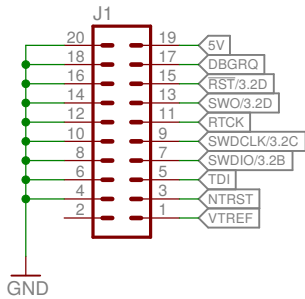
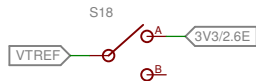




## 20-Pin Ribbon Cable from JLink



## Voltage Ref Select

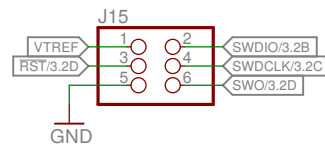
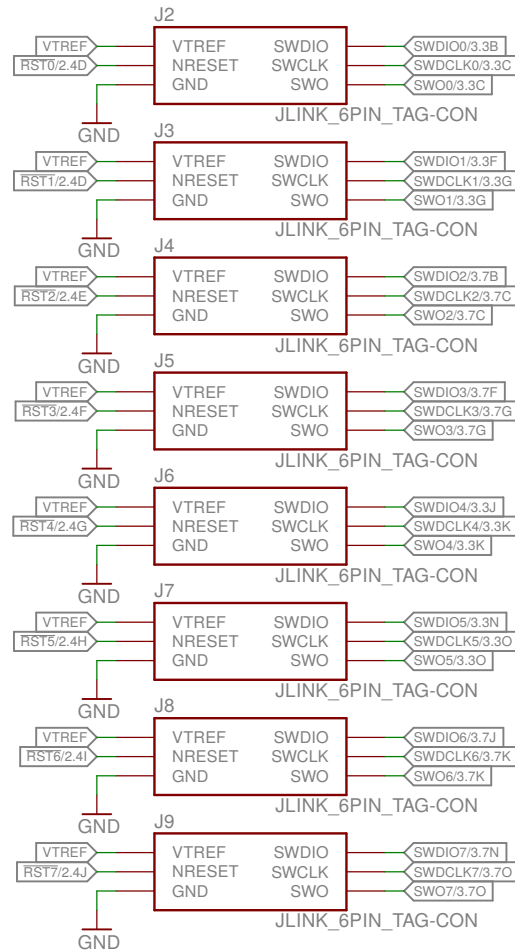


## Jumper SWDIO & RESET

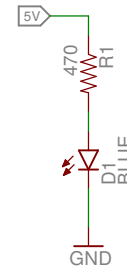
Useful for the nRF51822, which uses the SWDIO line for RESET.



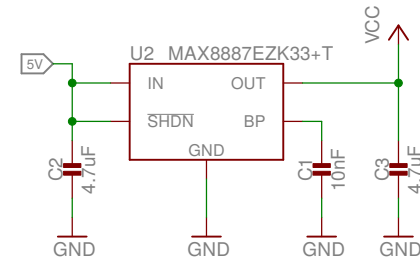
## 6 Pin Pogo Connector



## Power LED



## 3V3 Regulator



**M** JLink to Tag Connect x8

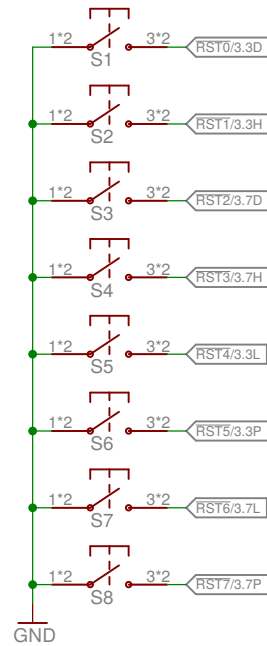
REV:  
D

Author: Brad Campbell

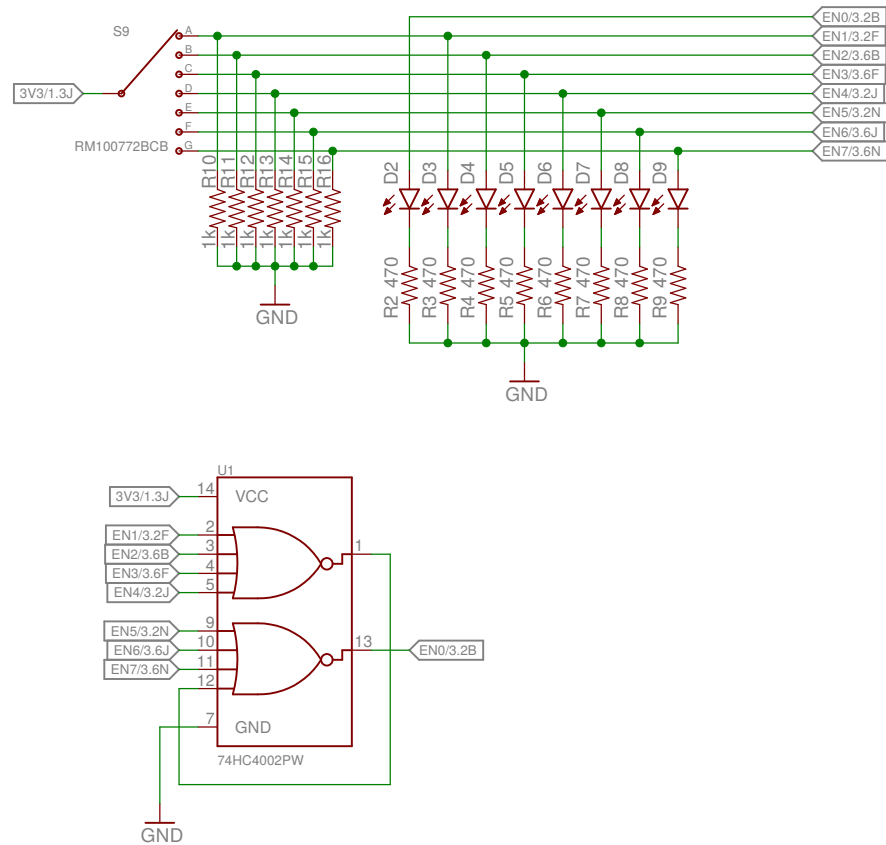
Date: 11/9/16 12:22 AM

Sheet: 1/3

## Reset Buttons



## Single-hot Enable Lines



**M** JLink to Tag Connect x8

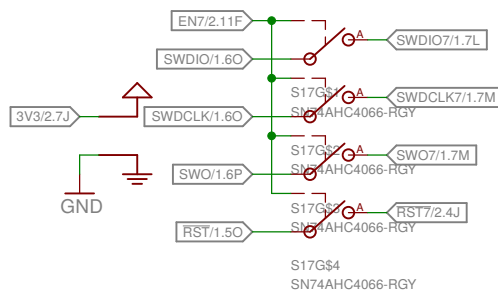
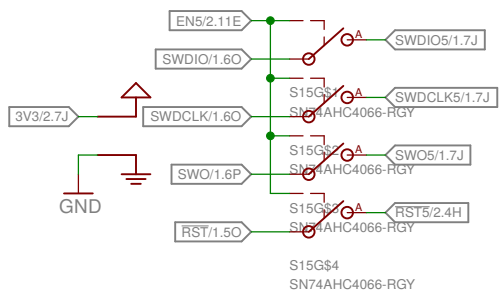
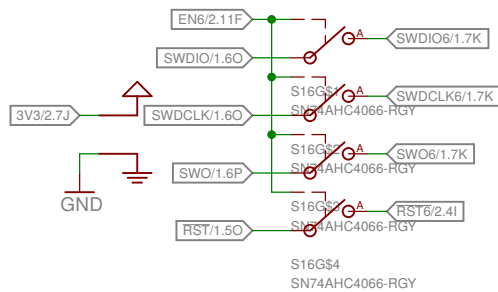
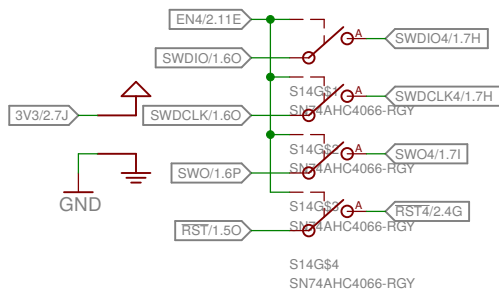
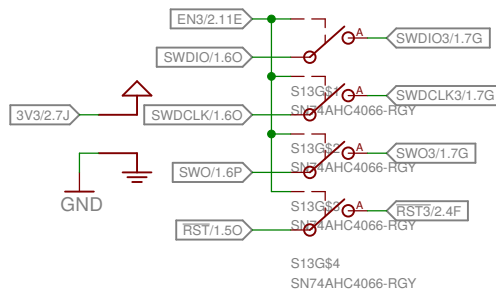
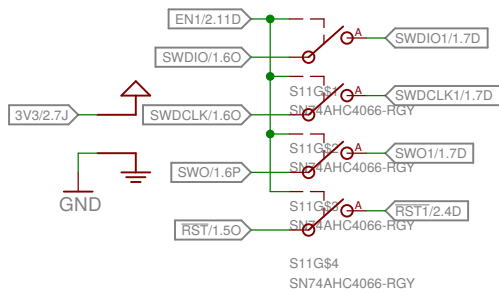
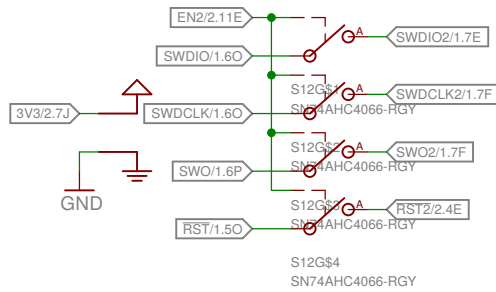
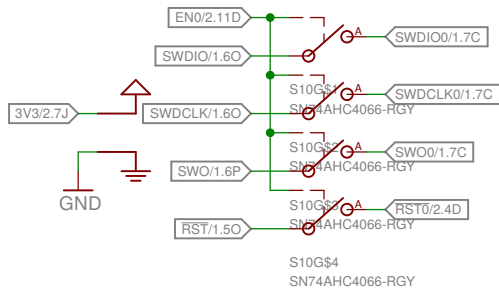
REV:  
D

Author: Brad Campbell

Date: 11/9/16 12:22 AM

Sheet: 2/3

## Tag Connect Port Enable Circuits



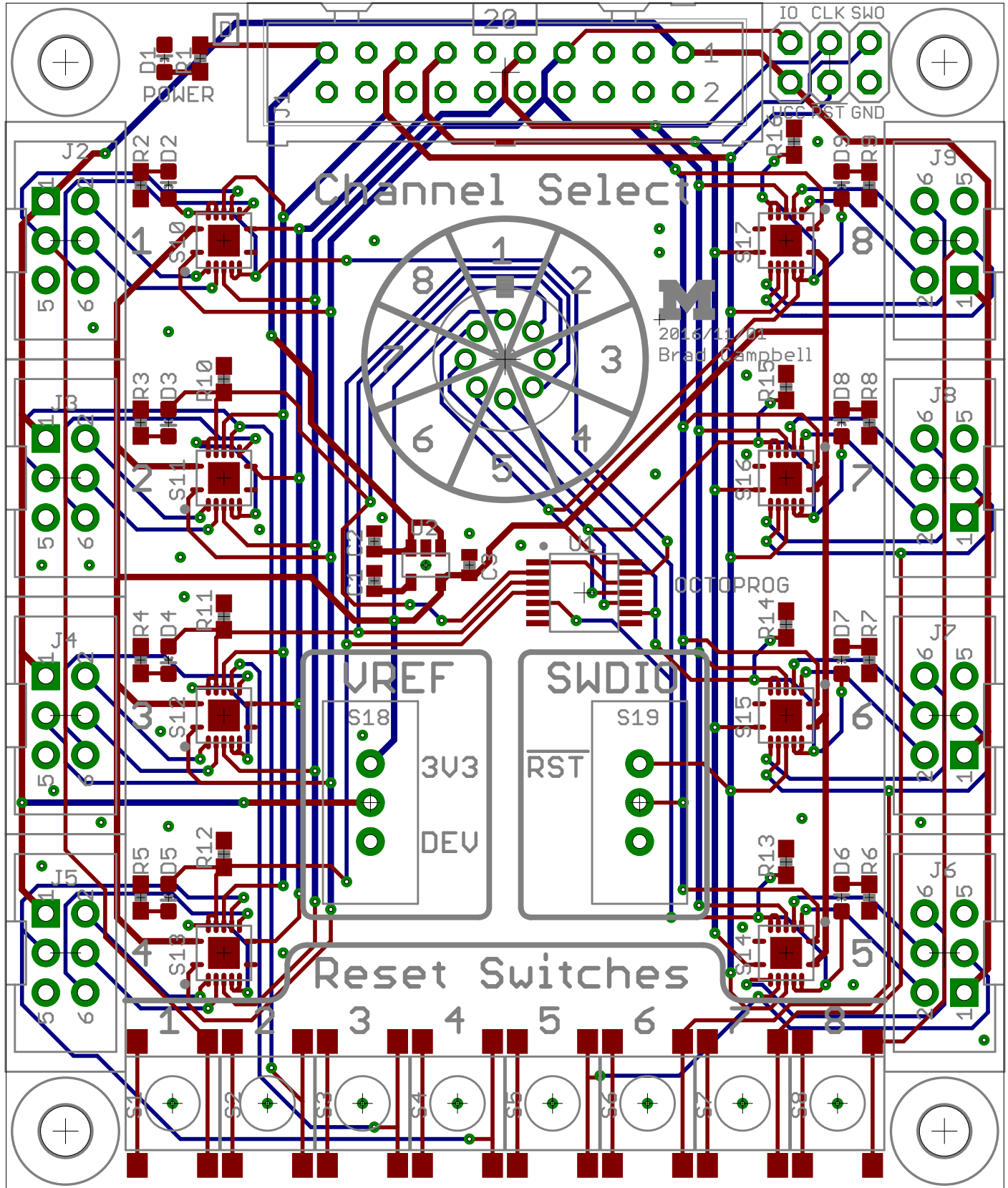
**M** JLink to Tag Connect x8

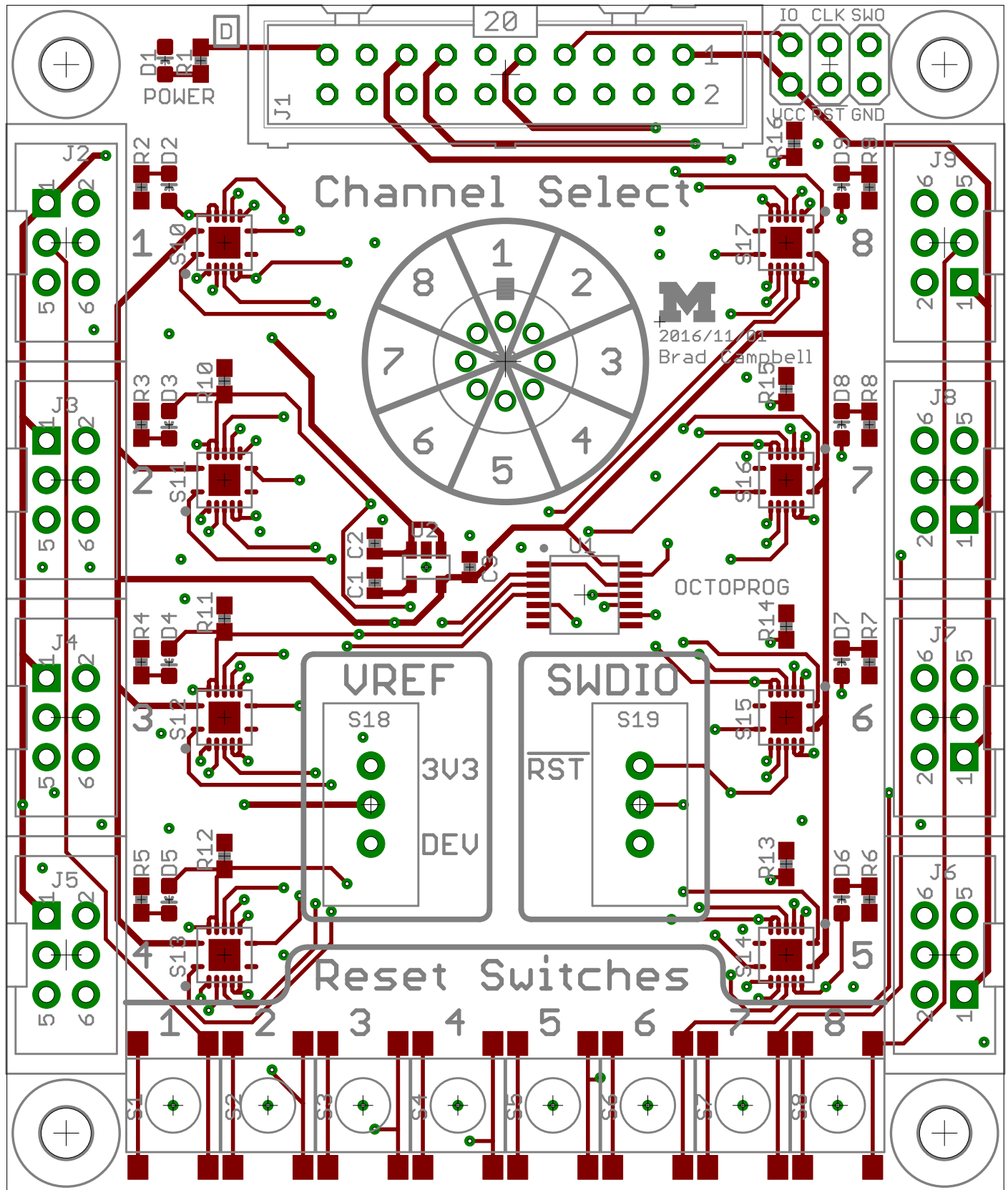
REV:  
D

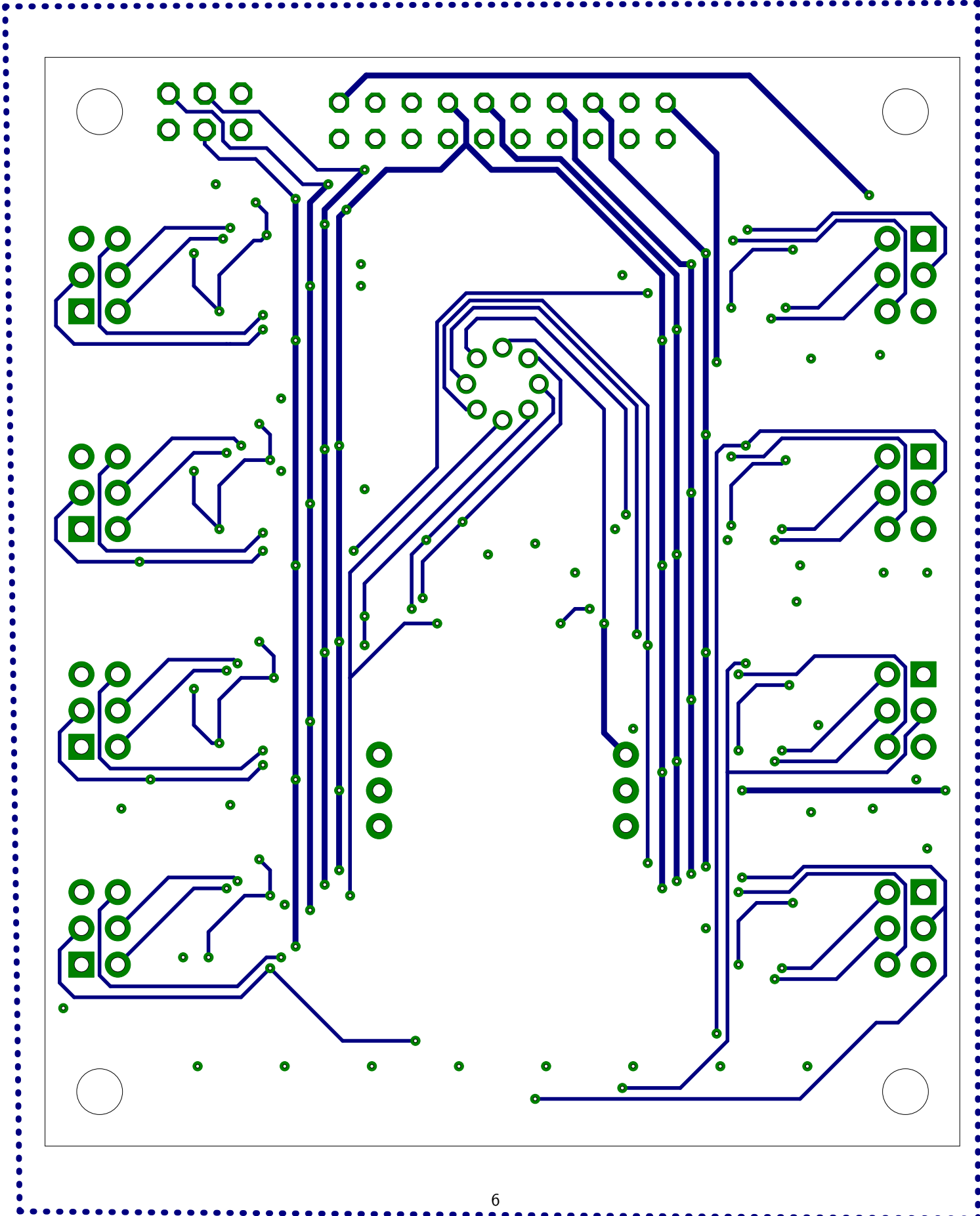
Author: Brad Campbell

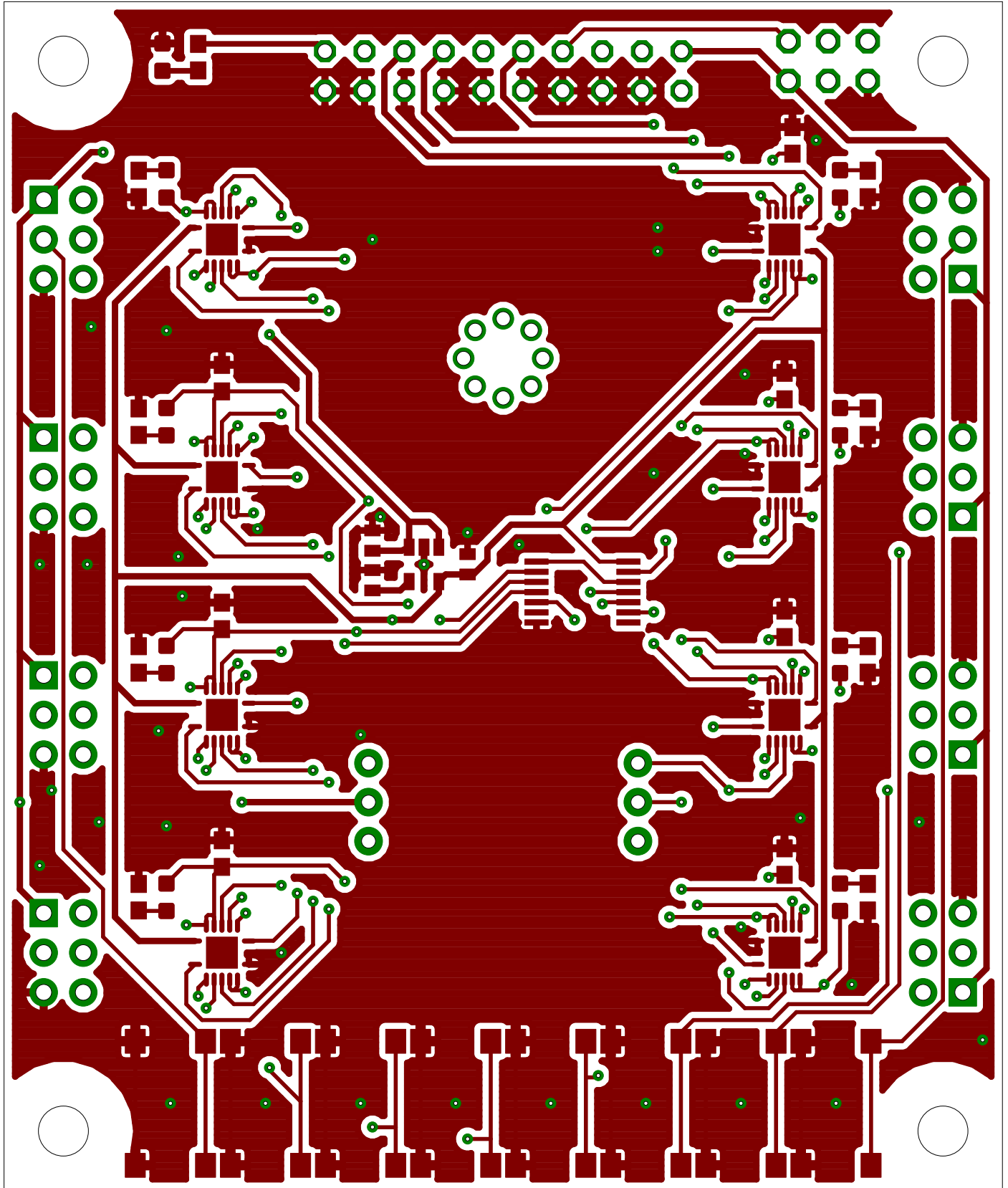
Date: 11/9/16 12:22 AM

Sheet: 3/3

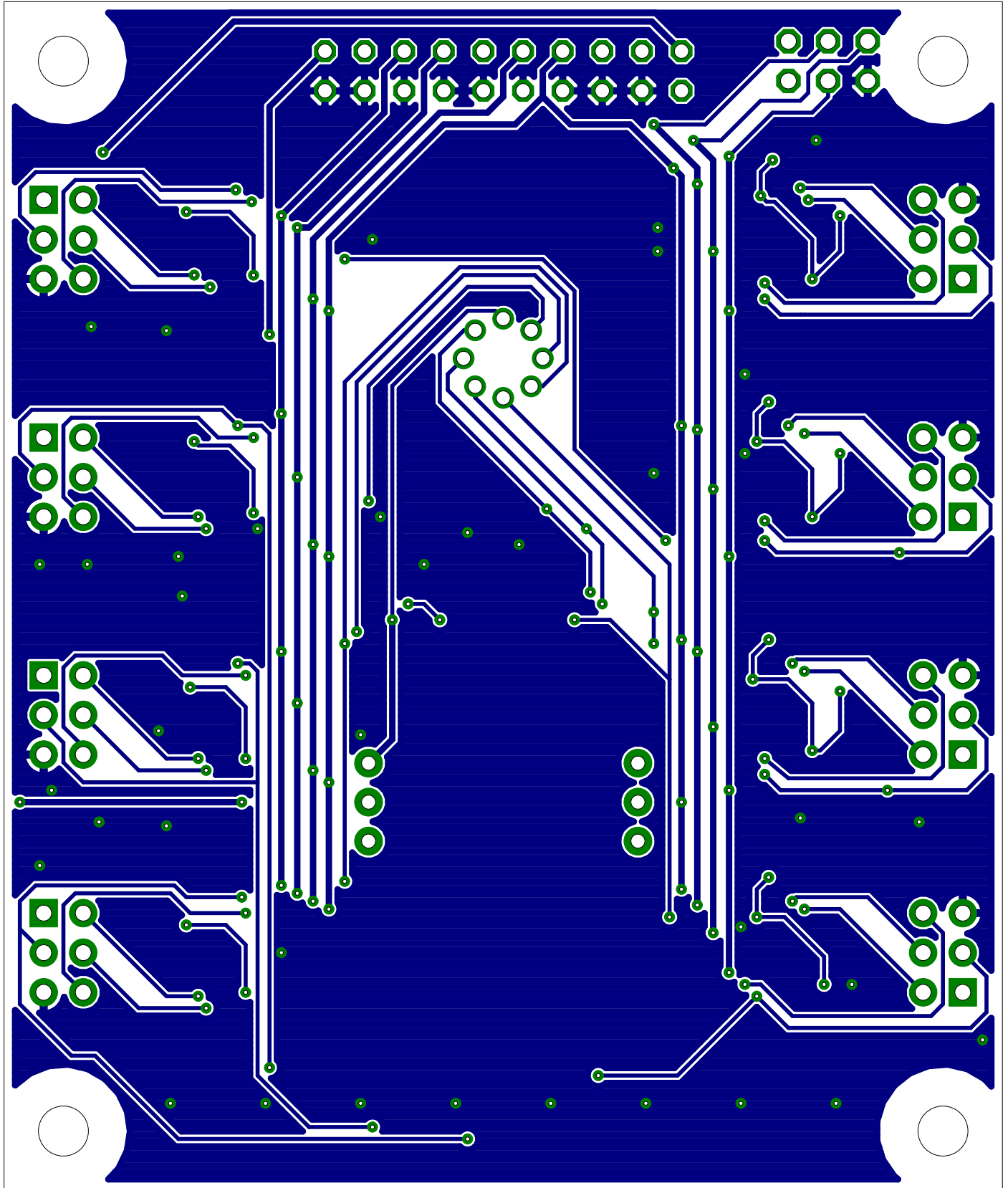




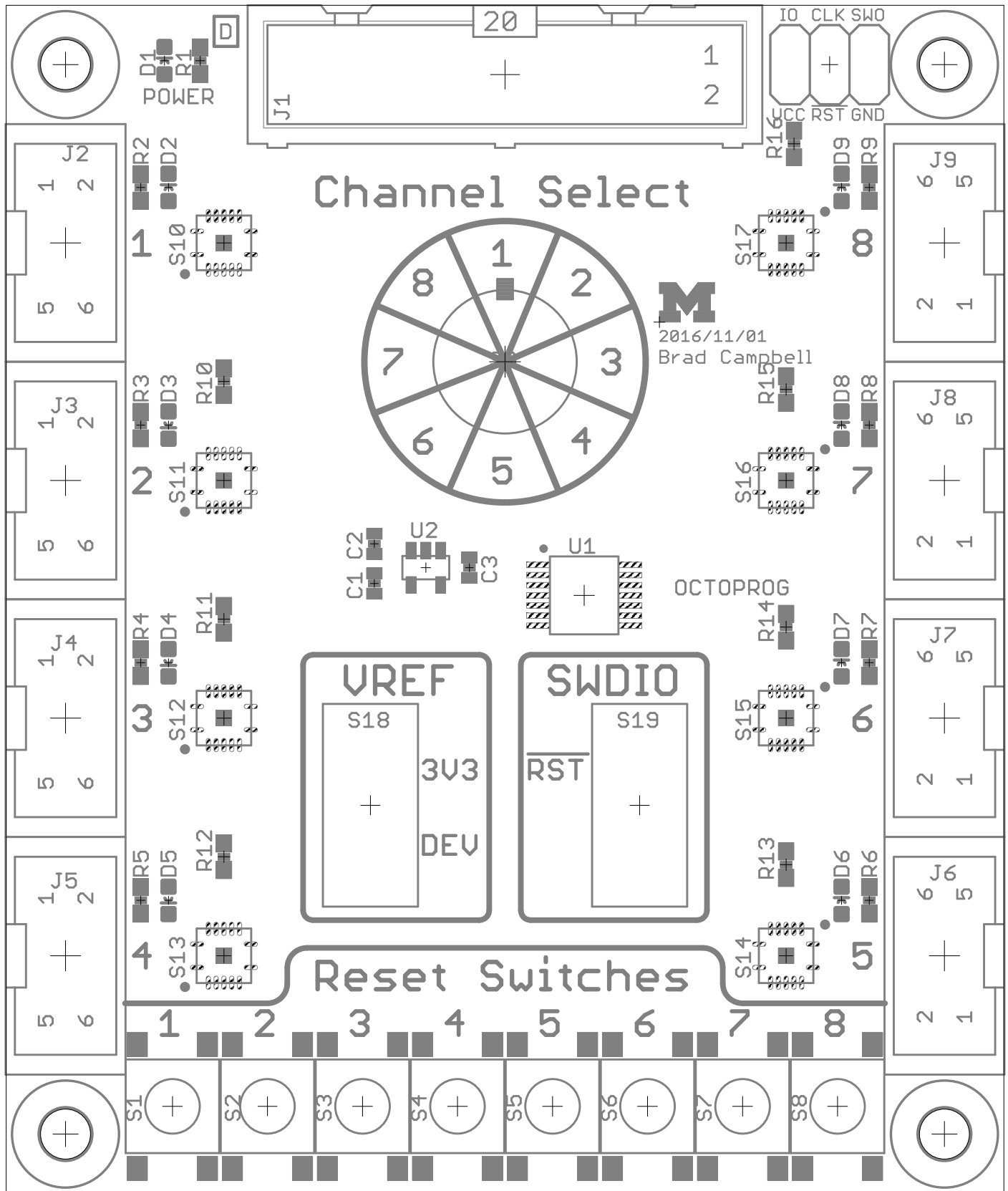




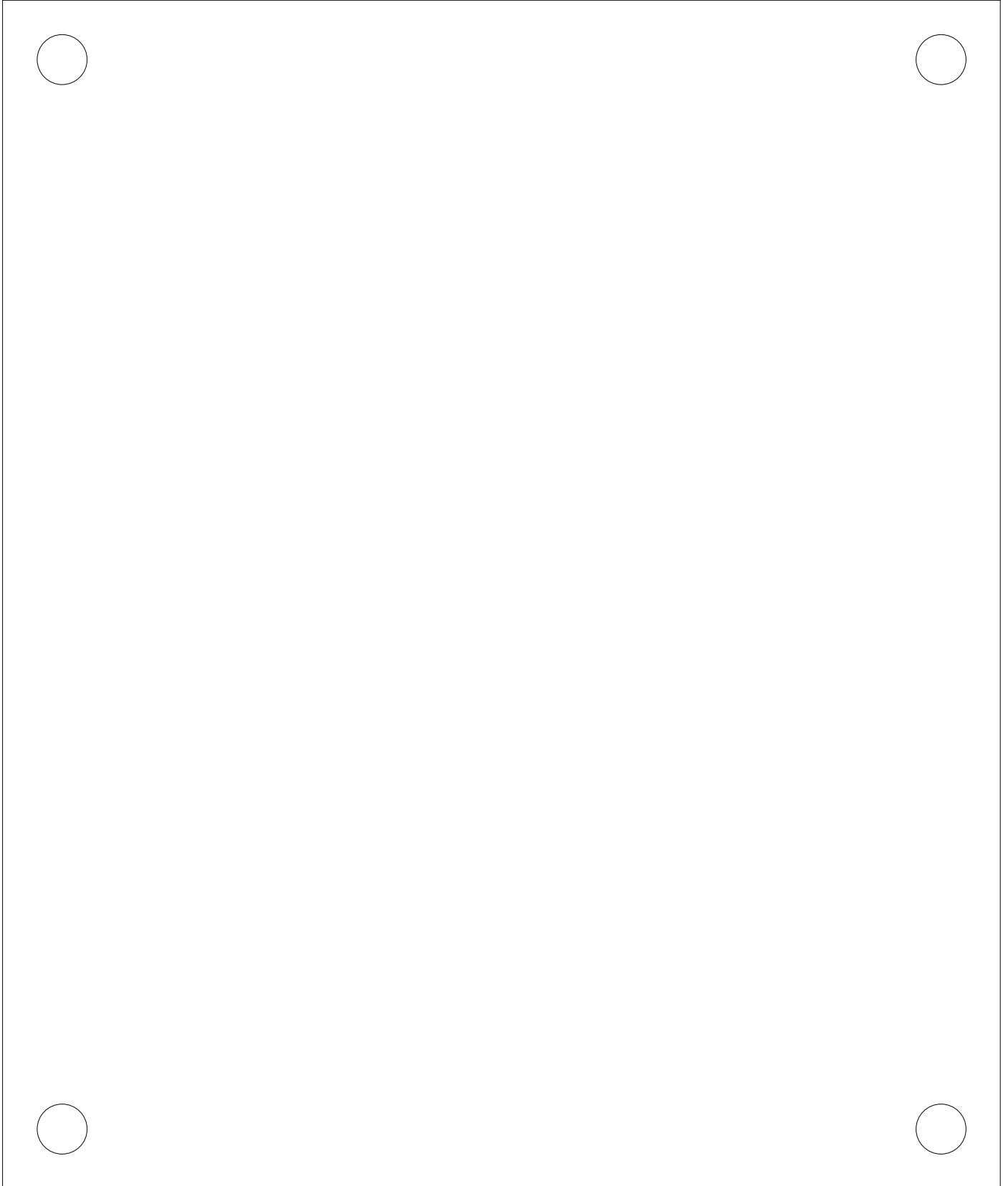
Bottom Copper Layer

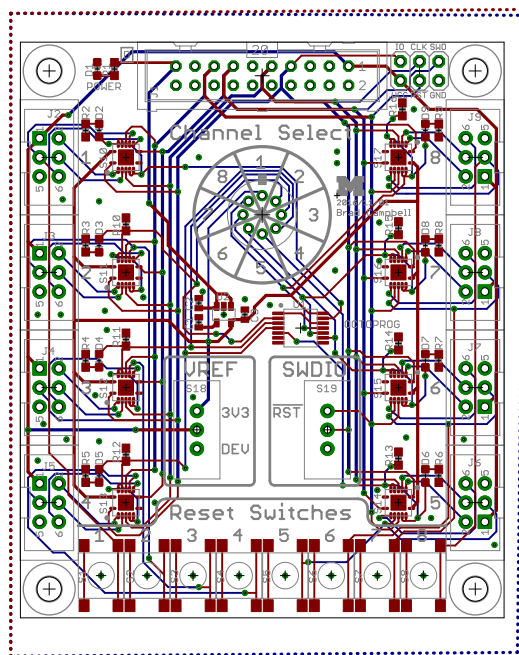




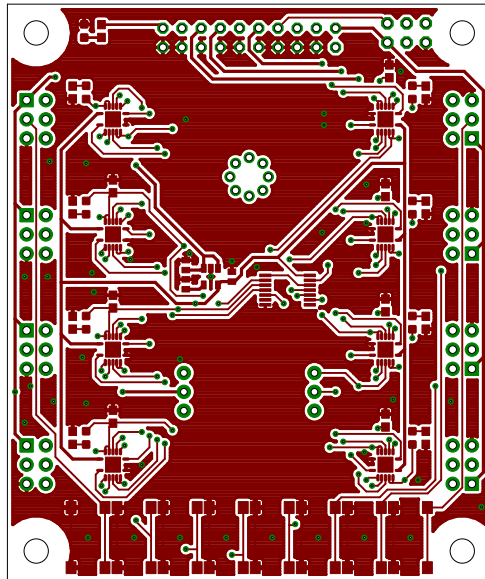


Bottom Paste Layer with Silkscreen

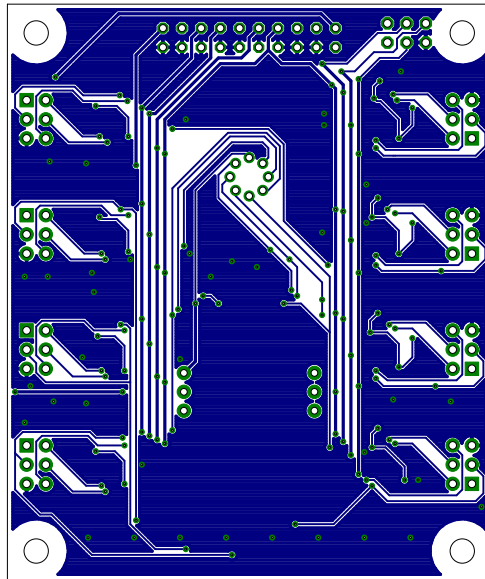




Top Layer 1:1 Scale



Bottom Copper Layer 1:1 Scale



jlink\_to\_tag

Qty	Value	Device	Package
1	10nF	CAPACITOR0603_CAP	0603_CAP
2	4.7uF	CAPACITOR0603_CAP	0603_CAP
9	BLUE	LED-BLUE0603	LED-0603
1		ML20	ML20
8	JLINK_6PIN_TAG-CON	JLINK_6PIN_TAG-CON	2X3_MALE_SHROUDED_0.100
1		PINHD-2X3	2X03
9	470	RESISTOR0603-RES	0603-RES
7	1k	RESISTOR0603-RES	0603-RES
8	PTS645SM43SMTR92	PTS645SM43SMTR92	PTS645
1	RM100772BCB	RM100772BCB	RM-SWITCH
8	SN74AHC4066-RGY	SN74AHC4066-RGY	S-PVQFN-N14-3.5MM
2	STS121PC04	STS121PC04	STS121PC04
1	74HC4002PW	74HC4002PW	TSSOP-14/5MM
1	MAX8887EZK33+T	MAX8887EZK33+T	SOT-23-5

Parts	Description
C1	0402 Capacitor
C2, C3	0402 Capacitor
D1, D2, D3, D4, D5, D6, D7, D8, D9	Blue LEDs
J1	HARTING
J2, J3, J4, J5, J6, J7, J8, J9	This is a 6-pin Tag Connect header with the J-Link.
J10	PIN HEADER
R1, R2, R3, R4, R5, R6, R7, R8, R9	Resistor
R10, R11, R12, R13, R14, R15, R16	Resistor
S1, S2, S3, S4, S5, S6, S7, S8	Tactile Switch SPST-NO Top Actuated Surface Mount
S9	Rotary Switch 8 Position SP7T 500mA (DC) 24VDC Through Hole
S10, S11, S12, S13, S14, S15, S16, S17	
S18, S19	Slide Switch SPDT Through Hole
U1	NOR Gate IC 2 Channel 14-TSSOP
U2	IC REG LDO 3.3V 0.3A TSOT23-5

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**DIGIKEY**

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490-1512-1-ND

490-3297-1-ND

S9172-ND

3M15451-ND

RHM1.00KHCT-ND

CKN9112CT-ND

CKN10691-ND

296-15258-1-ND

450-1609-ND

568-8879-1-ND

MAX8887EZK33+TCT-ND