

May 20, 2009

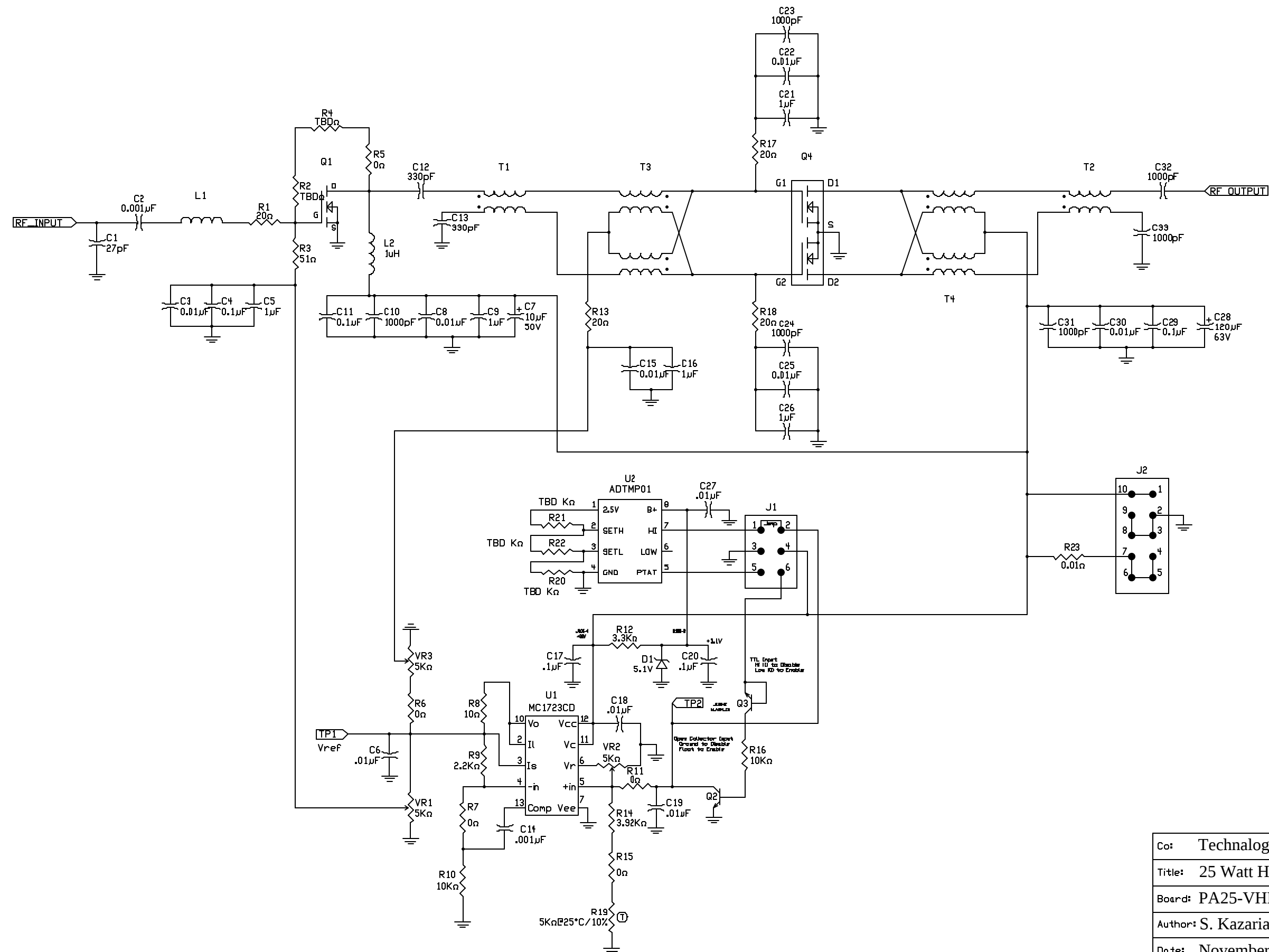
Schematic Diagram

TXVD-500

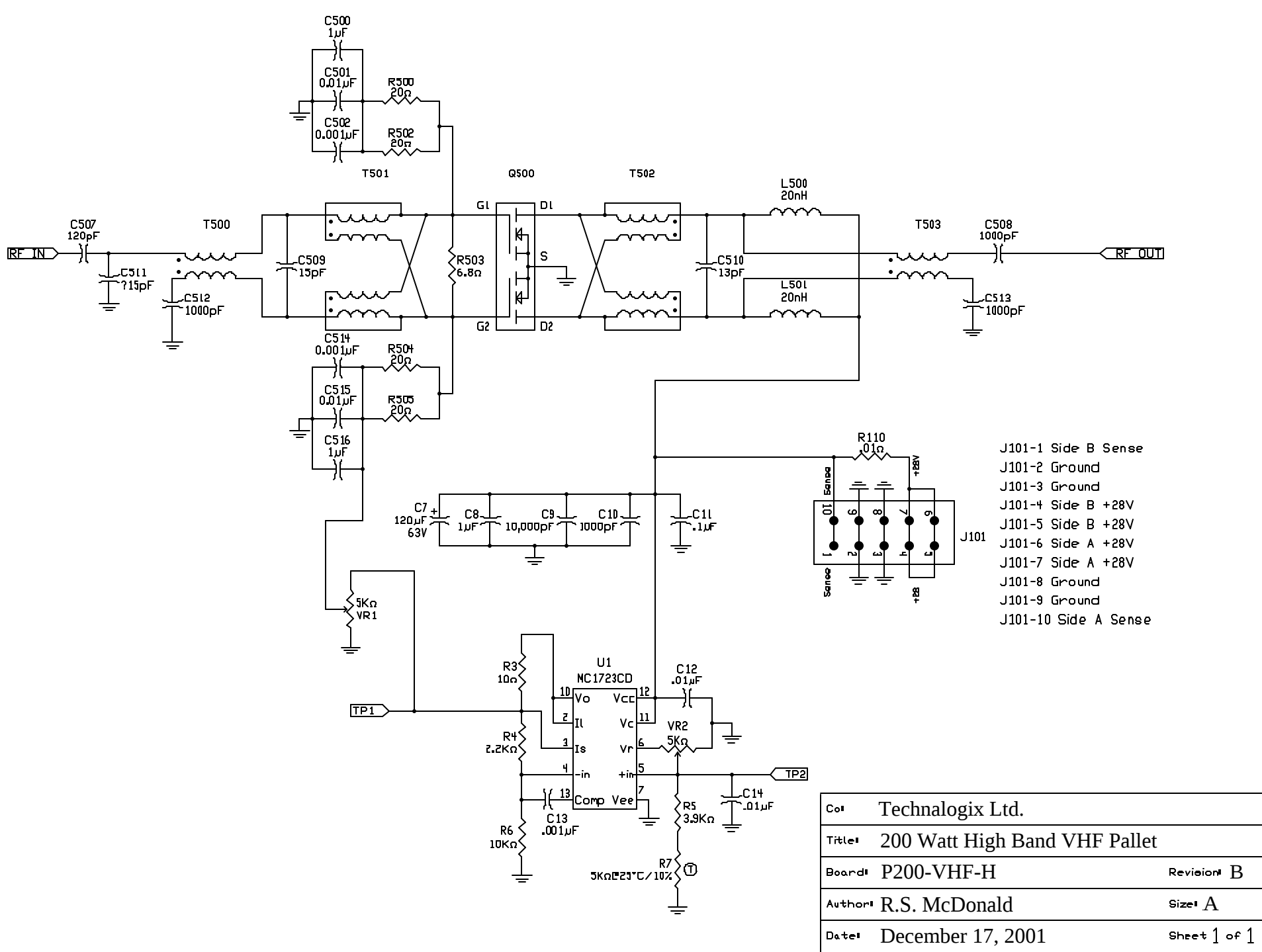
Should you have any questions, please do not hesitate to contact Technalogix:

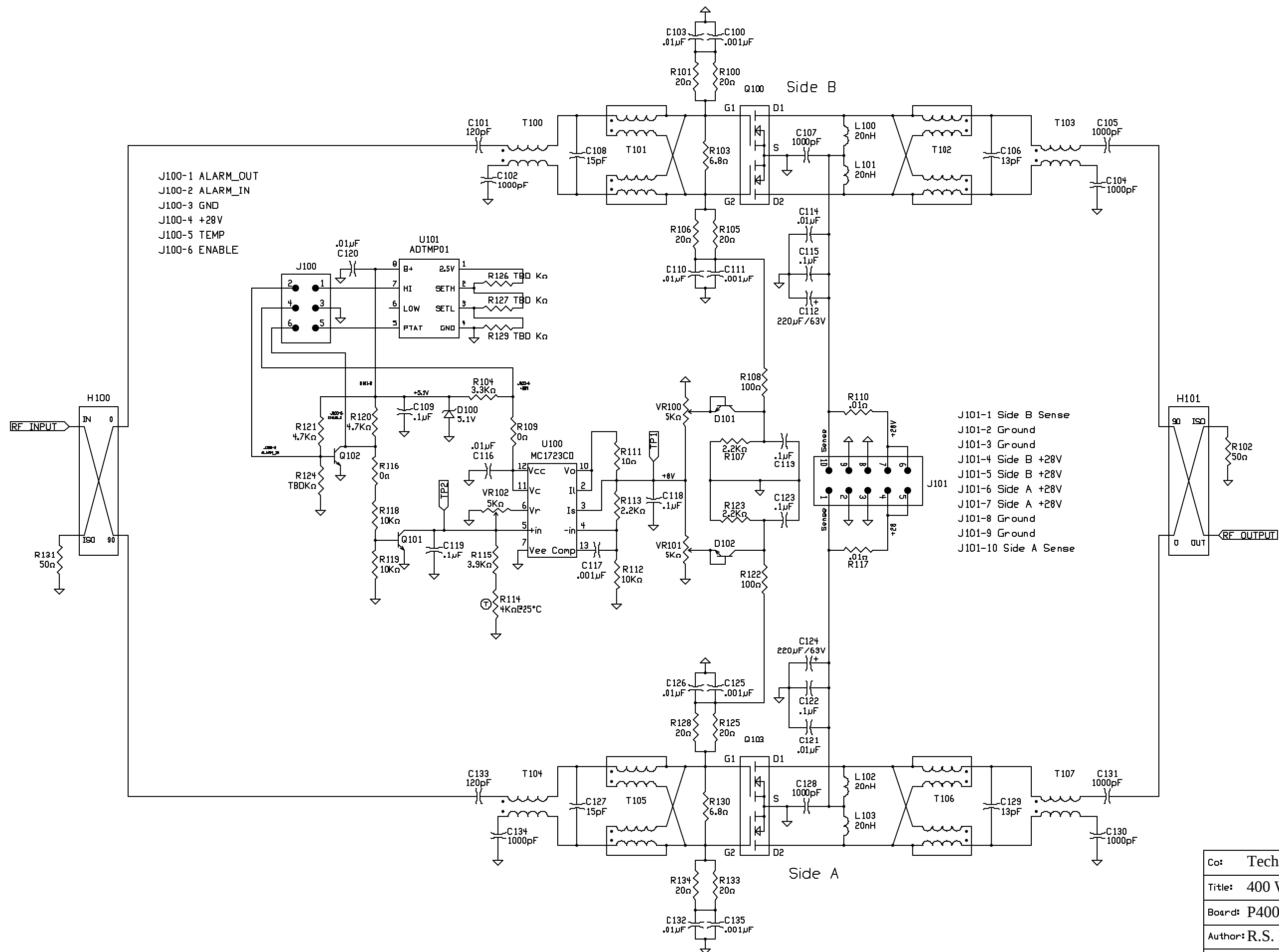
Bob Gullon, President and CEO
bob@technalogix.ca

Aaron Sivacoe, Technical Director
aaron@technalogix.ca



Co:	Technalogix Ltd.		
Title:	25 Watt High Band VHF Pallet		
Board:	PA25-VHF-H	Revision:	B
Author:	S. Kazarian	Size:	B
Date:	November 12, 2001	Sheet	1 of 1

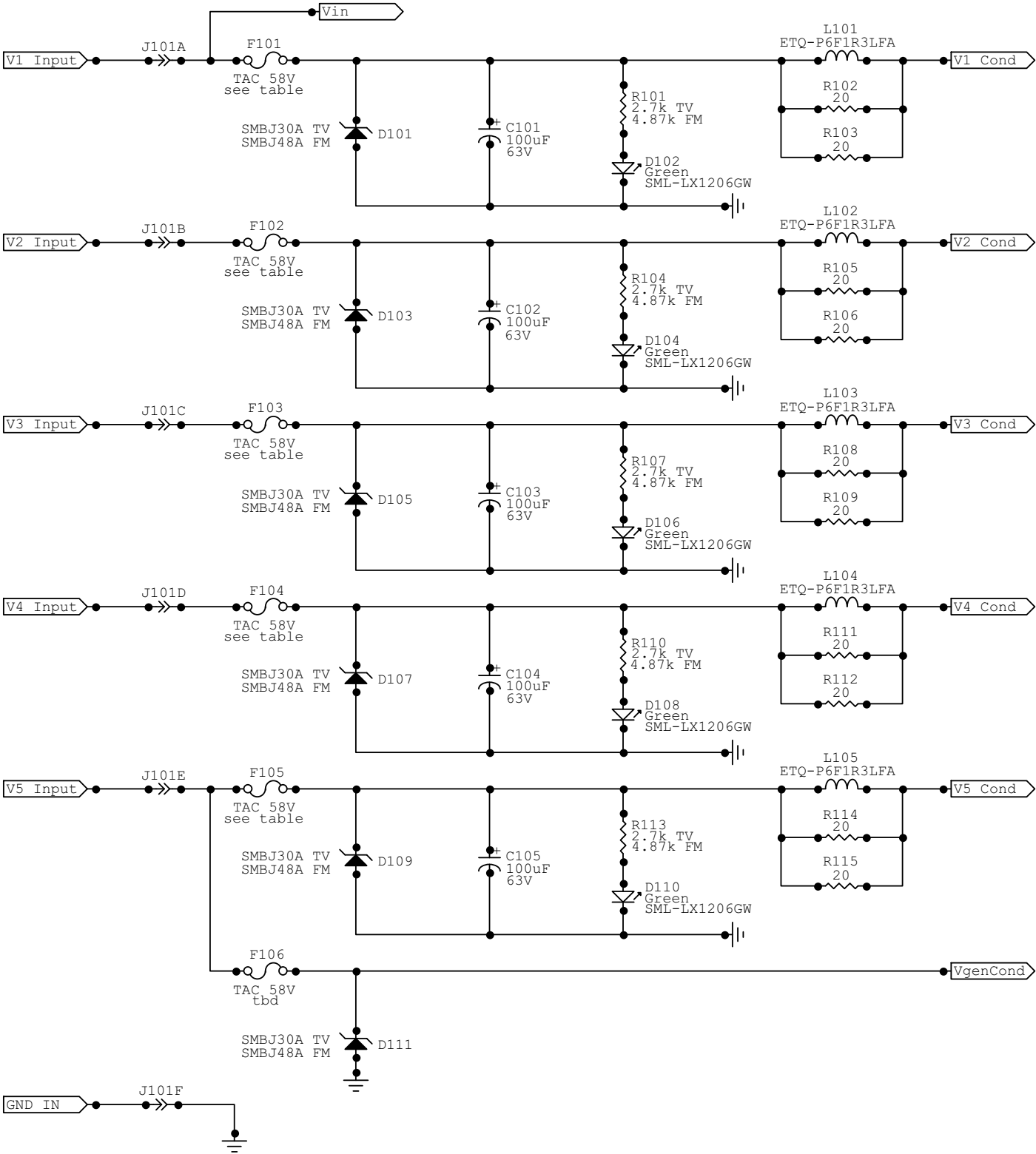




Co:	Technalogix Ltd.		
Title:	400 Watt High Band VHF Pallet		
Board:	P400-VHF-H	Revision:	A
Author:	R.S. McDonald	Size:	B
Date:	July 30, 2001	Sheet	1 of 1

User Interface Module

DC Supply Conditioning



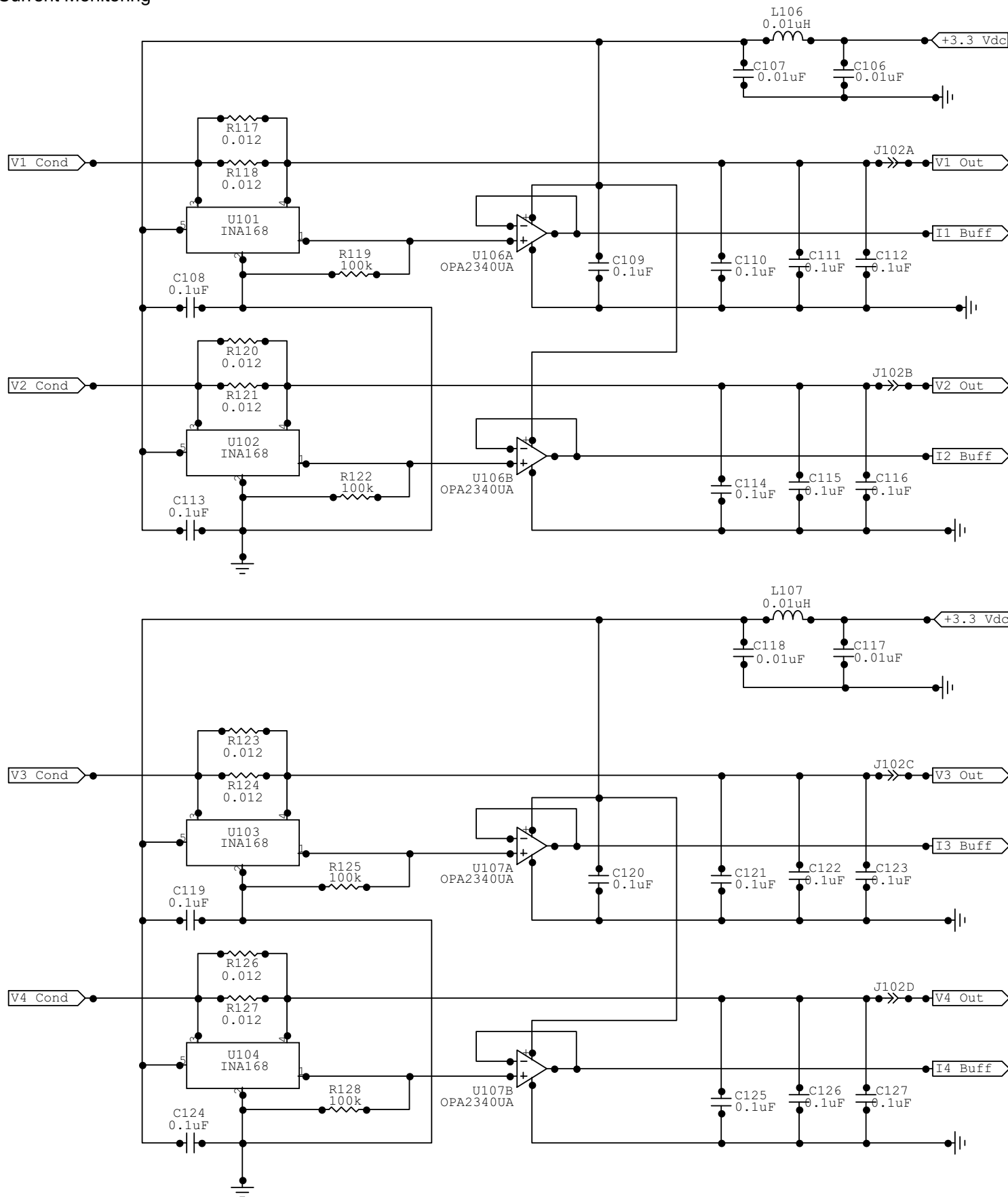
Fuse Table

PA5-UHF	2 A	PA25-VHF-L	4 A
PA10-UHF	3 A	PA25-VHF-H	5 A
P50-UHF	10 A	P200-VHF-L	15 A
P150-UHF	10 A/side	P200-VHF-H	15 A
U60LD UHF	3 A	P400-VHF-L	15 A/side
U200LD UHF	7.5 A/side	P400-VHF-H	10 A/side
P350-FM	15 A		
P750-FM	15 A/side		

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User Interface Module	
Rev B	ID Insight Control System
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User Interface Module

Current Monitoring



A. Sivacoe, N. Hendrickson

User Interface Module

Rev

B

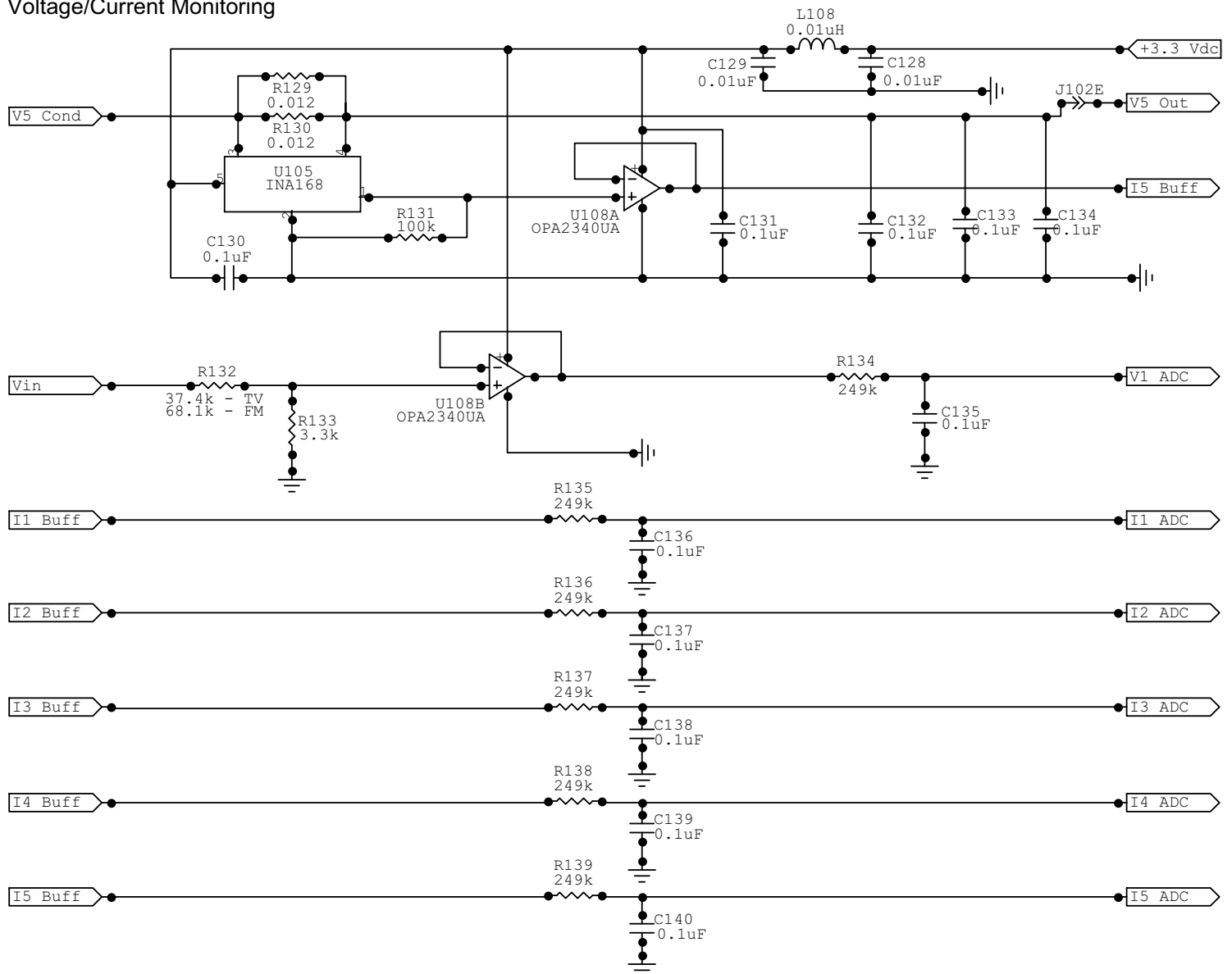
ID

Insight Control System

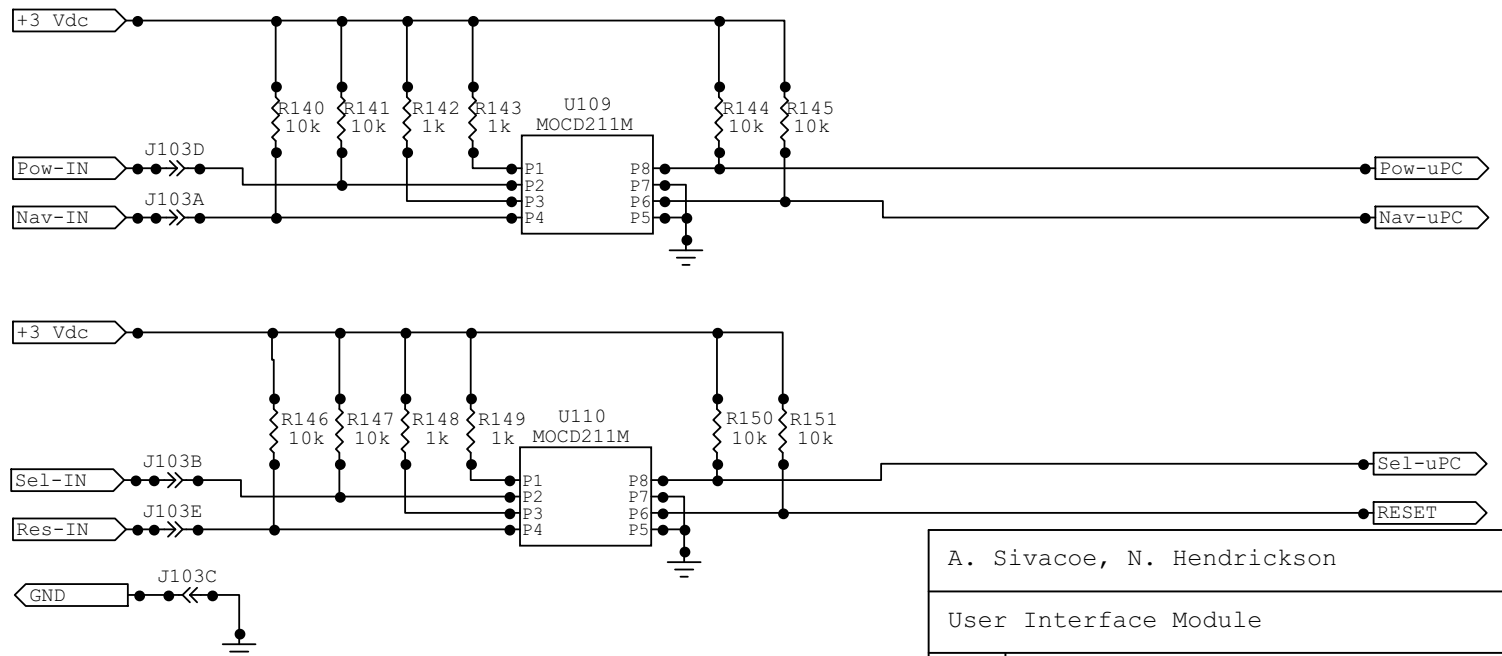
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User Interface Module

Voltage/Current Monitoring

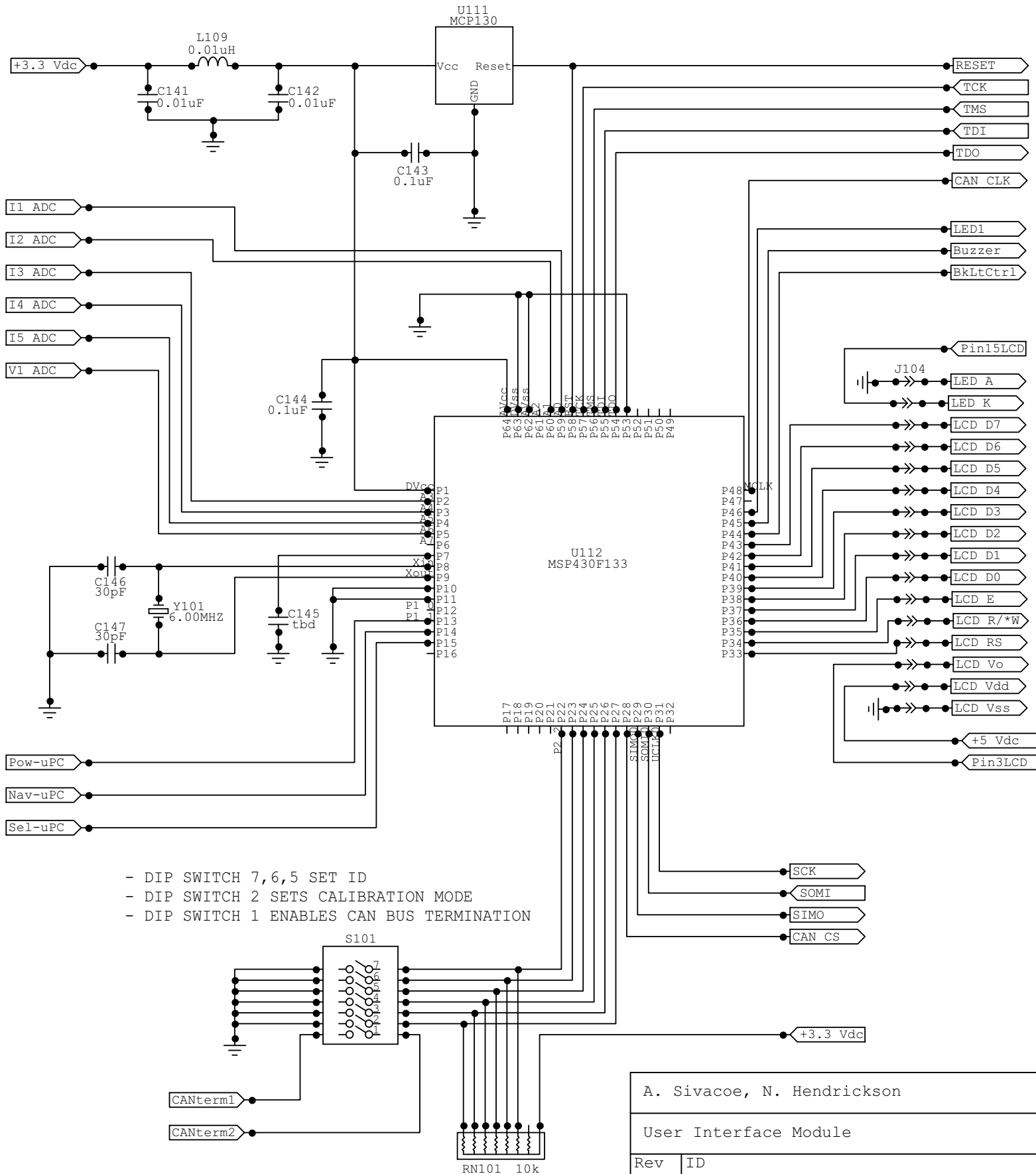


Membrane Switch Inputs



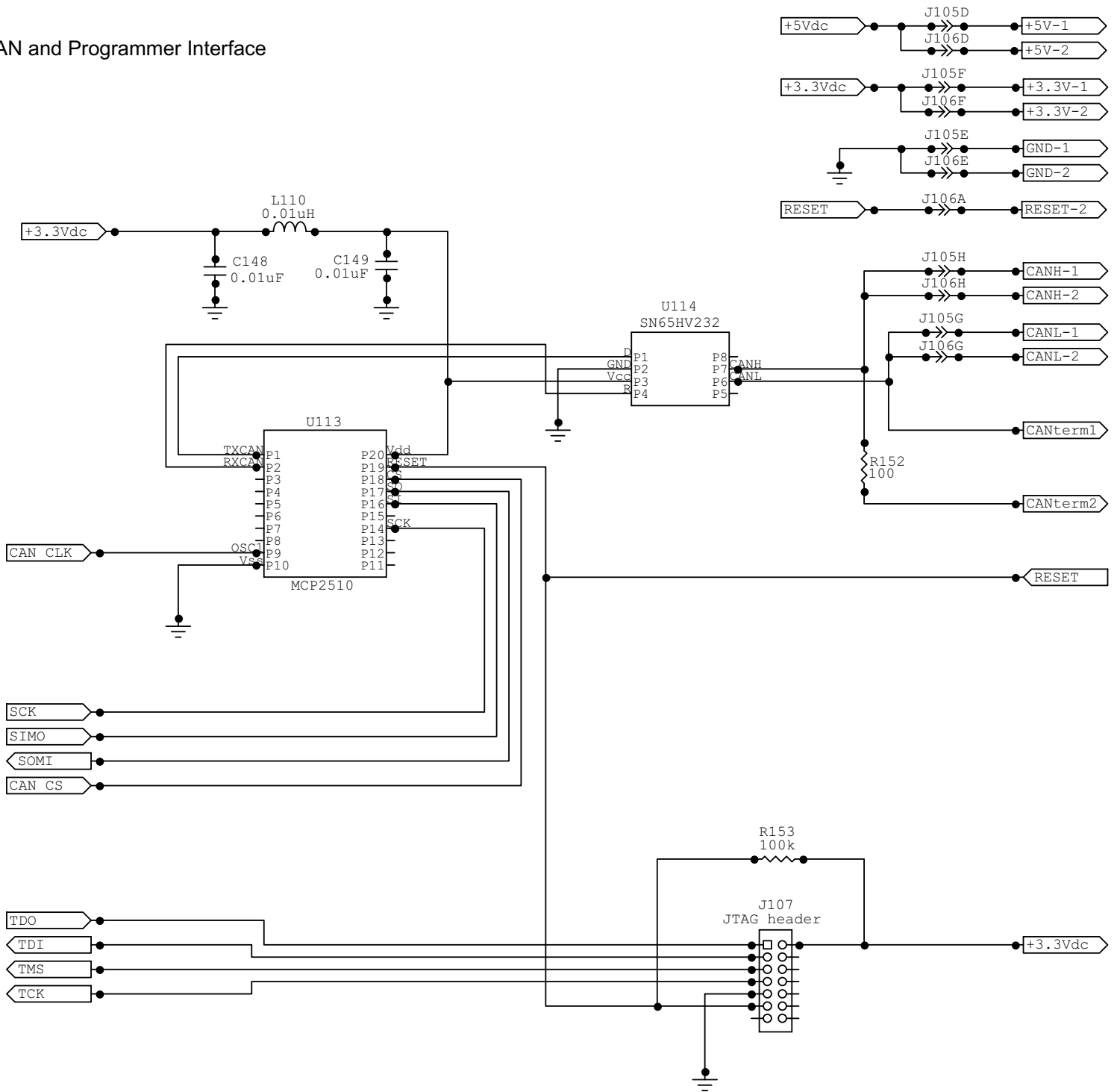
User Interface Module

Microcontroller



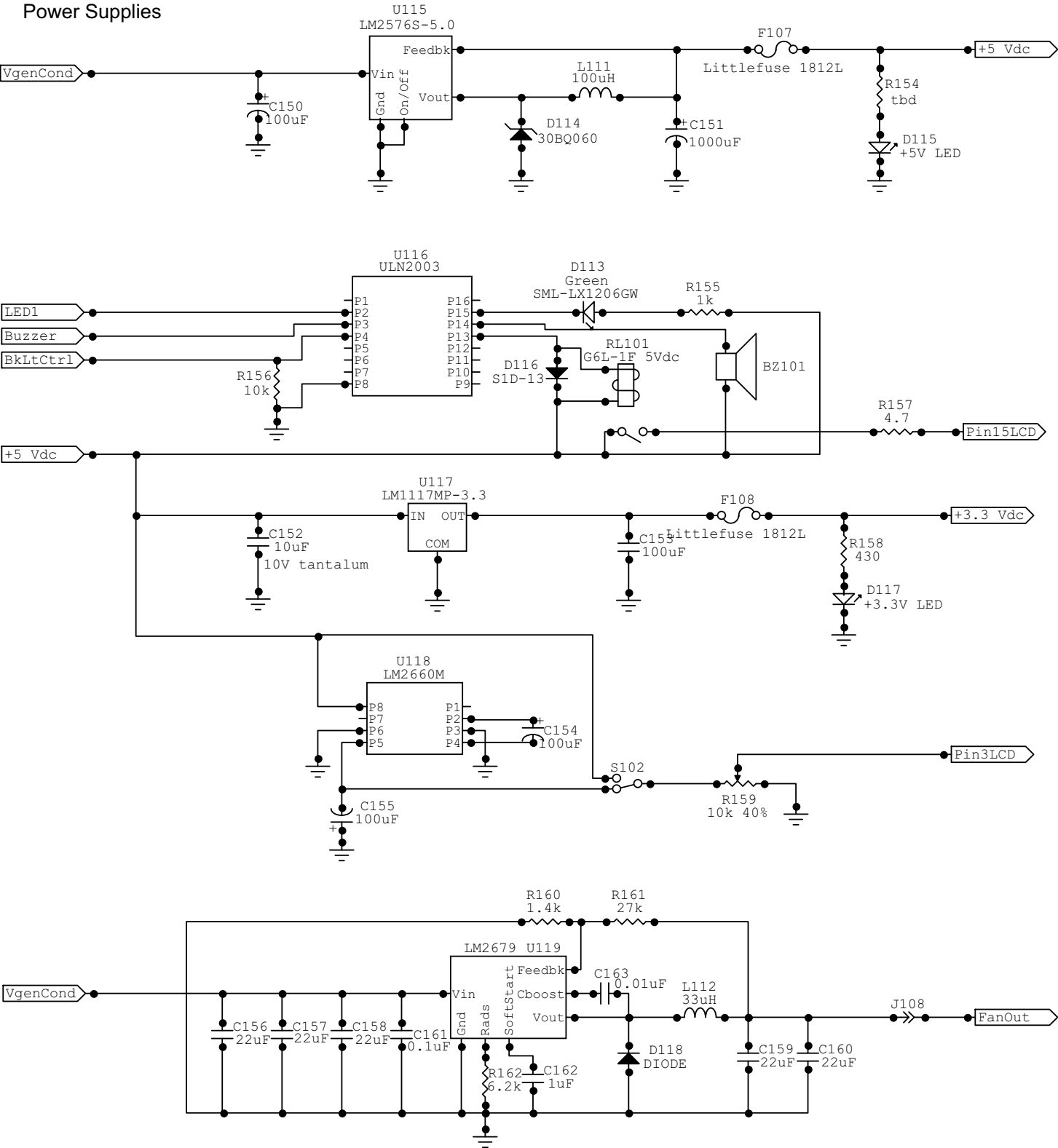
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User Interface Module	
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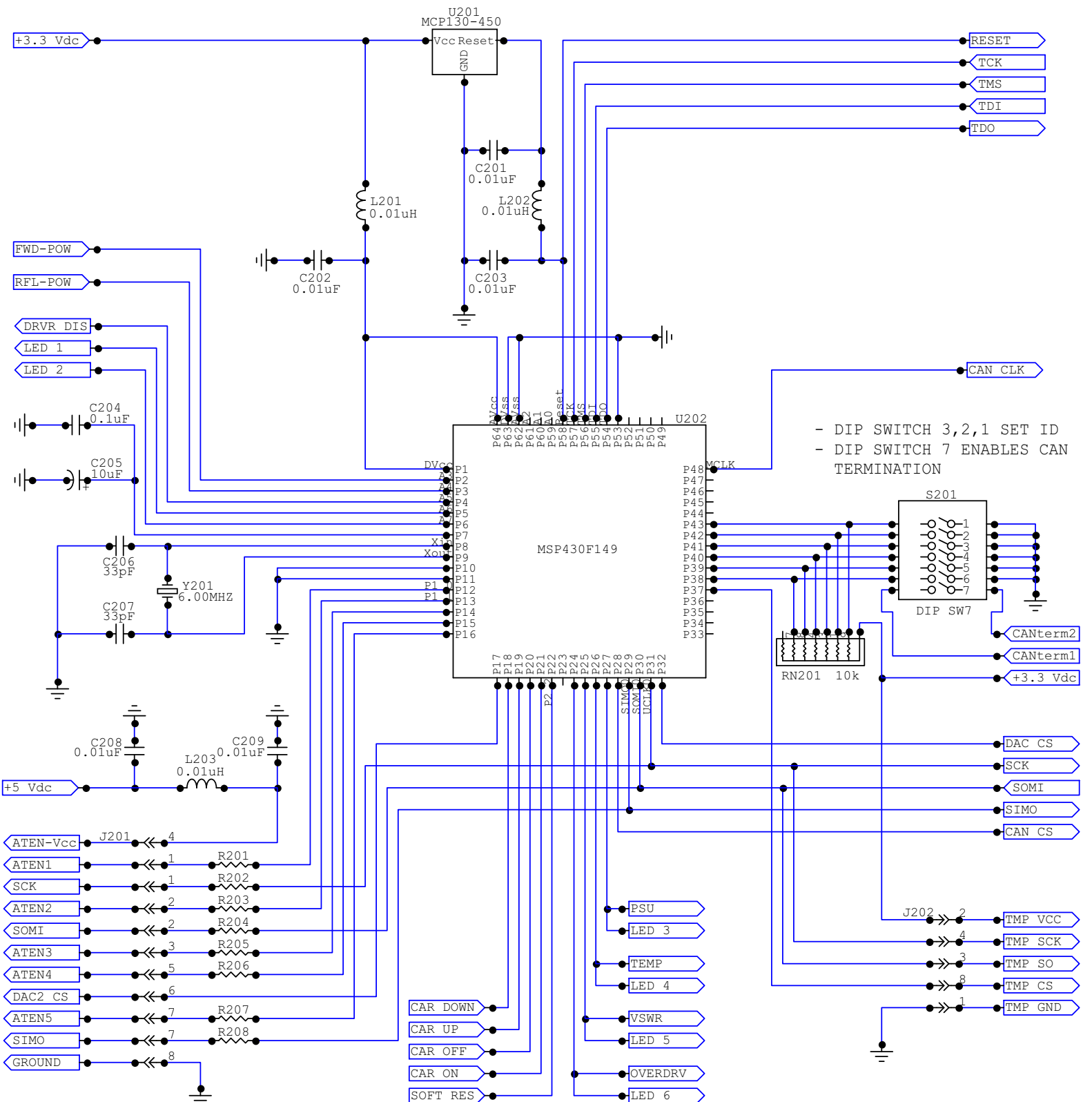
User Interface Module

Power Supplies



Coupler Conditioning Module

Microcontroller



A. Sivacoe

Coupler Conditioning

Rev

1.10

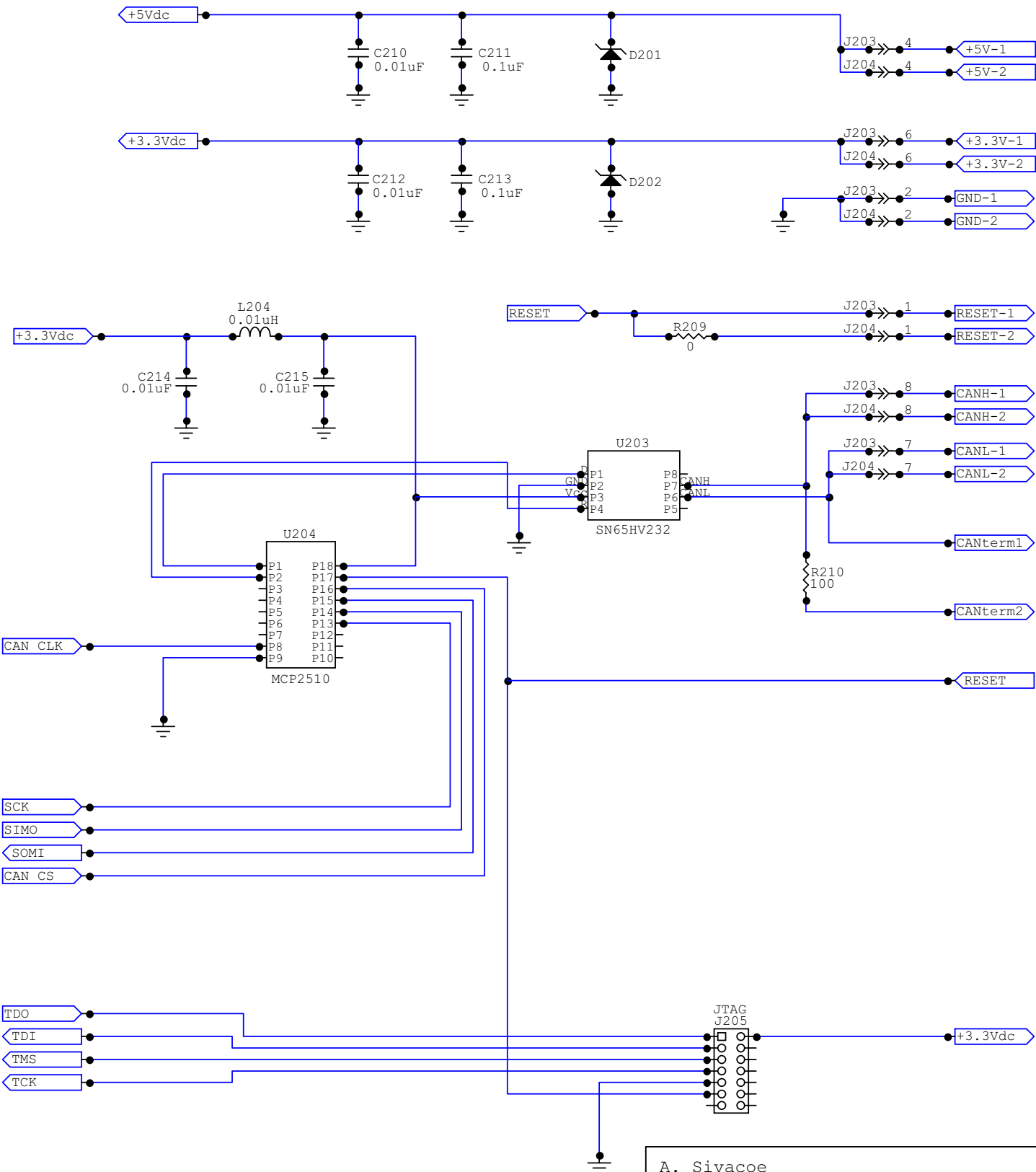
ID

Insight Control System

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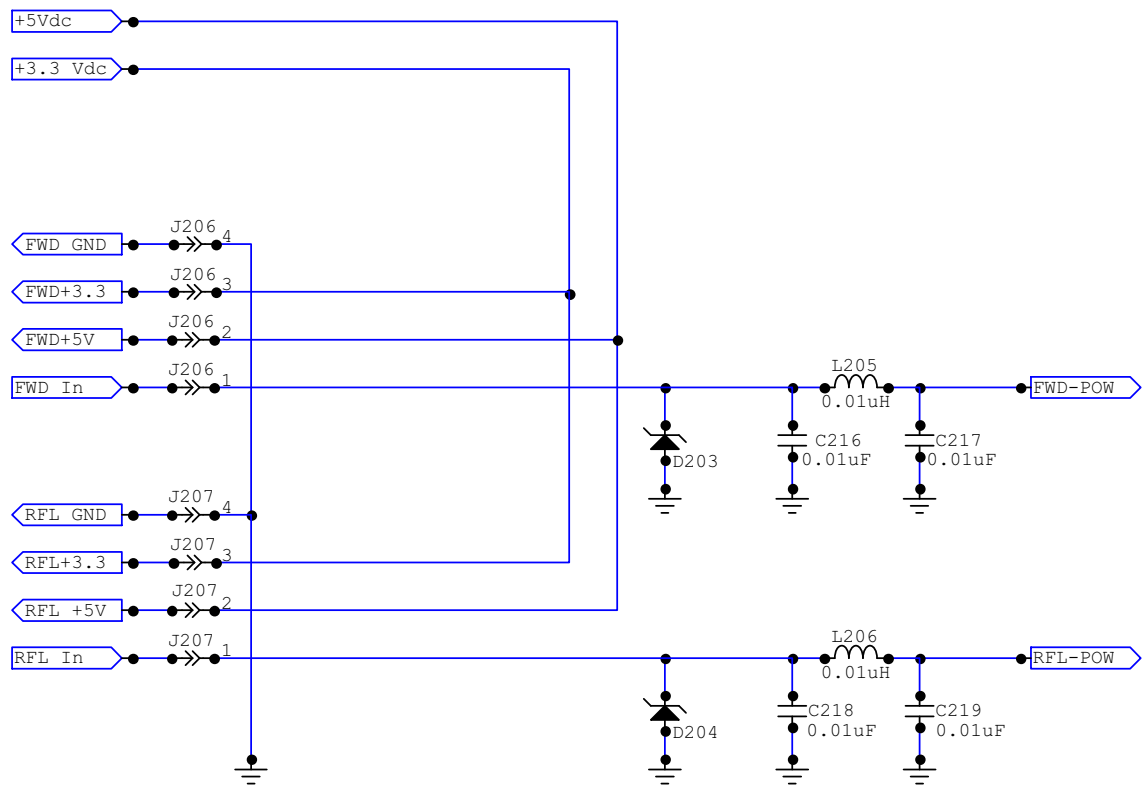
Coupler Conditioning Module

CAN and Programmer Interface

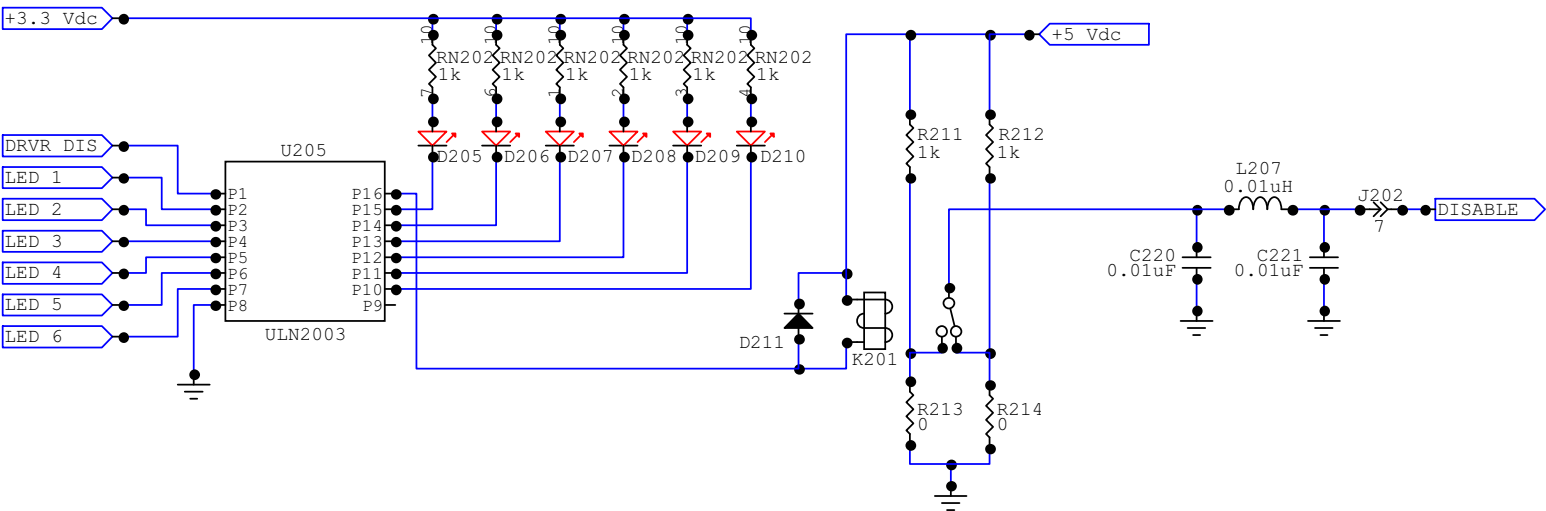


Coupler Conditioning Module

Coupler Input



Interface



[illegible]

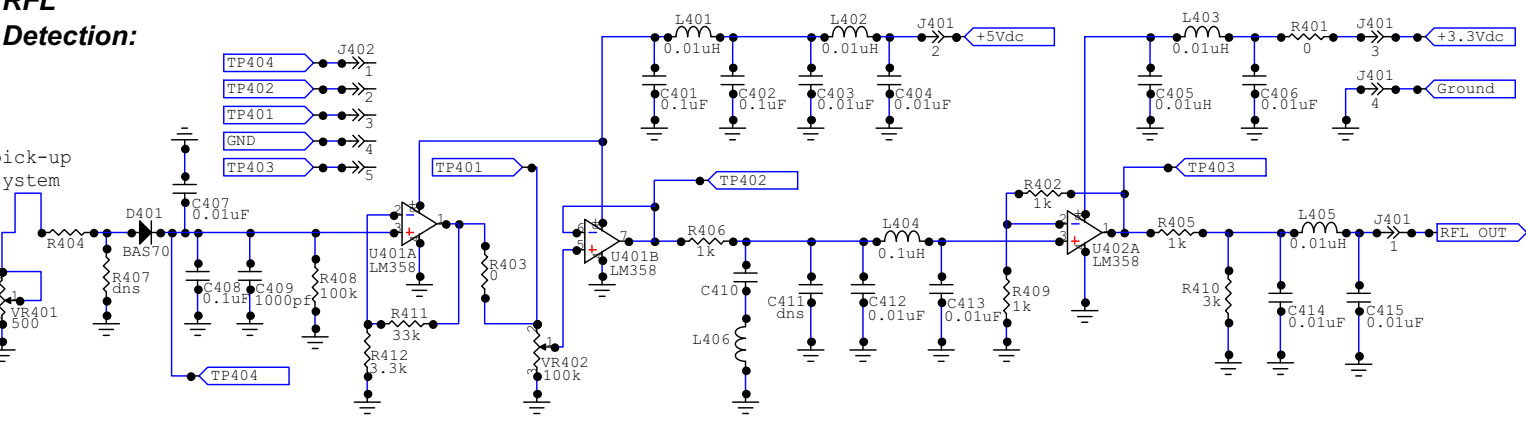
The schematic diagram illustrates the Remote Access Port (RAP) circuit. It features three MOCD211M optocouplers (U210, U211, U212) used for signal isolation and level shifting. The circuit is powered by a +5 Vdc supply and a +3.3 Vdc supply. Key components and connections include:

- U210:** Receives VSWR and OVERDRV signals. Its output is connected to the CAR OFF and CAR ON signals.
- U211:** Receives TEMP and PSU signals. Its output is connected to the CAR UP and CAR DOWN signals.
- U212:** Receives RFL-OUT and FWD-OUT signals. Its output is connected to the SOFT RES and RESET signals.

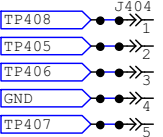
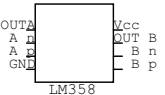
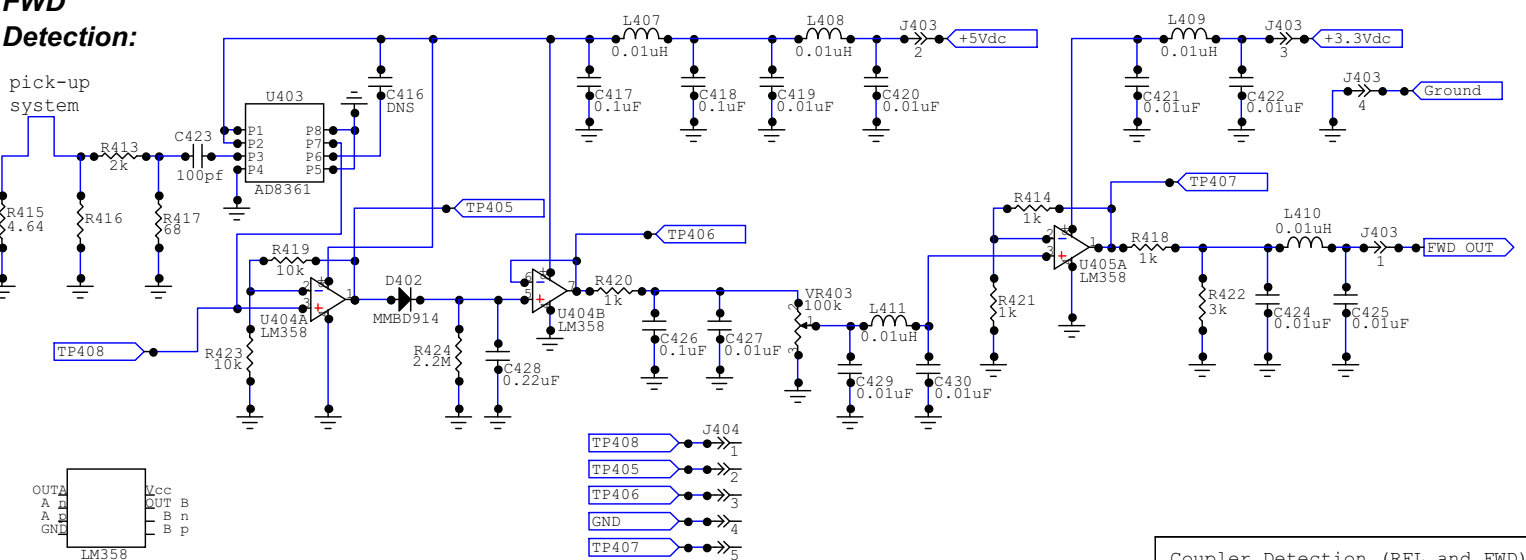
Resistor values are specified for each connection, including 1k, 10k, 20k, and 205k. The diagram also shows the connection of the RAP to the J208 and J209 connectors.

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**RFL
Detection:**

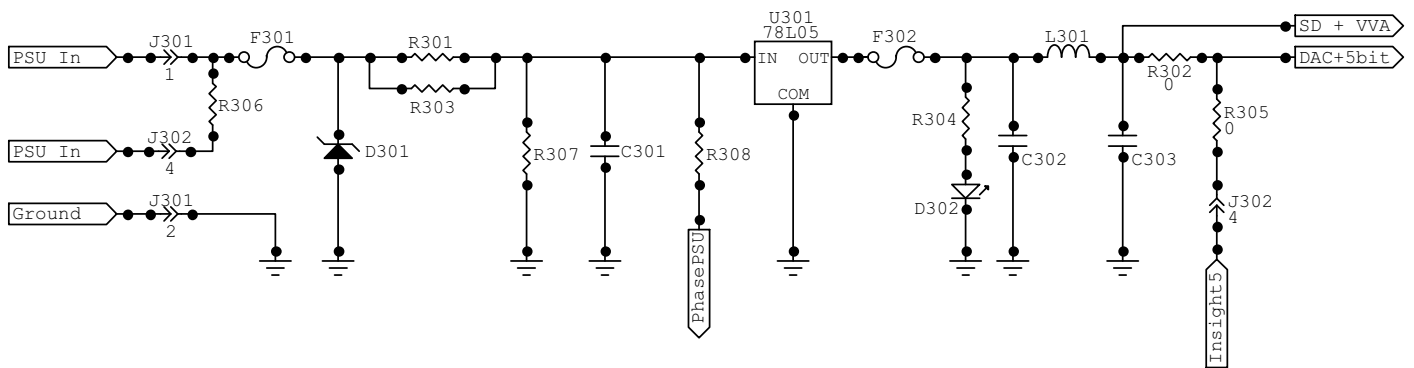


**FWD
Detection:**

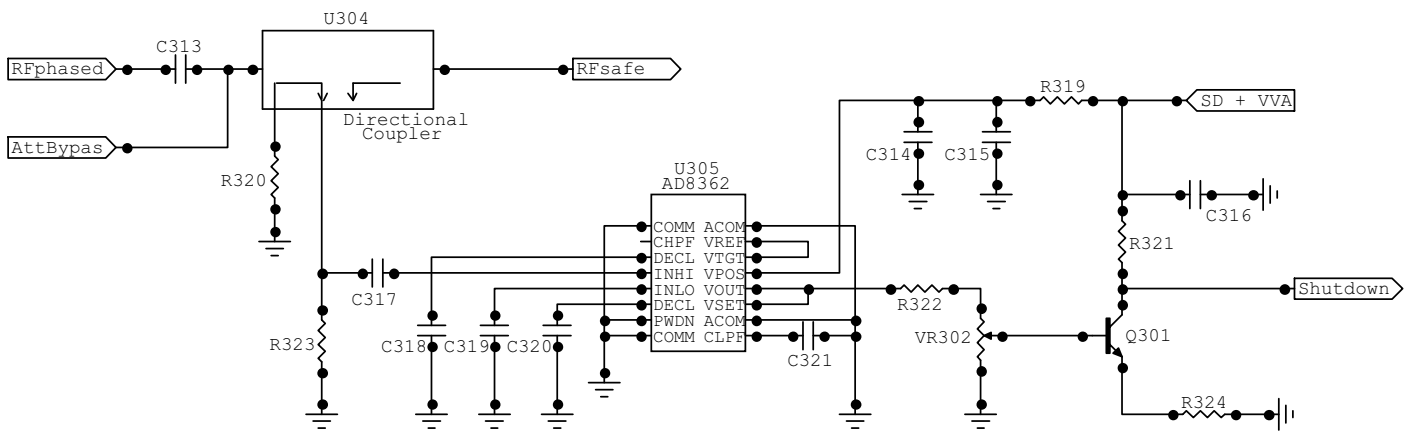


Coupler Detection (RFL and FWD)	
Rev	ID
3.05	A. Florey, A. Sivacoe
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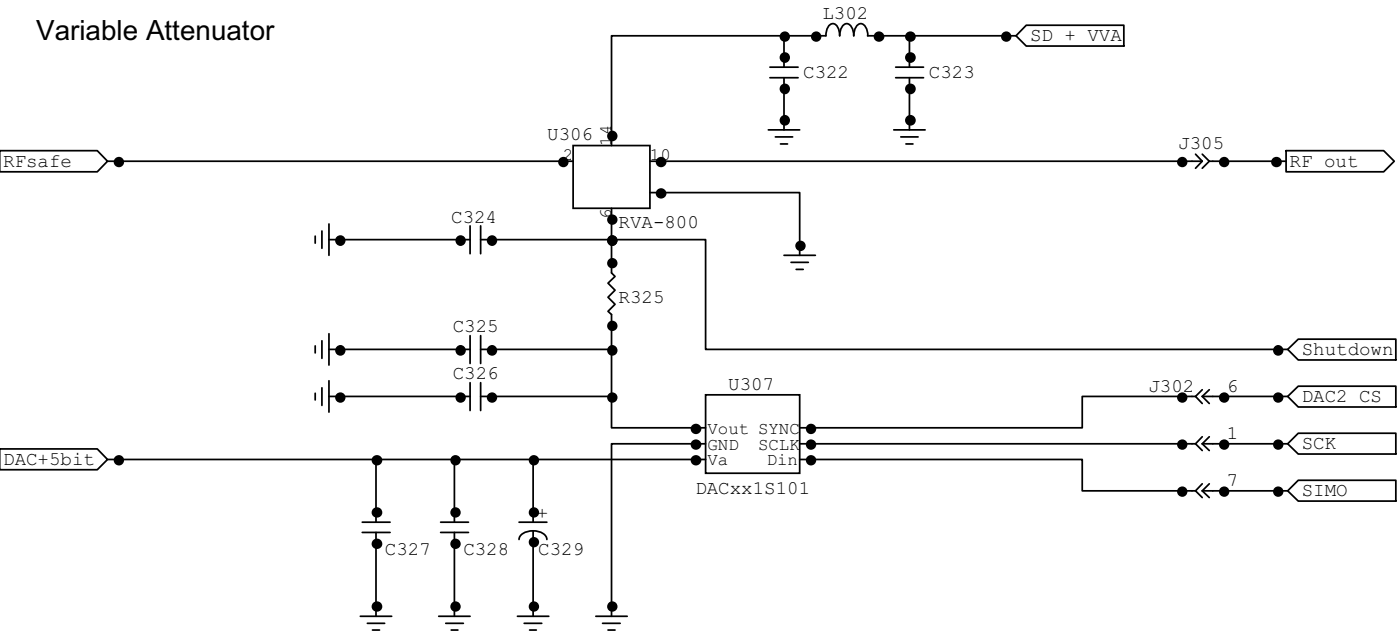
External Power Supply



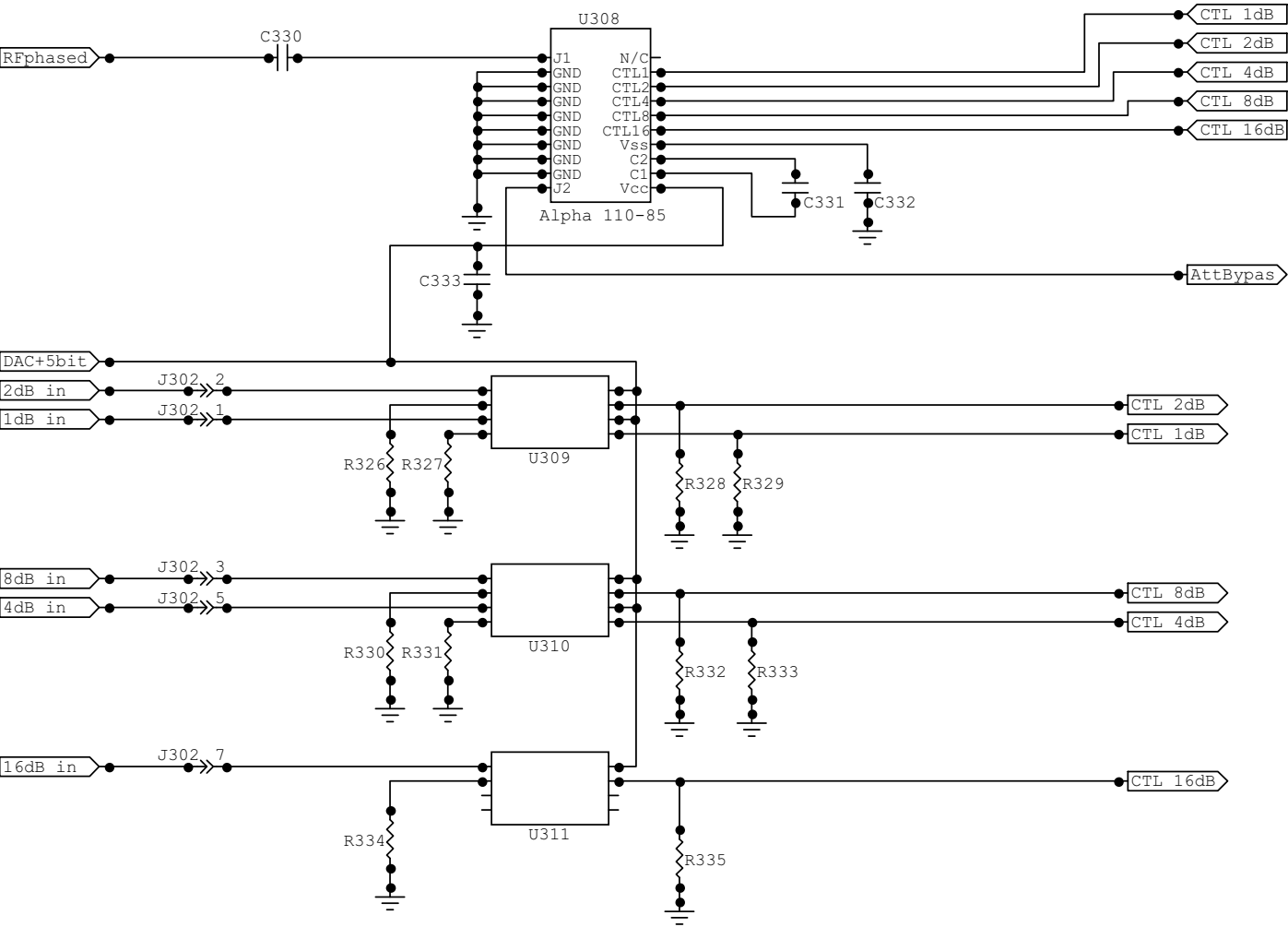
High Speed Shutdown

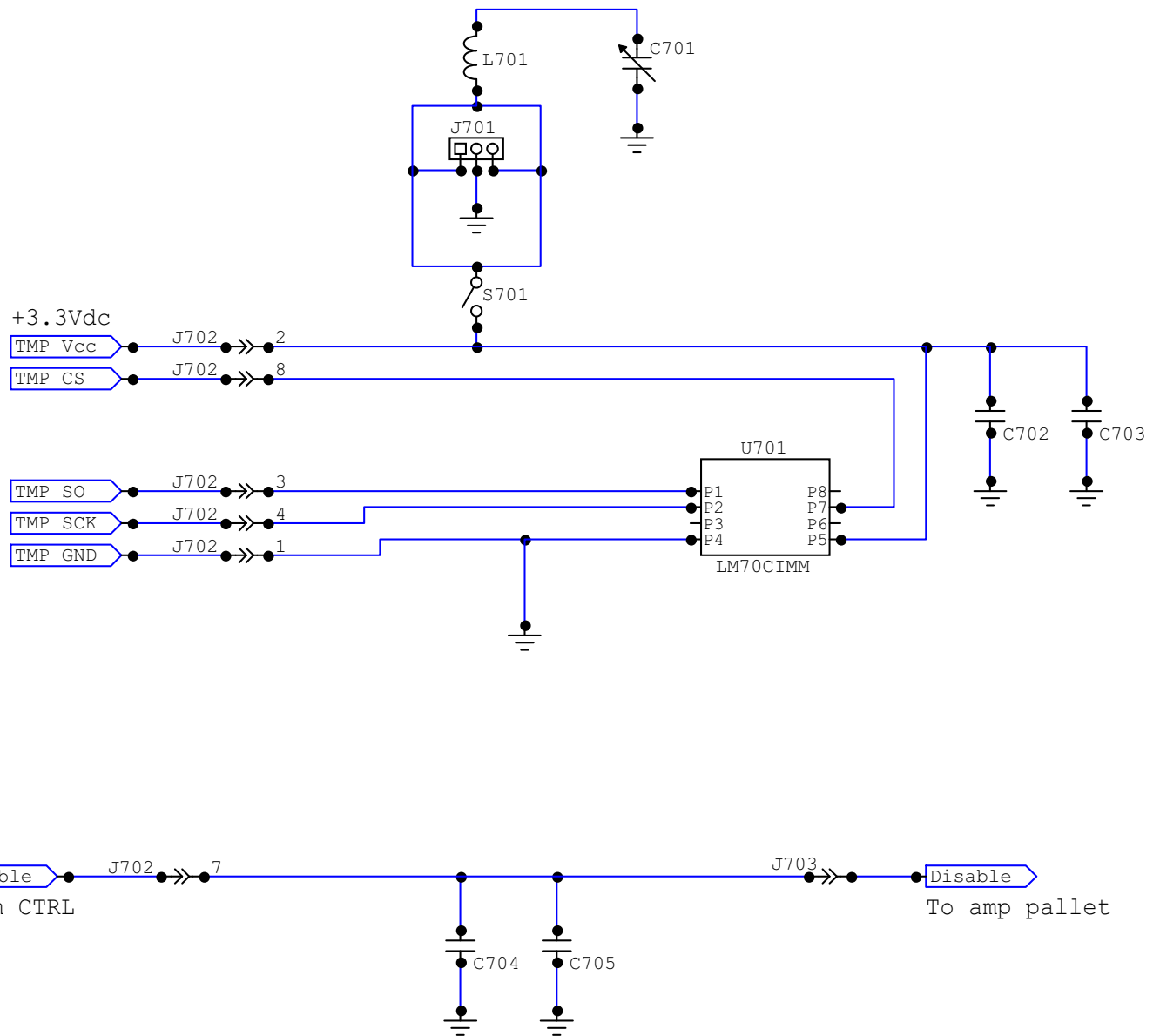


Variable Attenuator



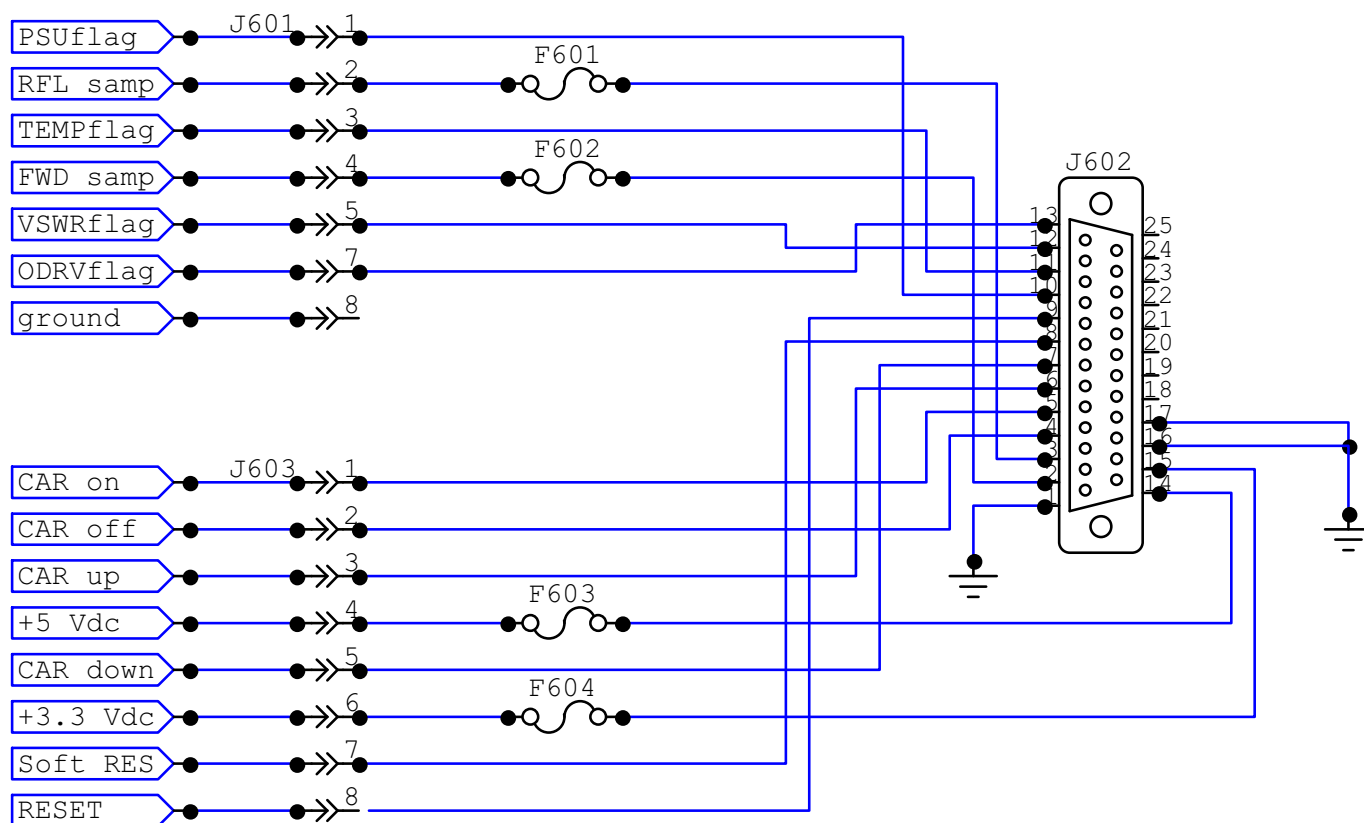
Digital Attenuator





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A. Sivacoe	
Temperature Sensor Board	
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