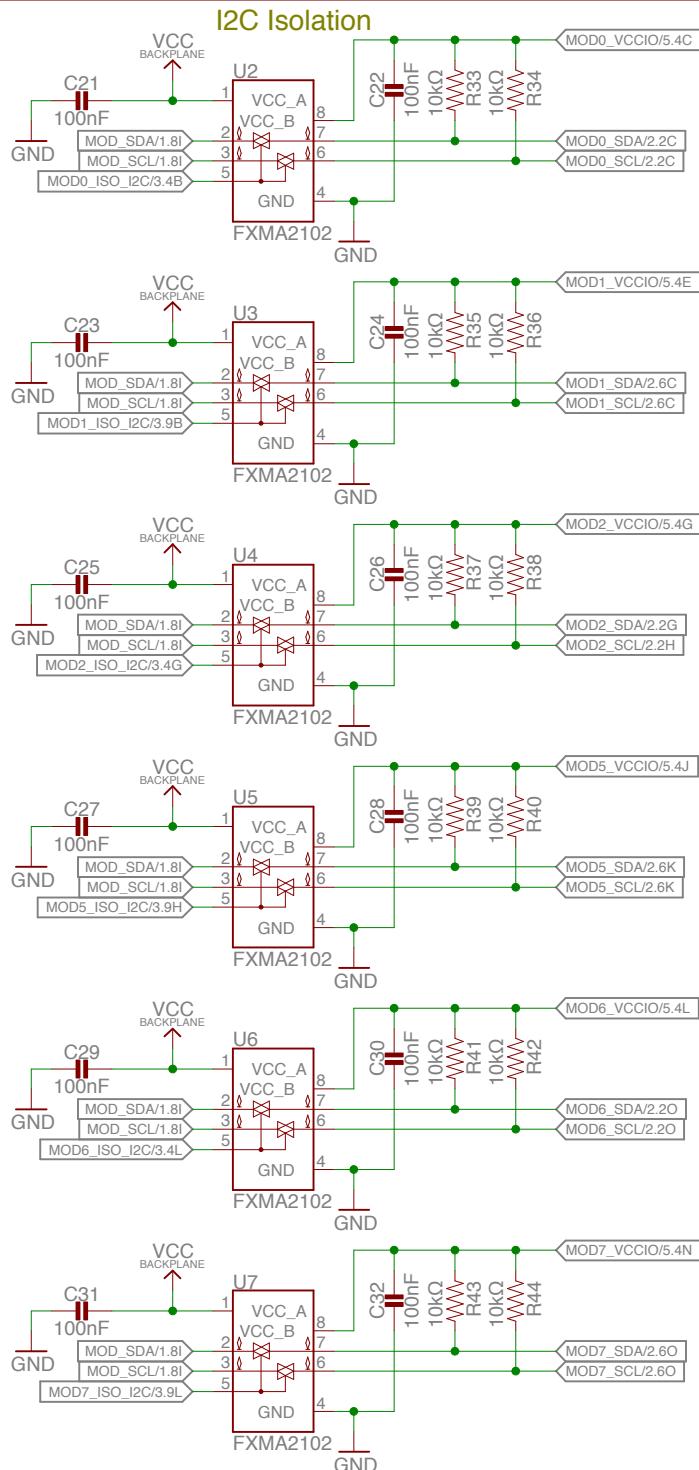
Author: Pat Pannuto

Date: 8/20/16 00:13

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Sheet: 3/9

Module Isolation



M Signpost Backplane

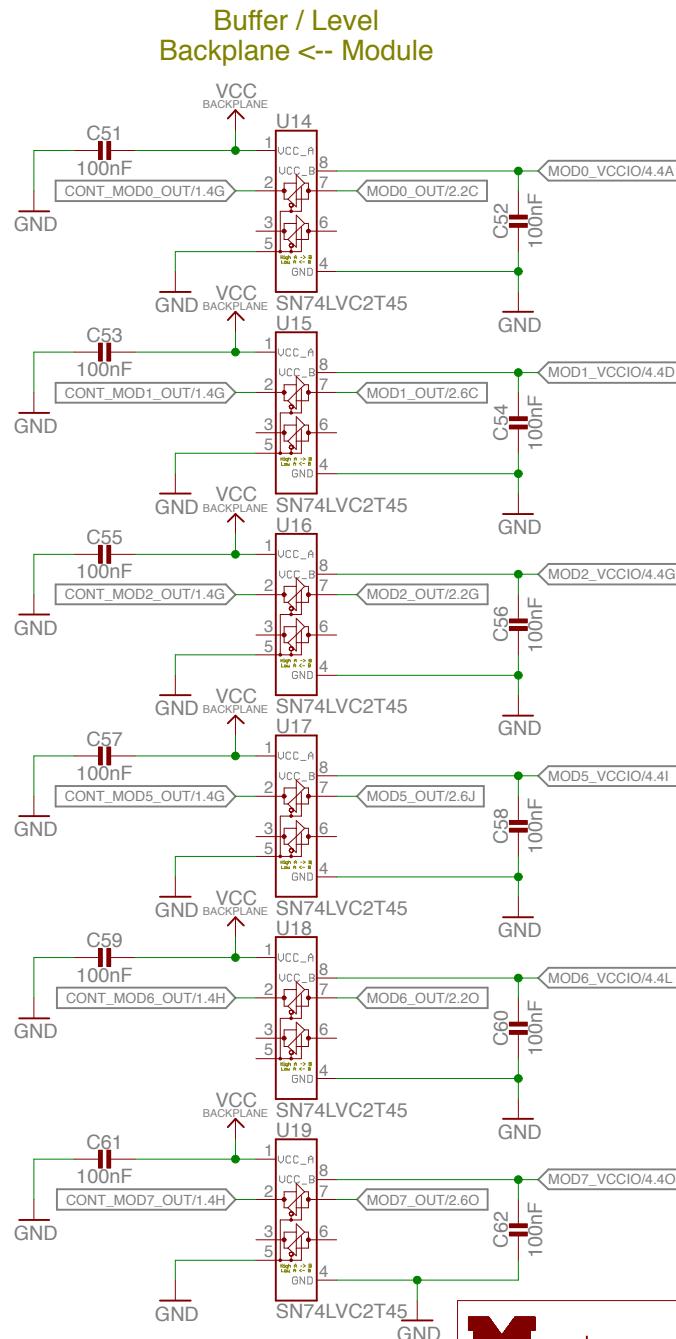
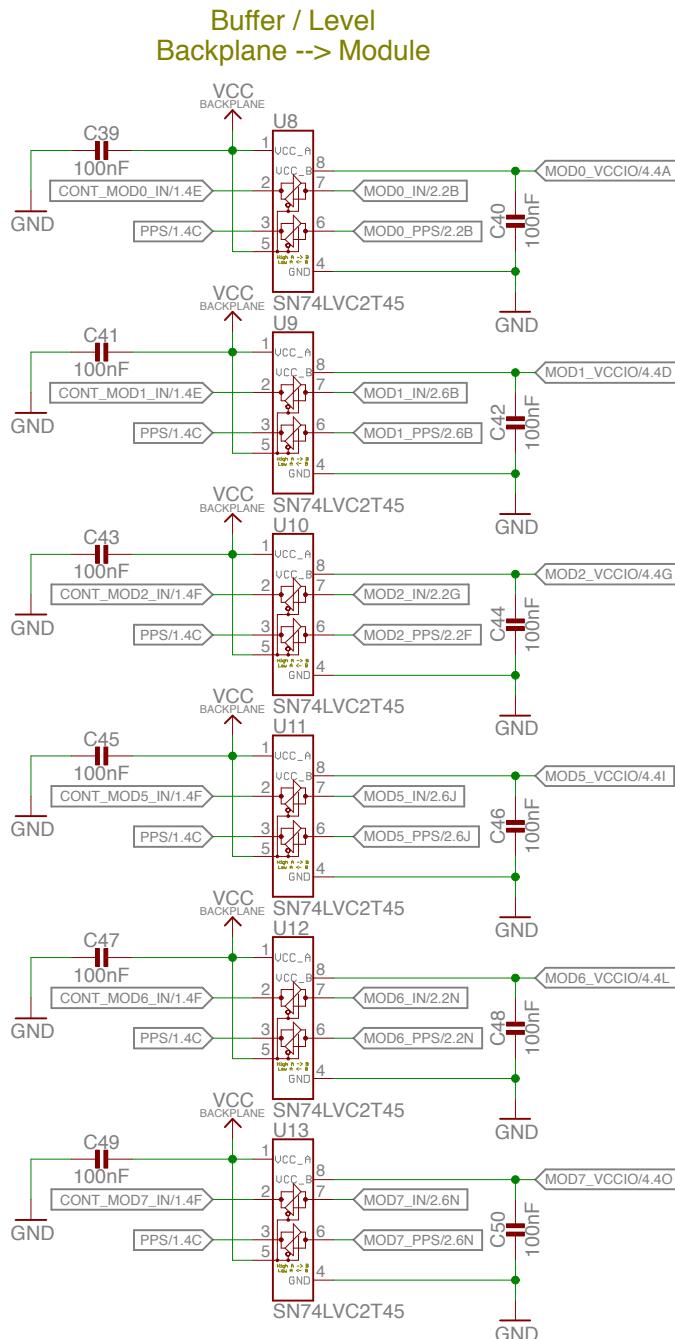
Author: Pat Pannuto

Date: 8/20/16 00:13

REV:
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Sheet: 4/9

Module Isolation



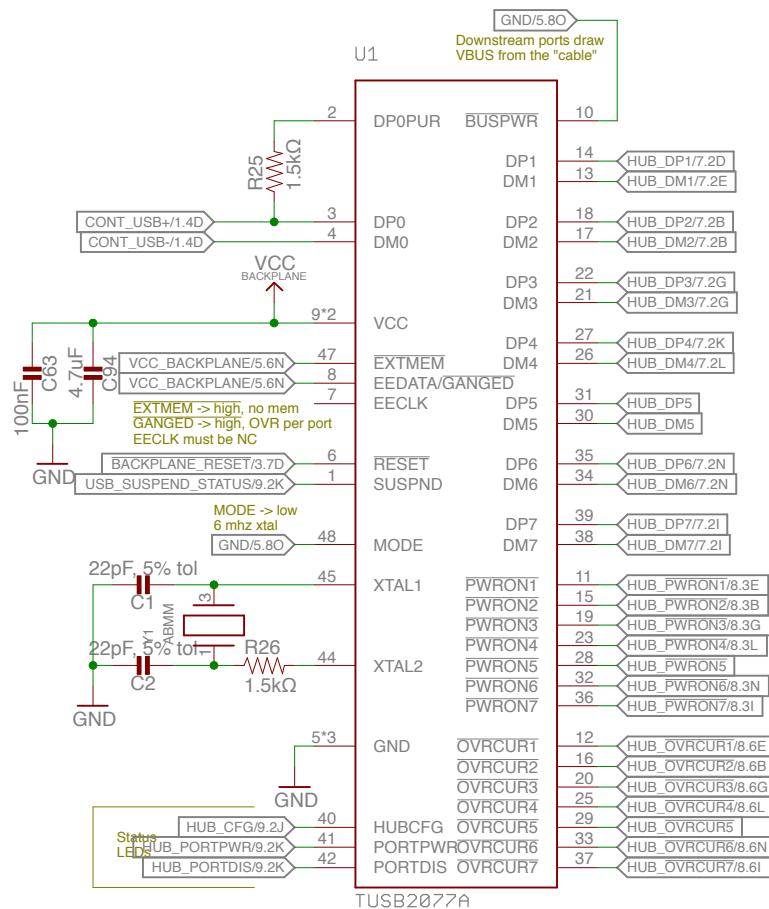
Signpost Backplane

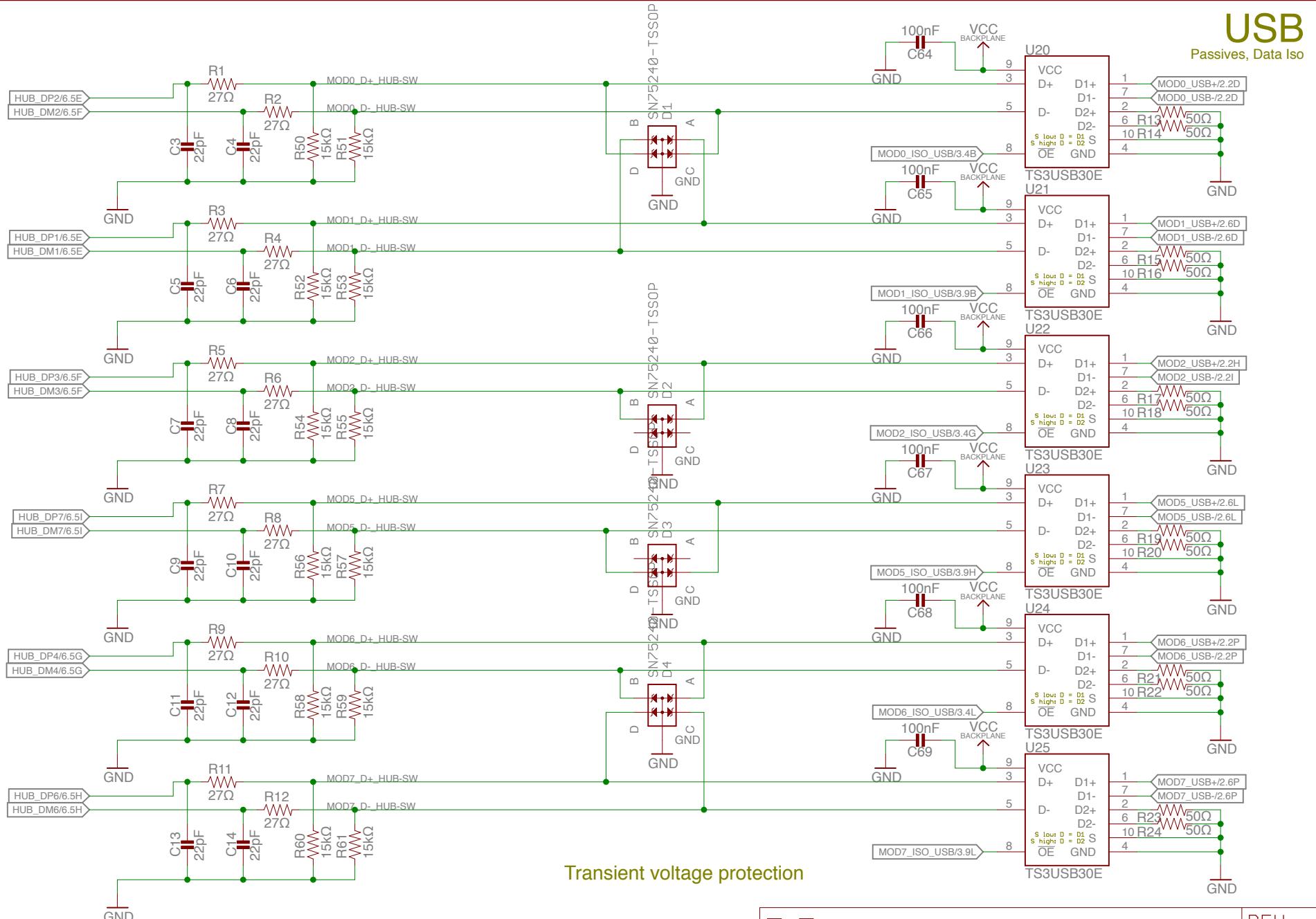
Author: Pat Pannuto

Date: 8/20/16 00:13

REV:
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Sheet: 5/9





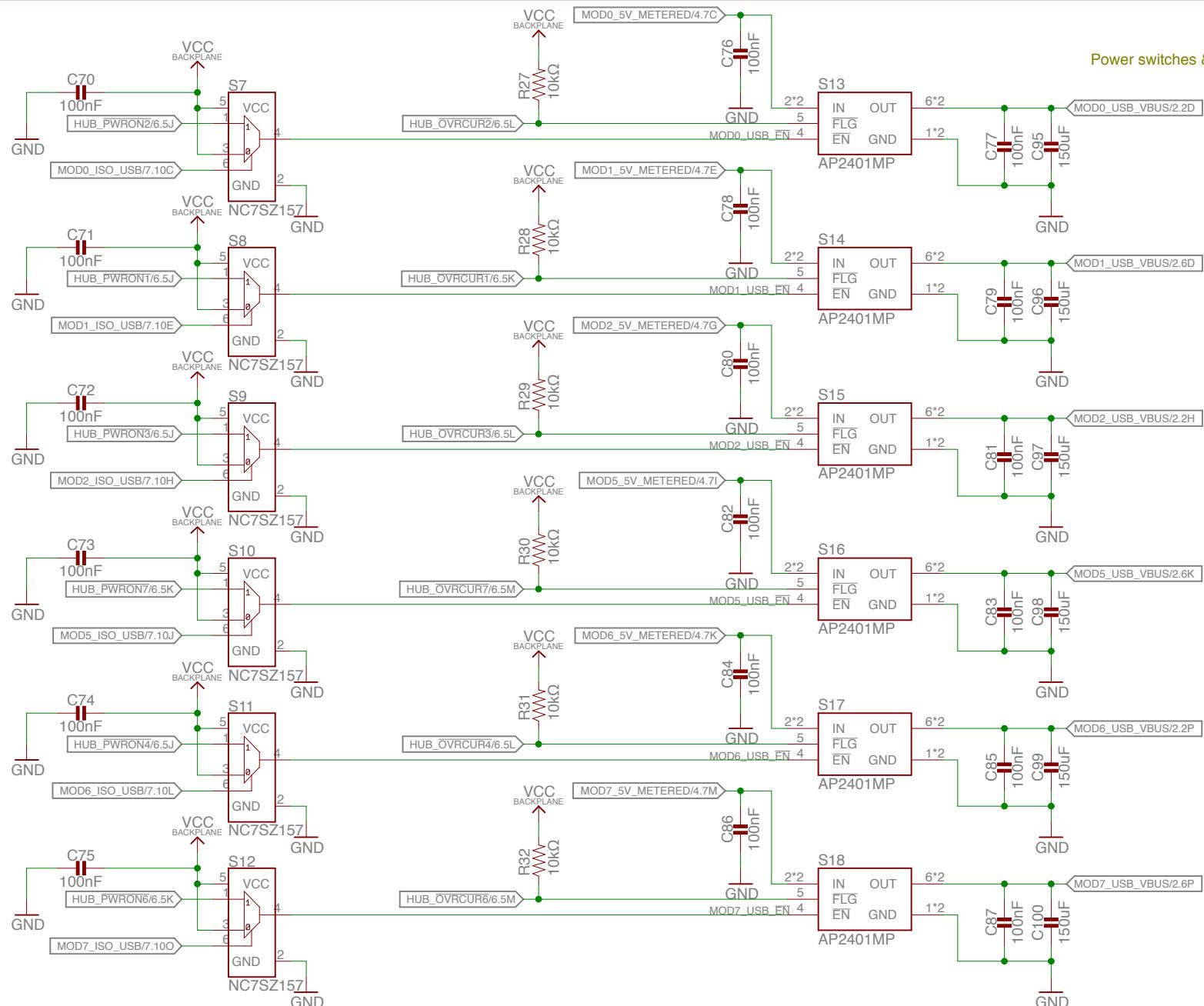
M Signpost Backplane

Author: Pat Pannuto

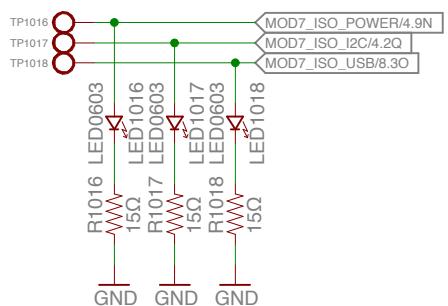
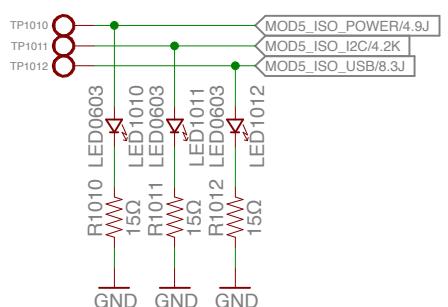
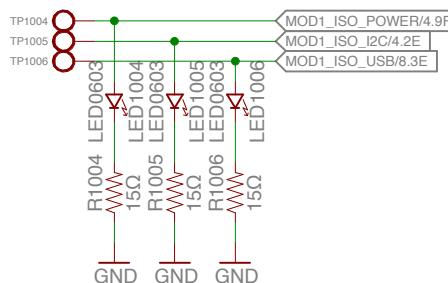
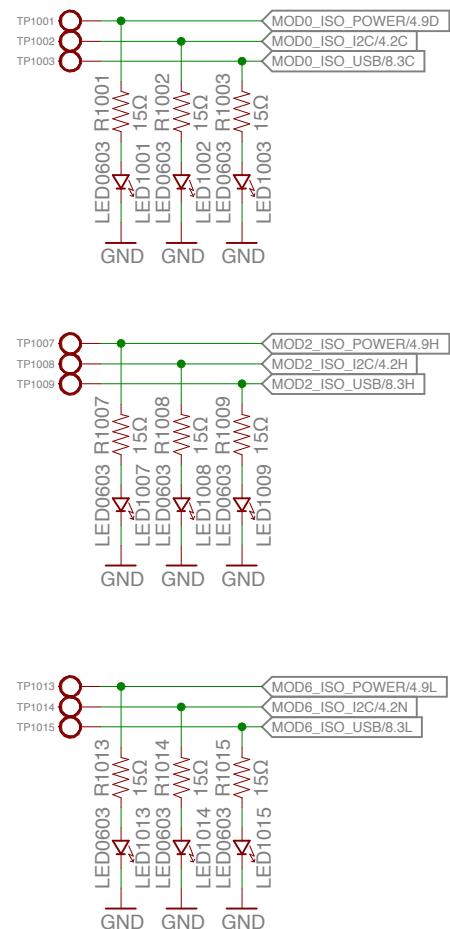
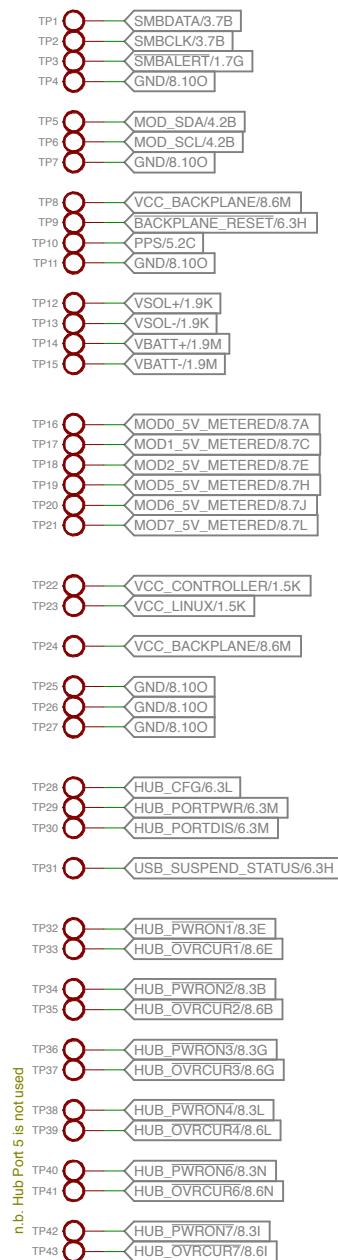
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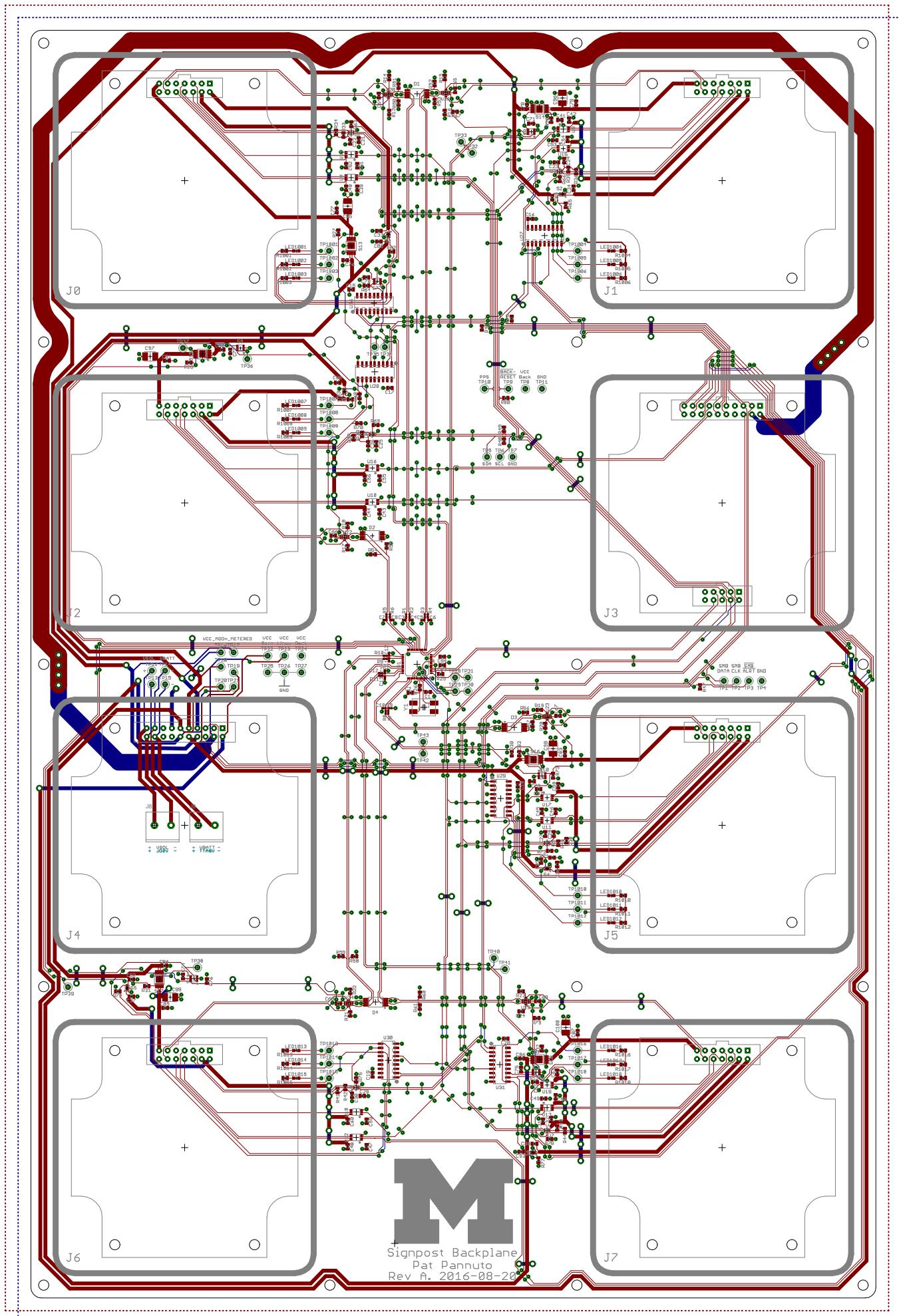
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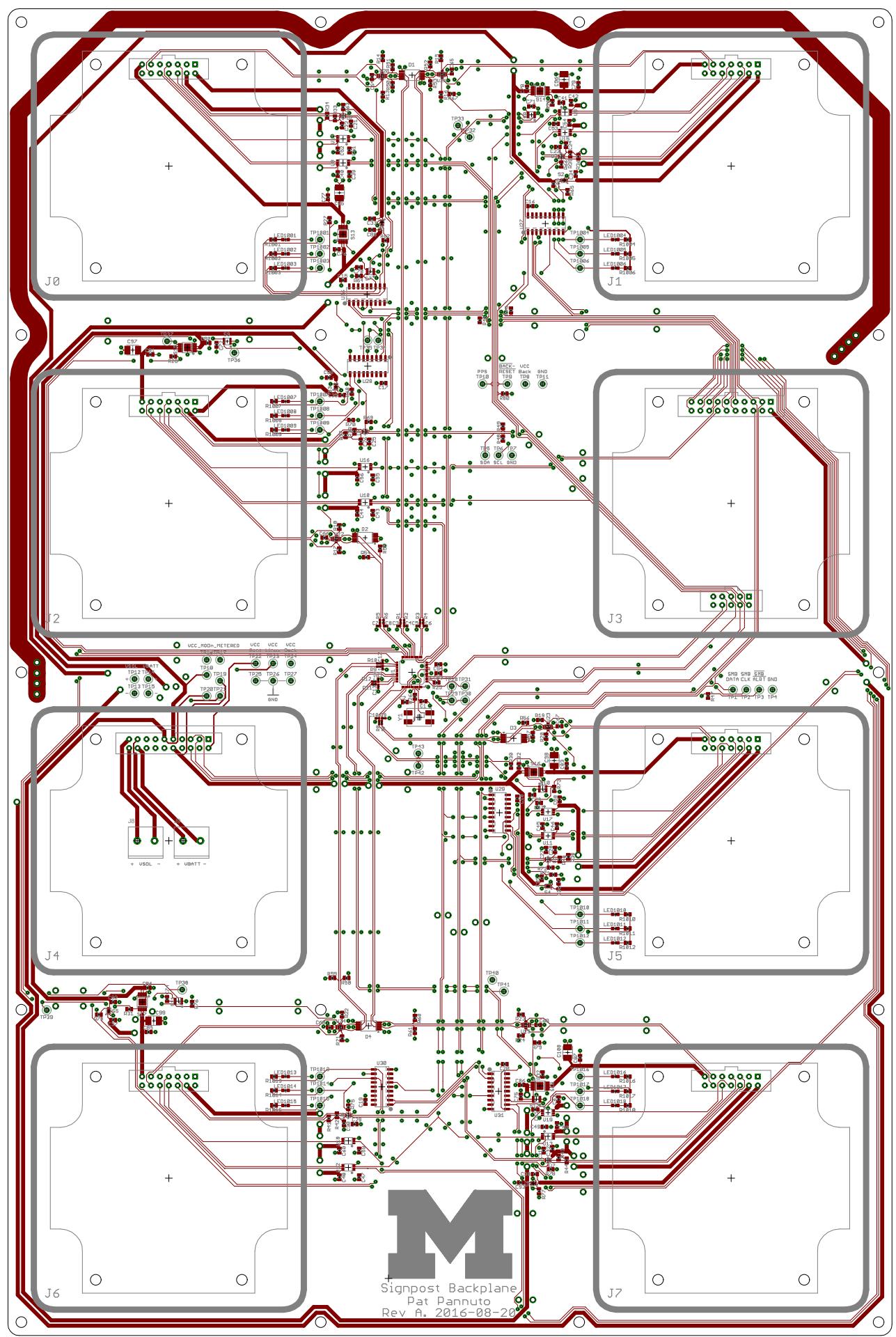
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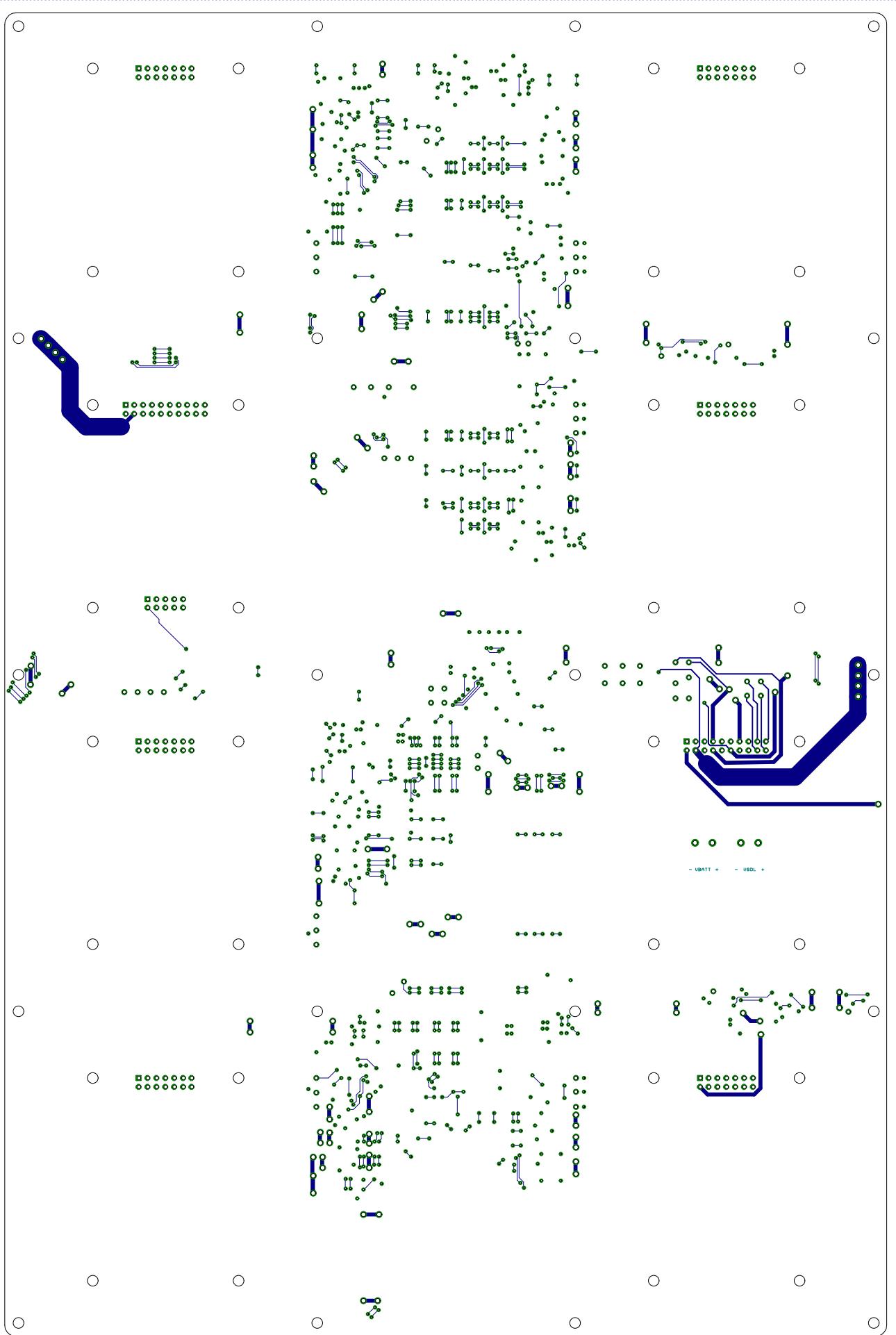


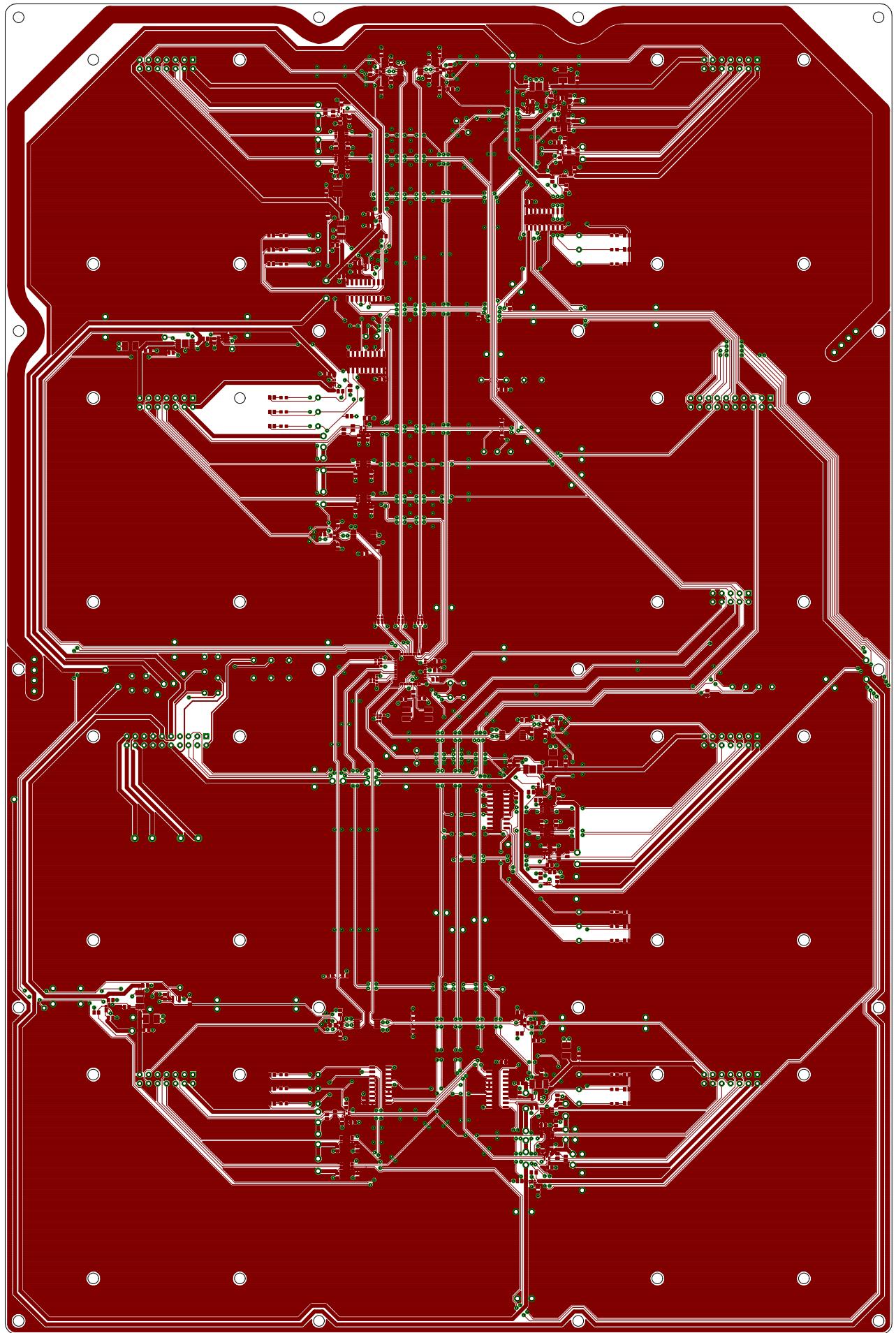
Debugging

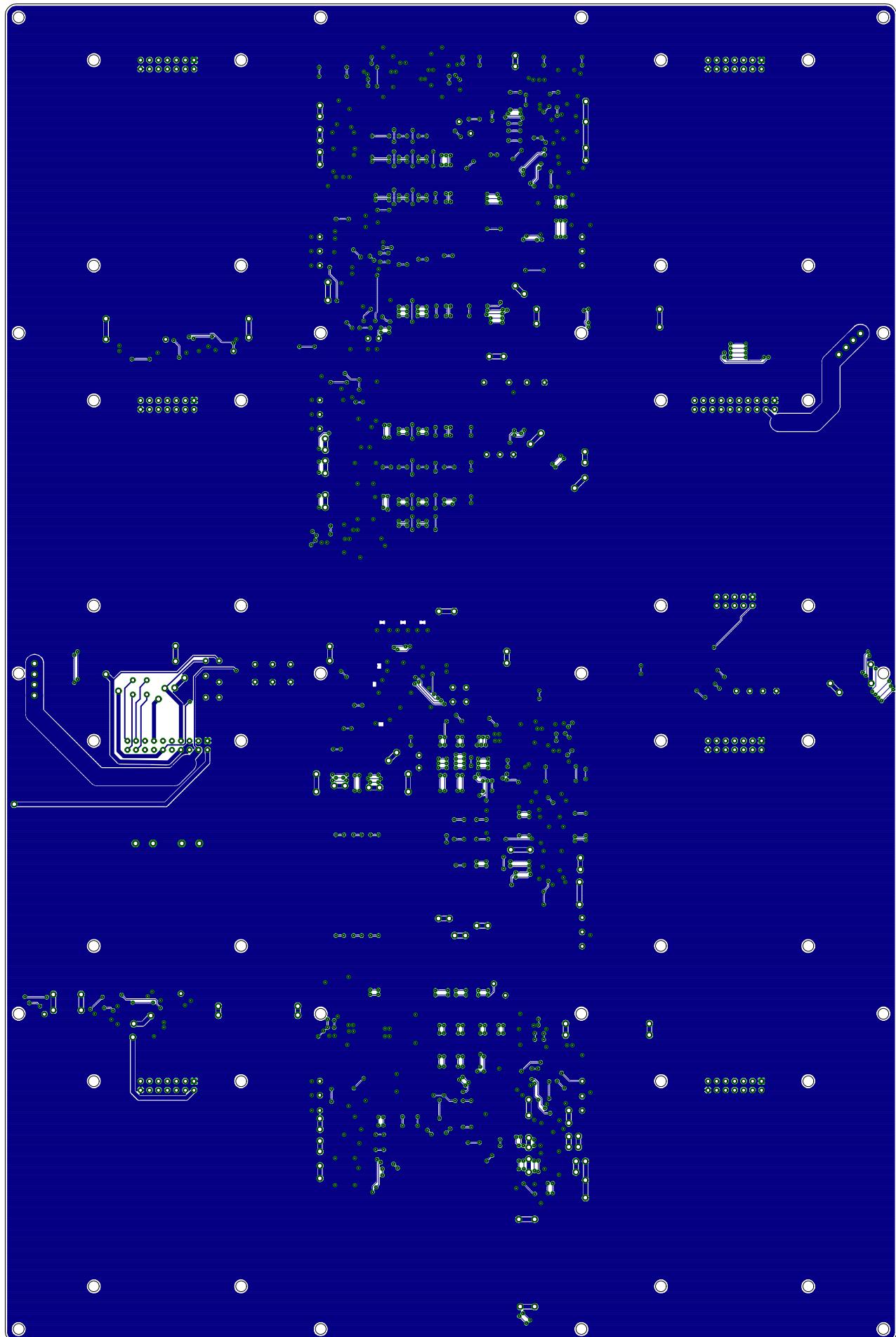


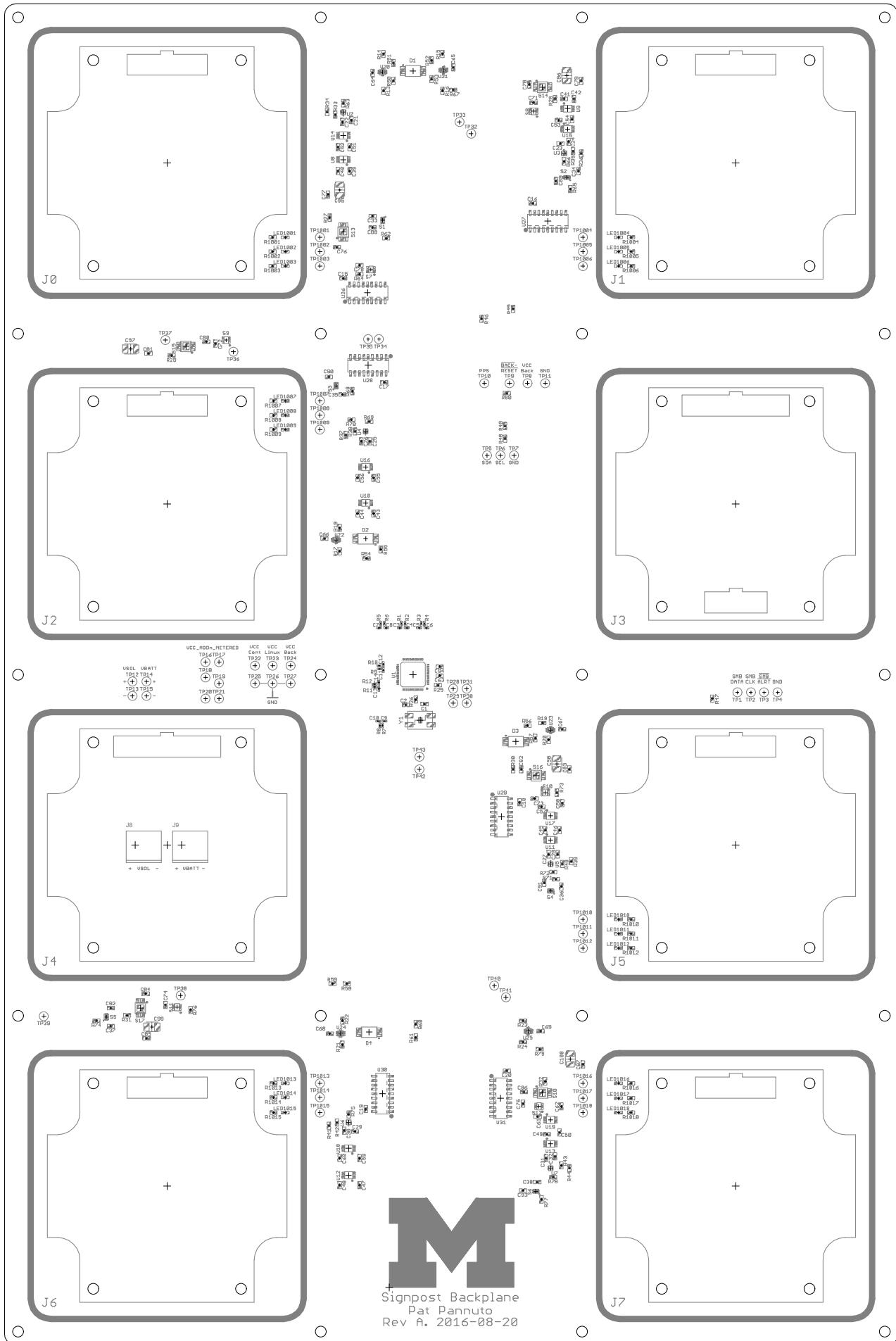


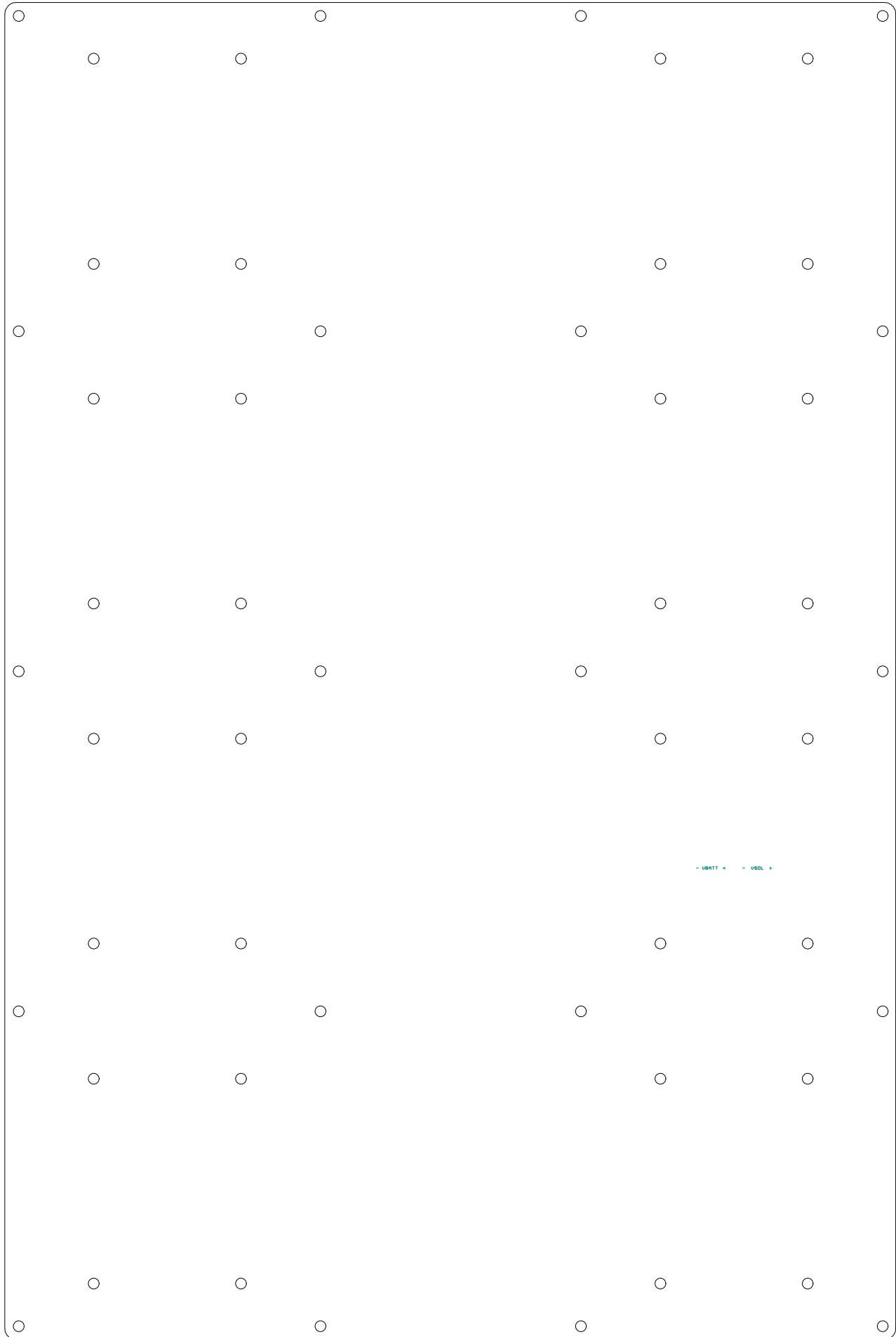


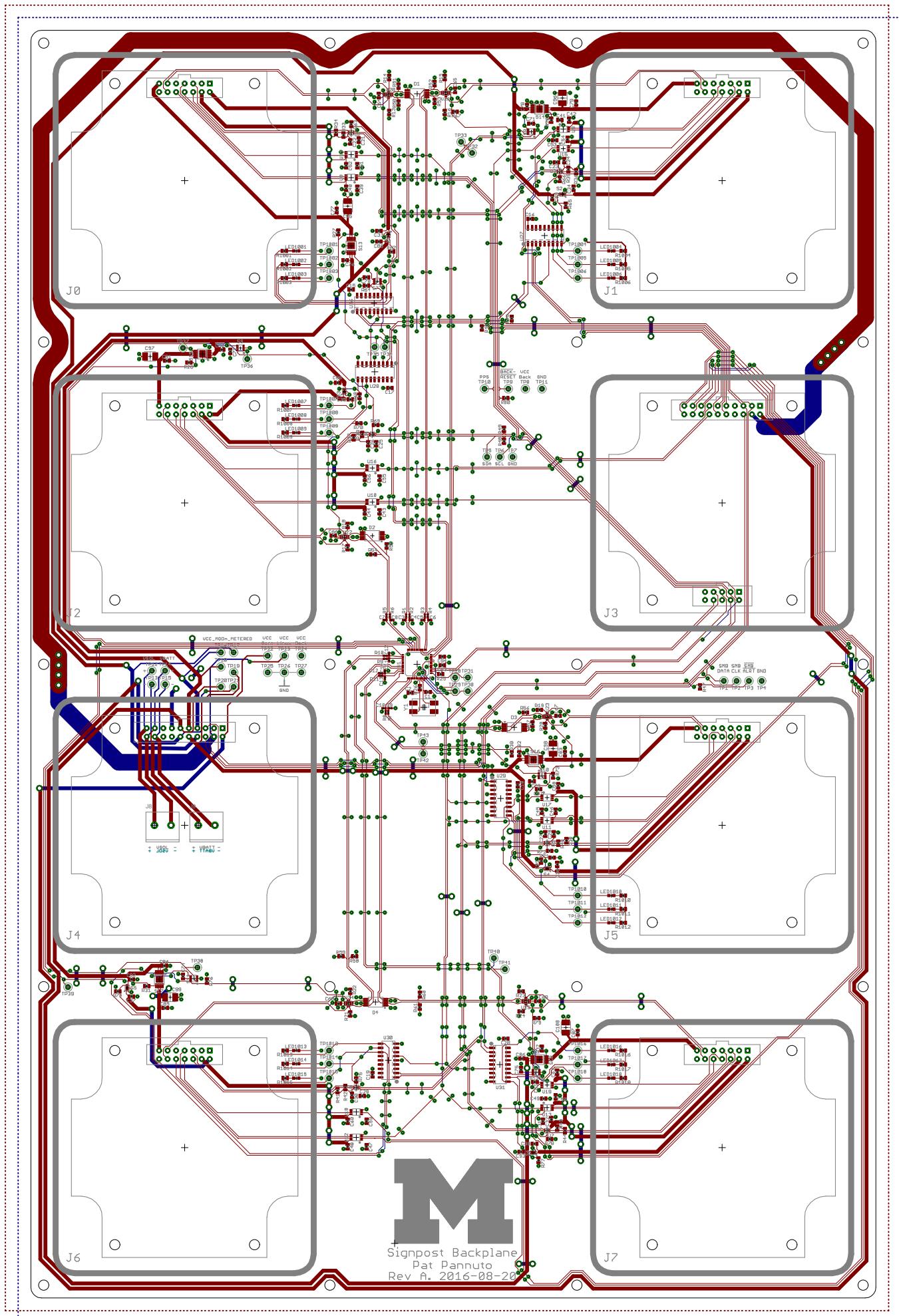


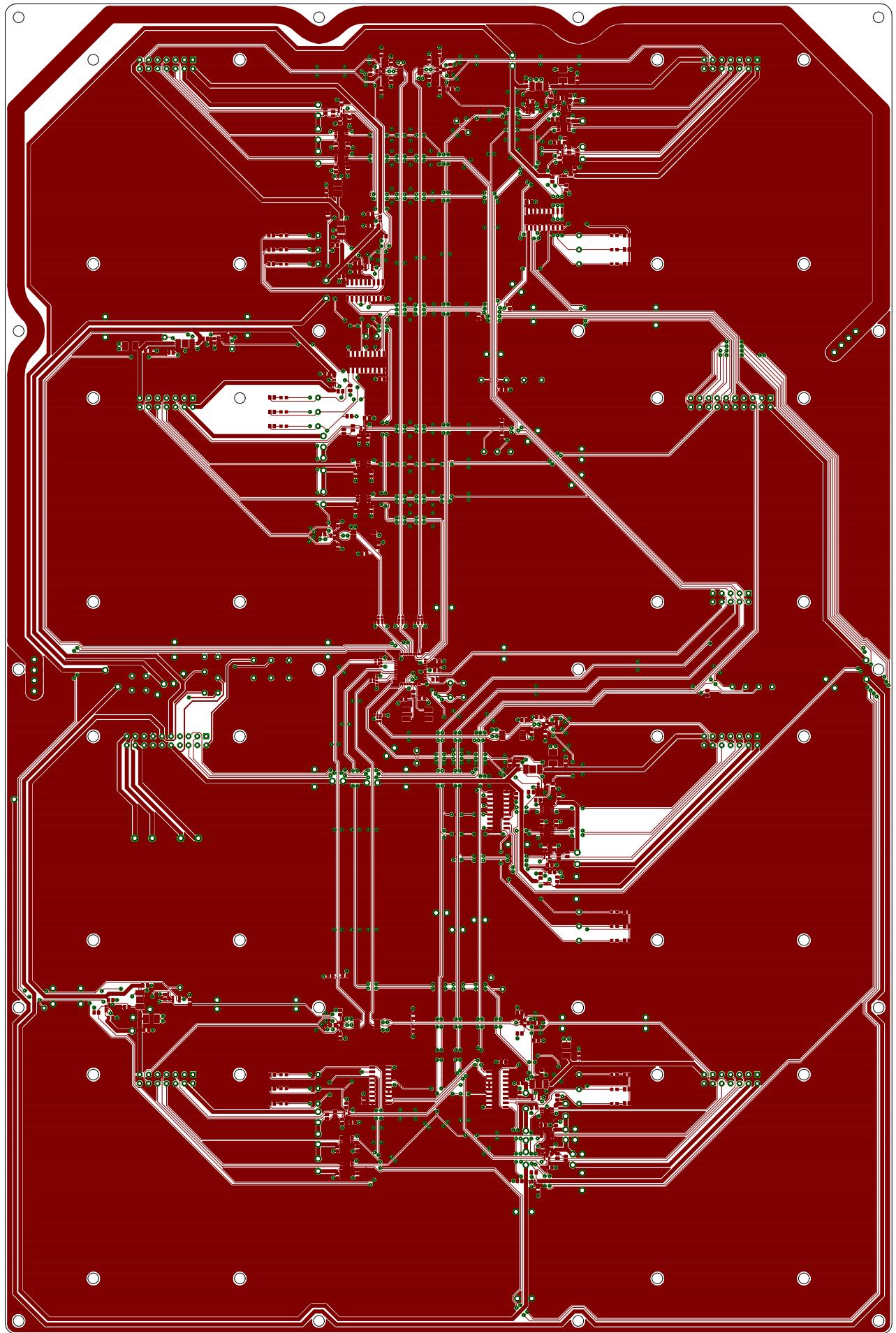


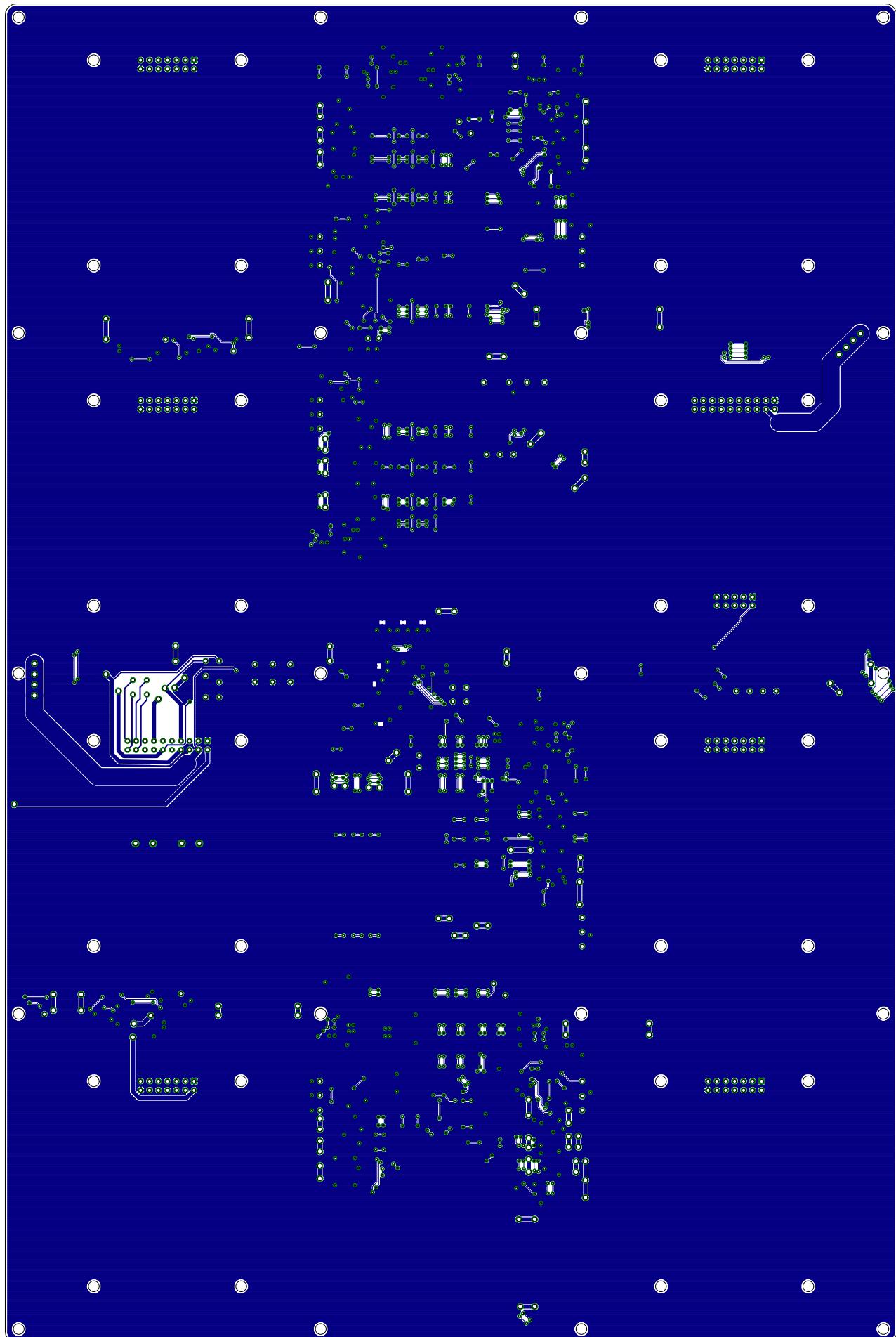












Qty	Value	Device	Package	Parts	Description	DIGIKEY
2	22pF, 5% tol	CAPACITOR0603_CAP	0603_CAP	C1, C2	0603 Capacitor	1276-1023-1-ND
12	22pF	CAPACITOR0402_CAP	0402_CAP	C3, C4, C5, C6, C7, C8, C9, C10	0402 Capacitor	490-5868-1-ND
73	100nF	CAPACITOR0603_CAP	0603_CAP	C15, C16, C17, C18, C19, C20	0603 Capacitor	490-1524-1-ND
7	4.7uF	CAPACITOR0603_CAP	0603_CAP	C88, C89, C90, C91, C92, C93	0603 Capacitor	490-10477-1-ND
6	150uF	CAPACITOR1210_CAP	1210_CAP	C95, C96, C97, C98, C99, C100	1210 Capacitor	1276-3367-1-ND
4	SN75240-TSSOP	SN75240-TSSOP	TSSOP-8	D1, D2, D3, D4	TVS Diodes [suggested for TI USB Hub] (2 array)	296-6596-1-ND
6	BACKPLANE_GENERIC_MODULE	BACKPLANE_GENERIC_MODULE	BACKPLANE_MODULE_14PIN	J0, J1, J2, J5, J6, J7	Signpost generic module receptacle	S9195-ND
1	BACKPLANE_CONTROLLER_MODULE	BACKPLANE_CONTROLLER_MODULE	BACKPLANE_MODULE_20PIN_10PIN	J5	Signpost controller recepticle	S9197-ND , S9194-ND
1	BACKPLANE_POWER_MODULE	BACKPLANE_POWER_MODULE	BACKPLANE_MODULE_20PIN	J4	Signpost power module recepticle	S9197-ND
2	SCREW_TERMINAL	SCREW_TERMINAL	PHEONIX-1935161	J8, J9	PCB terminal block 5mm	277-1667-ND
18	LED0603	LED0603	LED-0603	LED1001, LED1002, LED1003	LED	
12	27	RESISTOR0402_RES_HIGH_SPEED	0402_RES-HIGH_SPEED	R1, R2, R3, R4, R5, R6, R7, R	Resistor	RHM27CECT-ND
12	50	RESISTOR0603_RES	0603_RES	R13, R14, R15, R16, R17, R18	Resistor	RHM49.9CFCT-ND
2	1.5k	RESISTOR0603_RES	0603_RES	R25, R26	Resistor	RHM1.5KHCT-ND
23	10k	RESISTOR0603_RES	0603_RES	R27, R28, R29, R30, R31, R32	Resistor	RHM10.0KHCT-ND
12	15k	RESISTOR0603_RES	0603_RES	R50, R51, R52, R53, R54, R55	Resistor	RHM15.0KCFCT-ND
19	10M	RESISTOR0603_RES	0603_RES	R62, R63, R64, R65, R66, R67	Resistor	RHM10MDCT-ND
18	15	RESISTOR0603_RES	0603_RES	R1001, R1002, R1003, R1004	Resistor	
6	SIP3240X	SIP3240X	TDFN4	S1, S2, S3, S4, S5, S6	High power (2.4 A) high-side switch	SIP3240ADNP-T1GE4CT-ND
6	NC75Z157	NC75Z157	SC70-6	S7, S8, S9, S10, S11, S12	MUX	NC75Z157P6XCT-ND
6	AP2401MP	AP2401MP	MSOP-8EP	S13, S14, S15, S16, S17, S18	USB Power Switch	AP2401MP-13DICT-ND
61	TEST_POINT_0.040IN	TEST_POINT_0.040IN	TESTPOINT_0.040IN	TP1, TP2, TP3, TP4, TP5, TP6	0.040in Test Point	5001K-ND
1	TUSB2077A	TUSB2077A	LQFP-48	U1	Full Speed USB Hub - 7 Port	296-37871-1-ND
6	FXMA2102	FXMA2102	UMLP-8	U2, U3, U4, U5, U6, U7	Dual Supply, 2-Bit Voltage Translator / Buffer / Repeater / Isolator for I2C	FXMA2102UMXCT-ND
12	SN74LVC2T45	SN74LVC2T45	VFSOP-8	U8, U9, U10, U11, U12, U13	Bidirectional Buffer / Level Converter 2 Circuits	296-17014-1-ND
6	TS3USB30E	TS3USB30E	UQFN-10	U20, U21, U22, U23, U24, U	USB Mux with OE control and ESD	296-24684-1-ND
6	MCP23008	MCP23008	SOIC-18	U26, U27, U28, U29, U30, U	GPIO Extender via I2C - 8 Pin	MCP23008T-E/SOCT-ND
1	ABMM	ABMM	ABMM	Y1	Low-Profile SMD crystal	535-10156-1-ND