

March 16, 2009

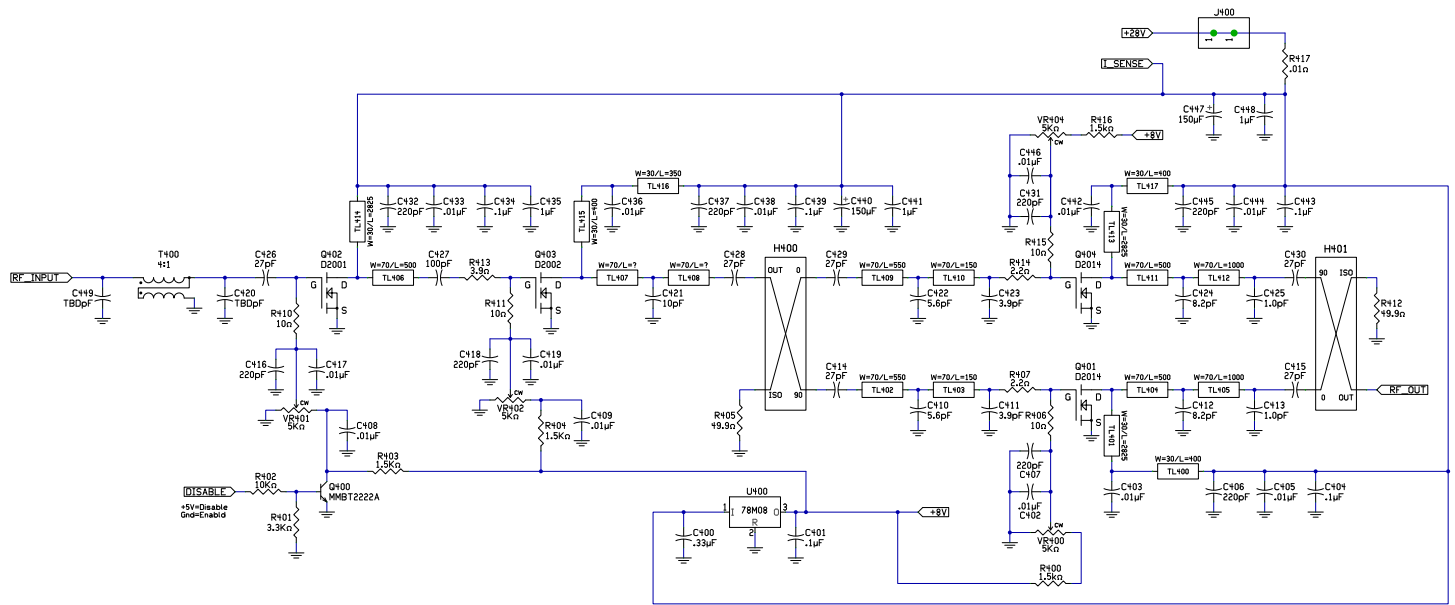
Schematic Diagram

TLUD-30

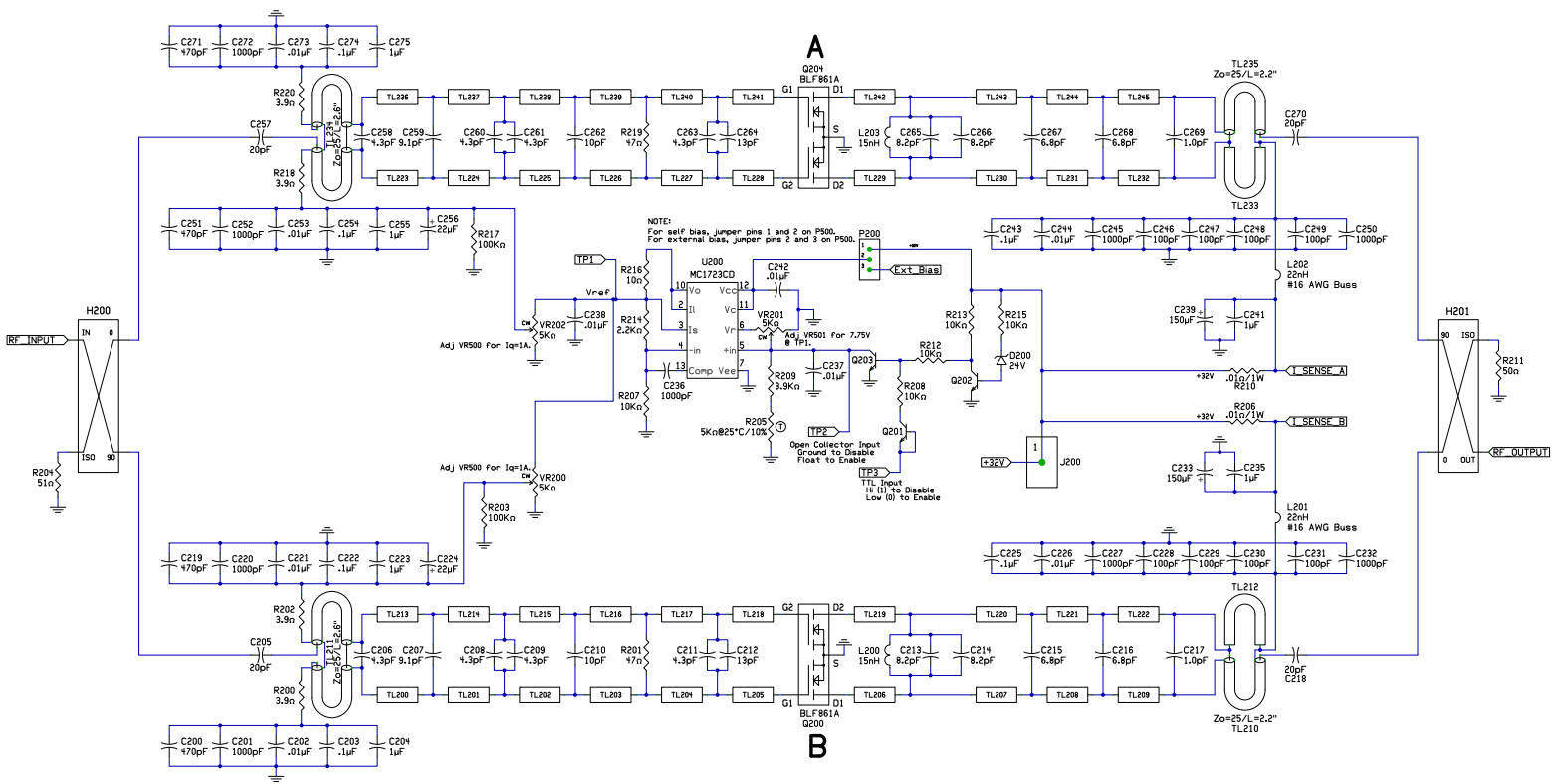
Should you have any questions, please do not hesitate to contact Technalogix:

Bob Gullon, President and CEO
bob@technalogix.ca

Aaron Sivacoe, Technical Director
aaron@technalogix.ca



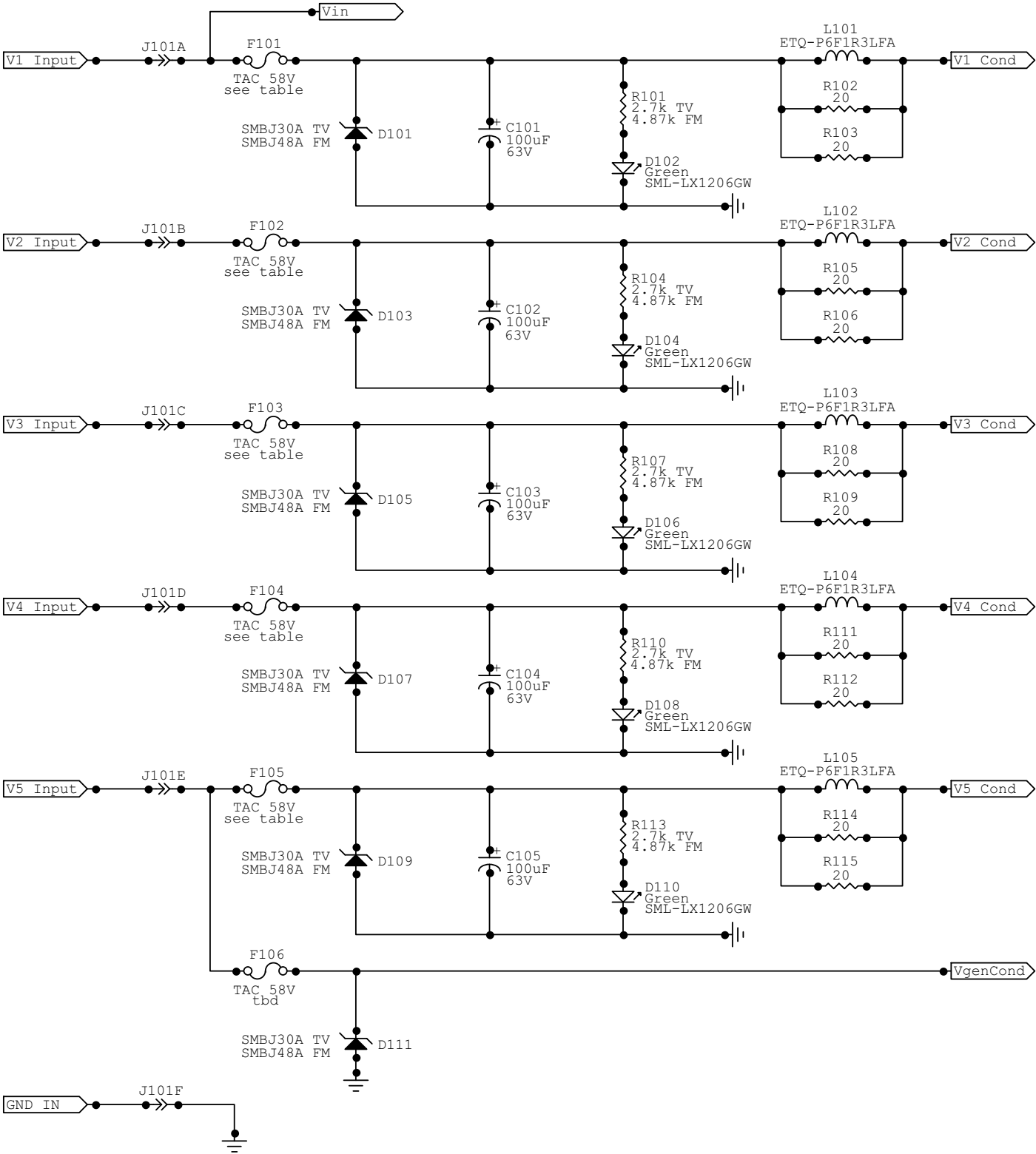
Co:	Power Module Technology, Inc		
Title:	Class "A" 470-860MHz 10W		
Board:	10002 UHFTV-10	Revision:	C
Author:	R.S. McDonald	Size:	B
Date:	9-21-07	Sheet	1 of 1



Cor:	IMT RF Products, LLC		
Title:	150W PK-SYNC 470-860 MHz		
Board:	10003 UHFTV-150	Revision:	A
Author:	R.S. McDonald	Size:	B
Date:	Nov 28, 2004	Sheet	1 of 1

User Interface Module

DC Supply Conditioning



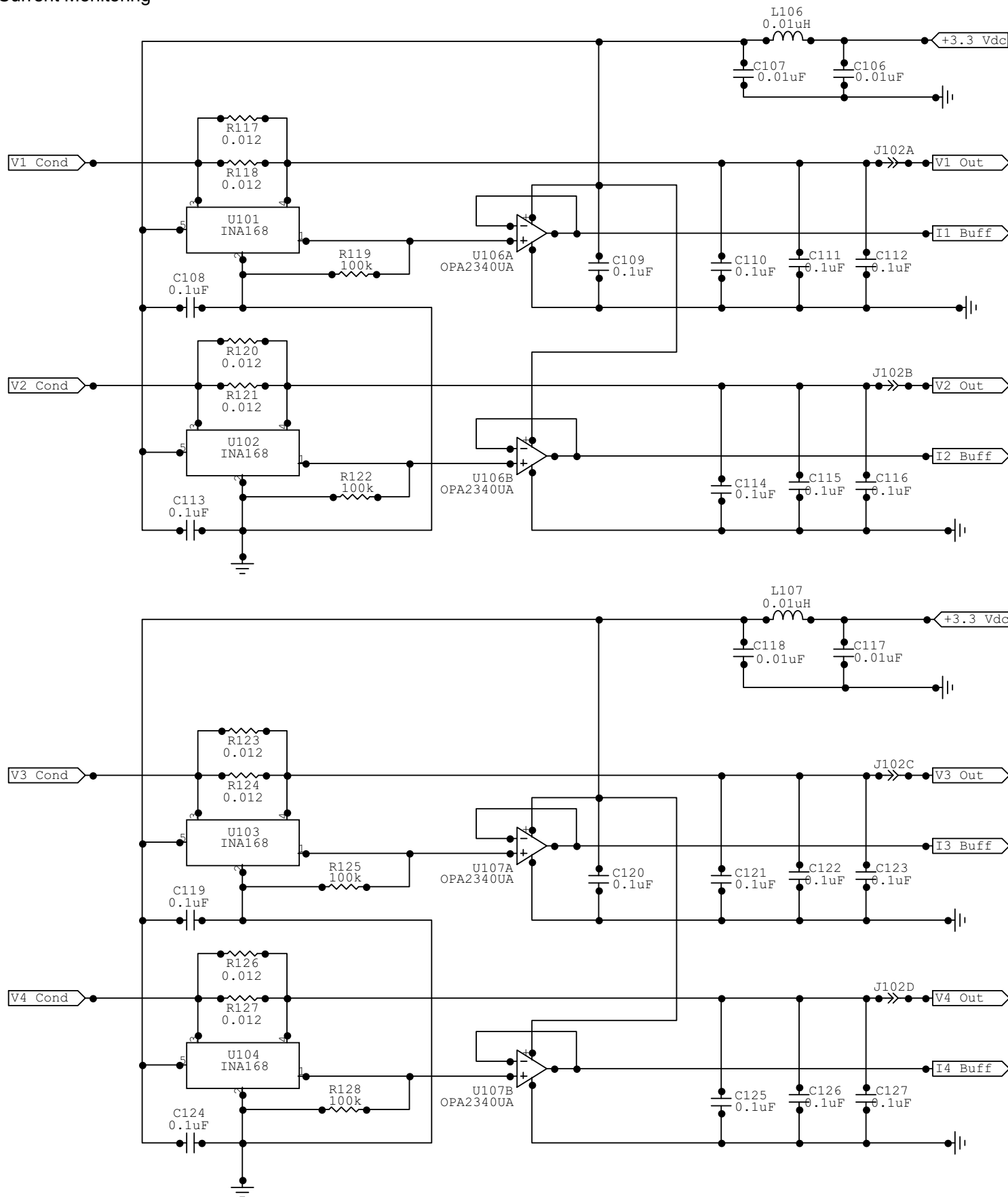
Fuse Table

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		

A. Sivacoe, N. Hendrickson	
User Interface Module	
Rev B	ID Insight Control System
Date: April 30, 2005	Page: 1 of 9

User Interface Module

Current Monitoring



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User Interface Module

Rev

ID

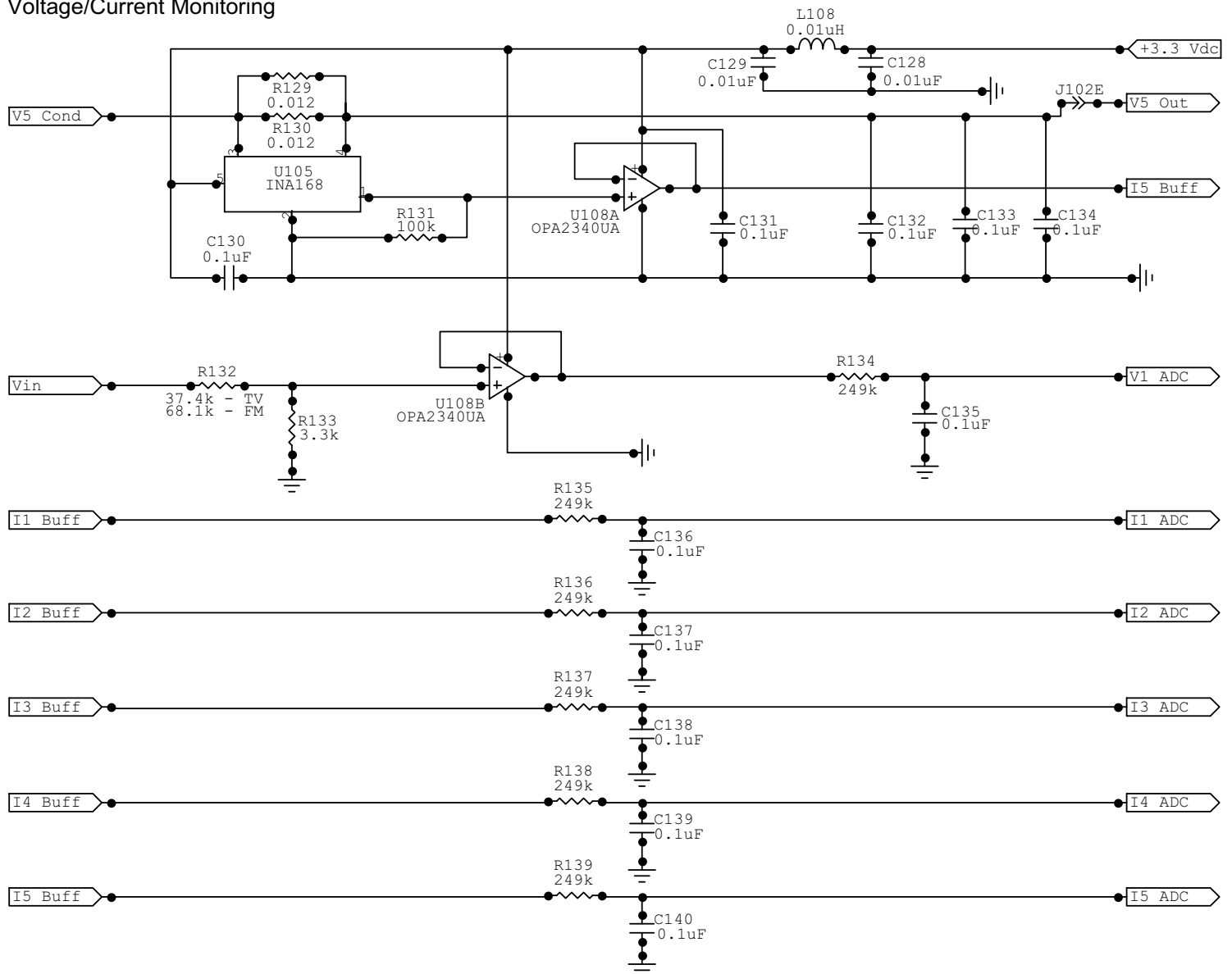
B

Insight Control System

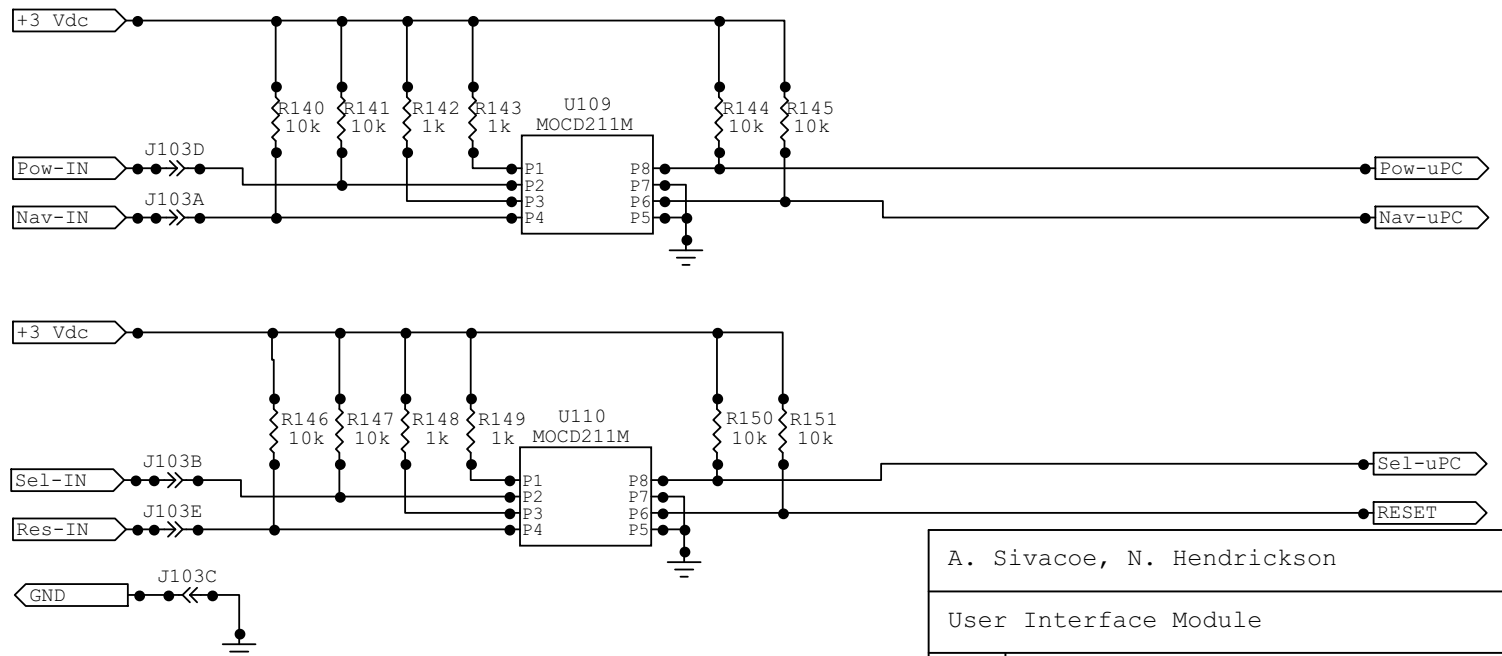
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User Interface Module

Voltage/Current Monitoring

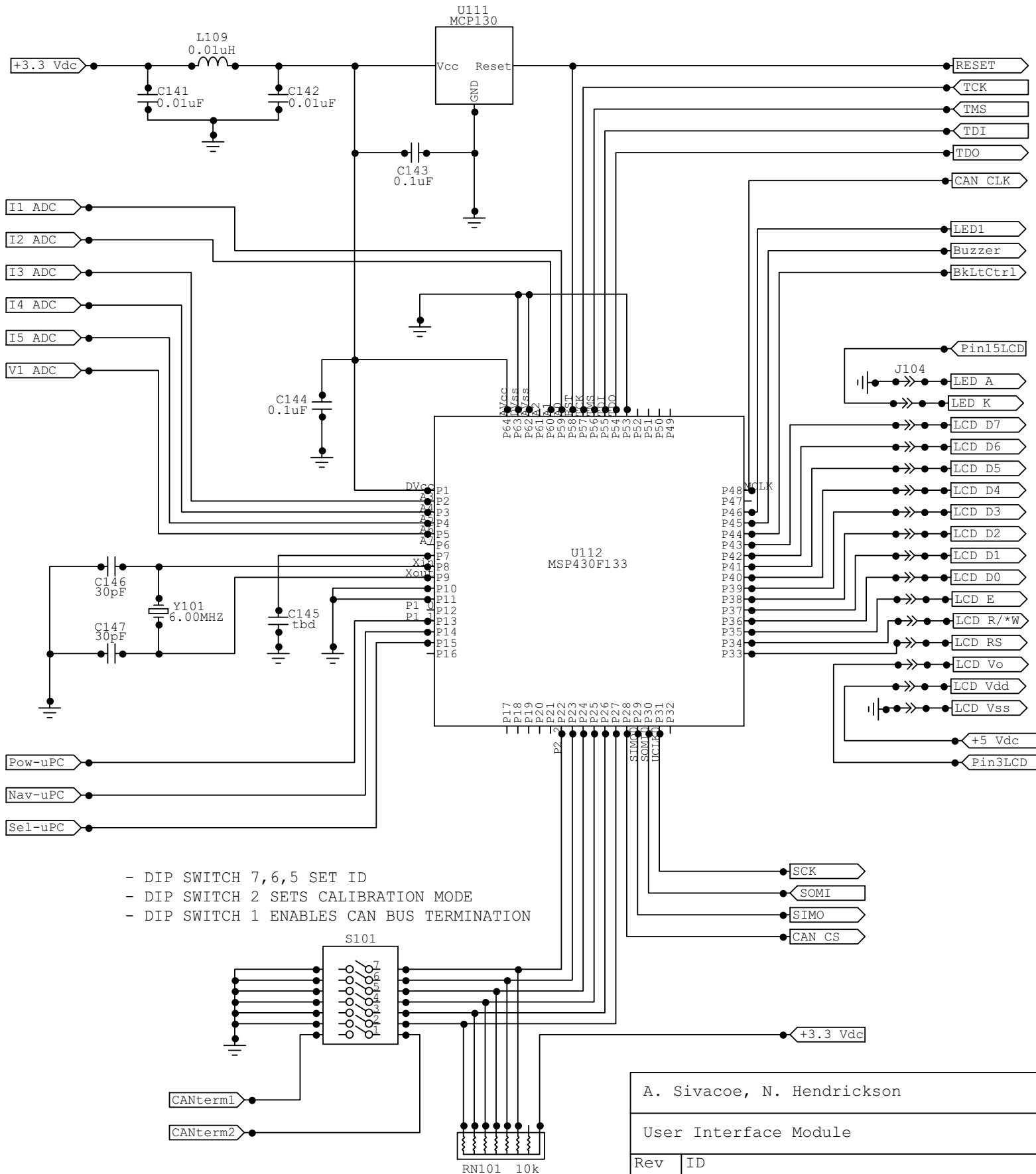


Membrane Switch Inputs



User Interface Module

Microcontroller



- DIP SWITCH 7,6,5 SET ID
- DIP SWITCH 2 SETS CALIBRATION MODE
- DIP SWITCH 1 ENABLES CAN BUS TERMINATION

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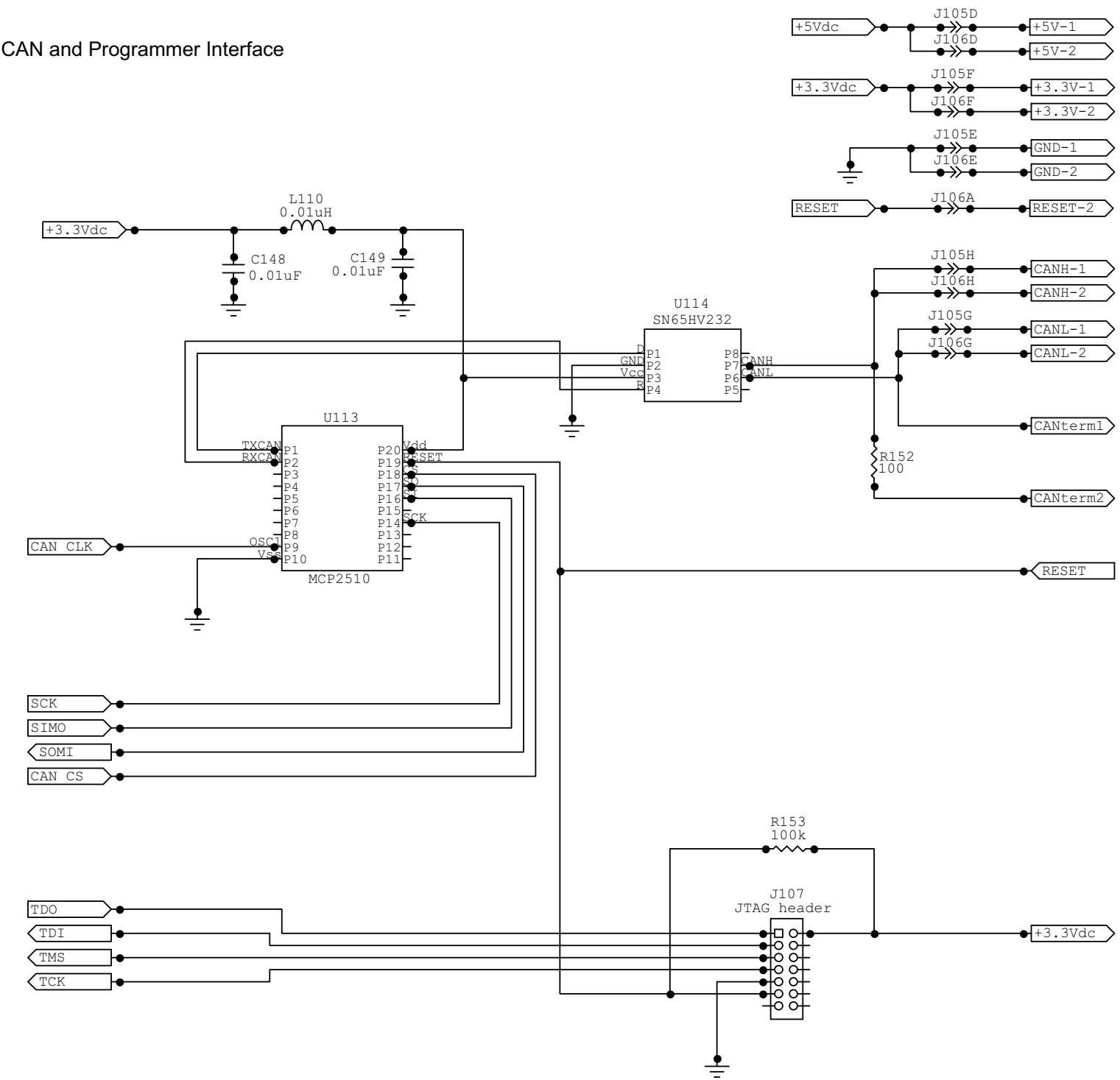
User Interface Module

Rev	ID
B	Insight Control System

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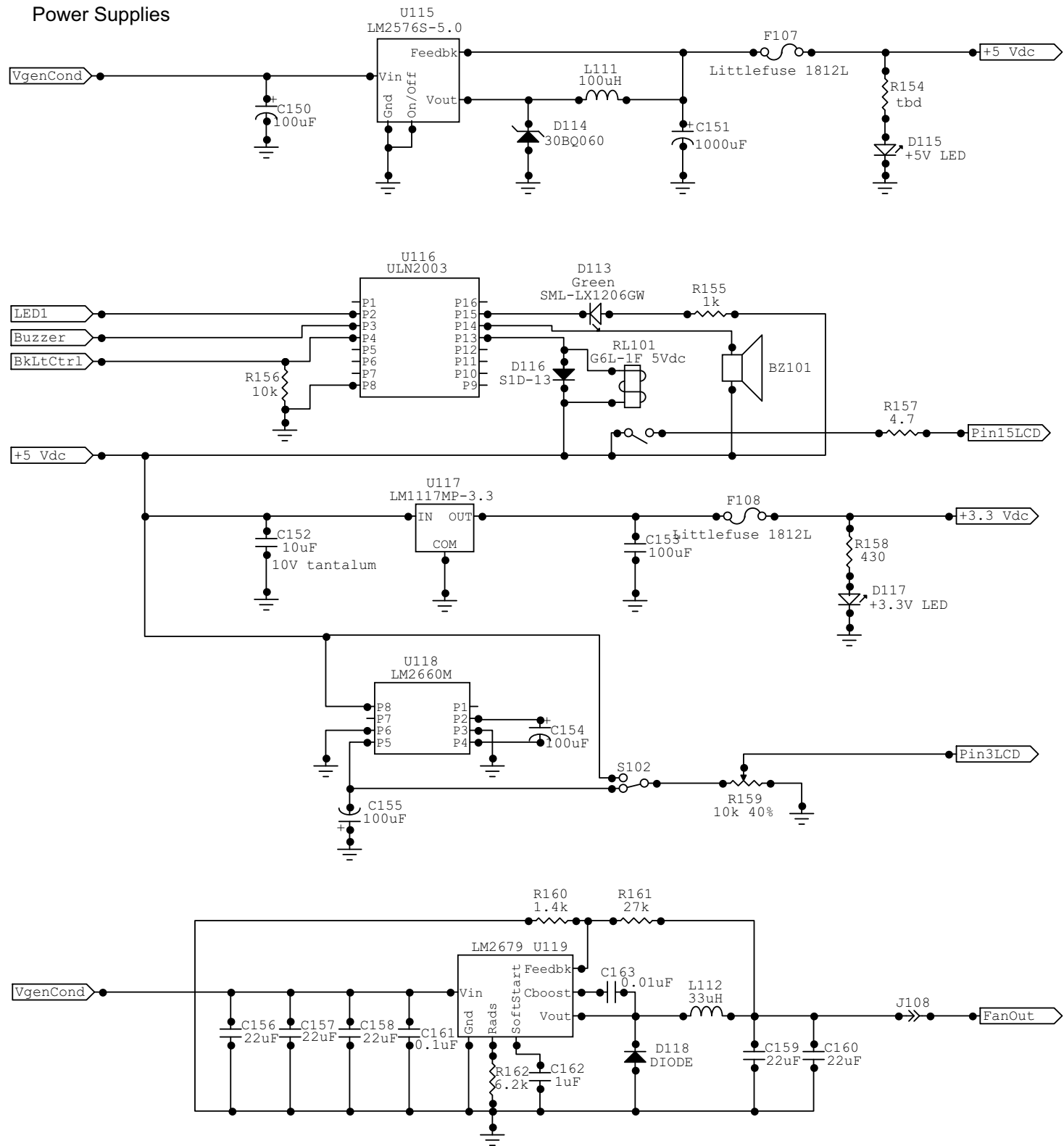
User Interface Module

CAN and Programmer Interface



User Interface Module

Power Supplies



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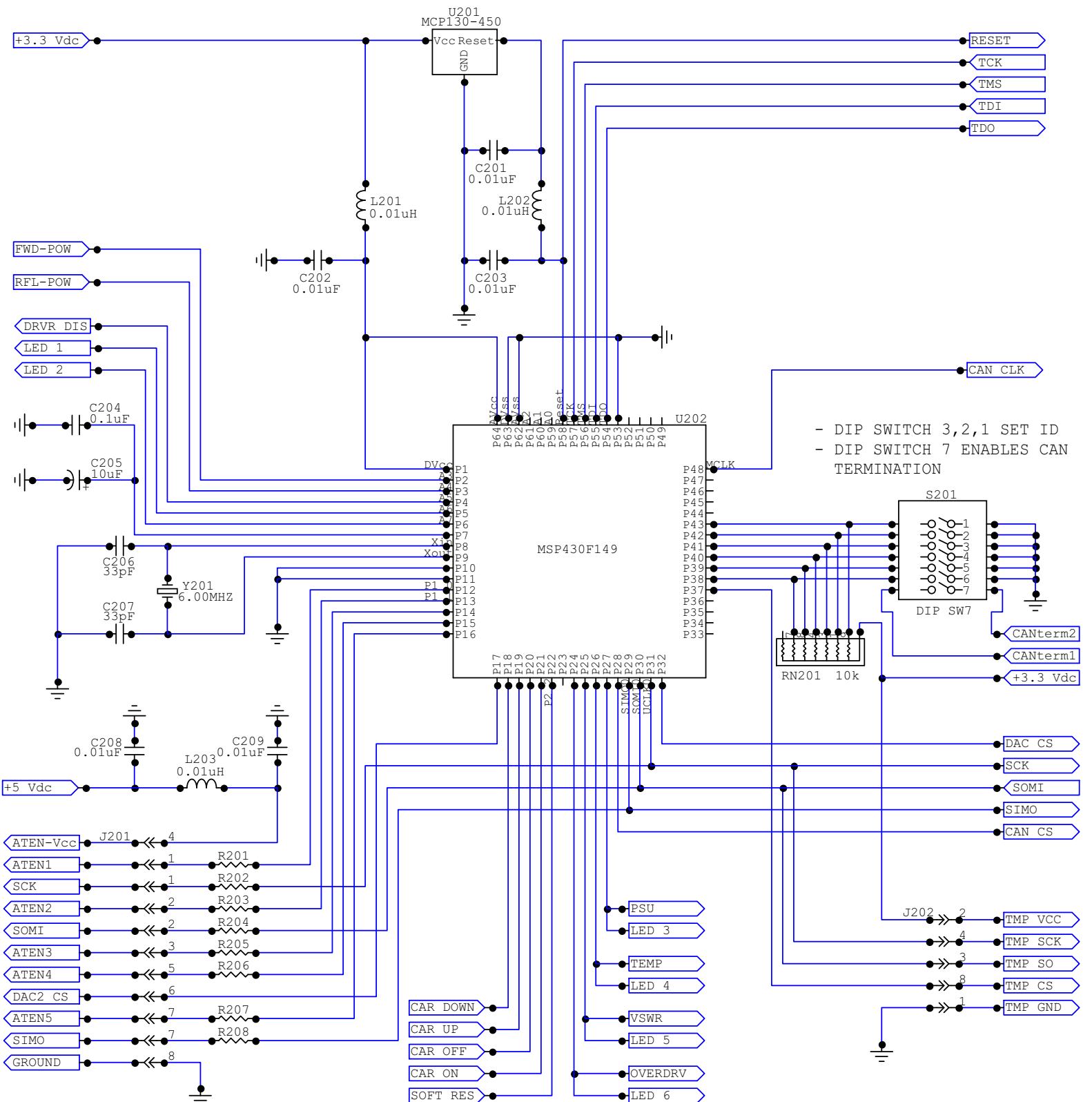
User Interface Module

Rev	ID
B	Insight Control System

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Coupler Conditioning Module

Microcontroller



A. Sivacoe

Coupler Conditioning

Rev

1.10

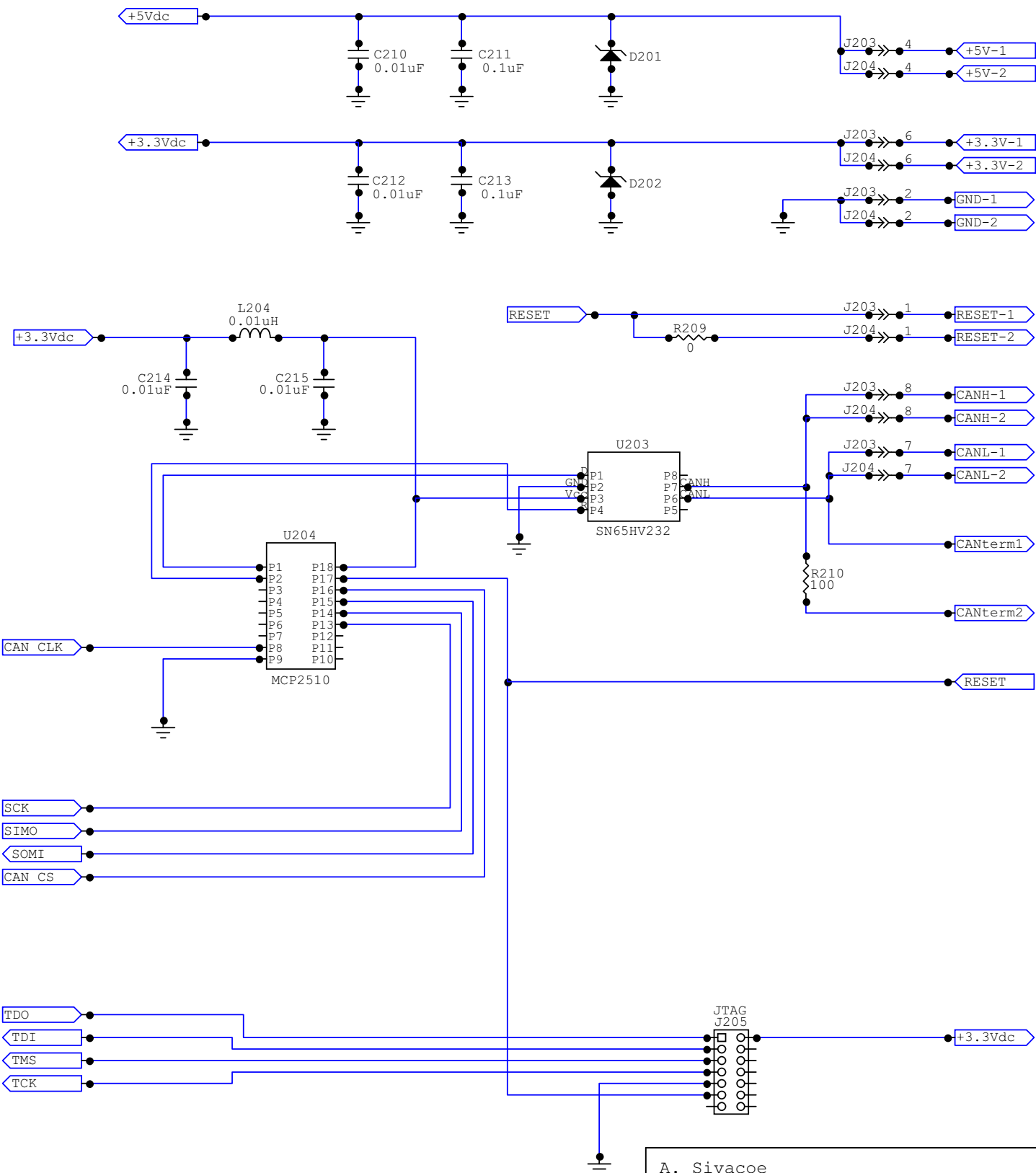
ID

Insight Control System

Date: January 16, 2008 Page: 1 of 4

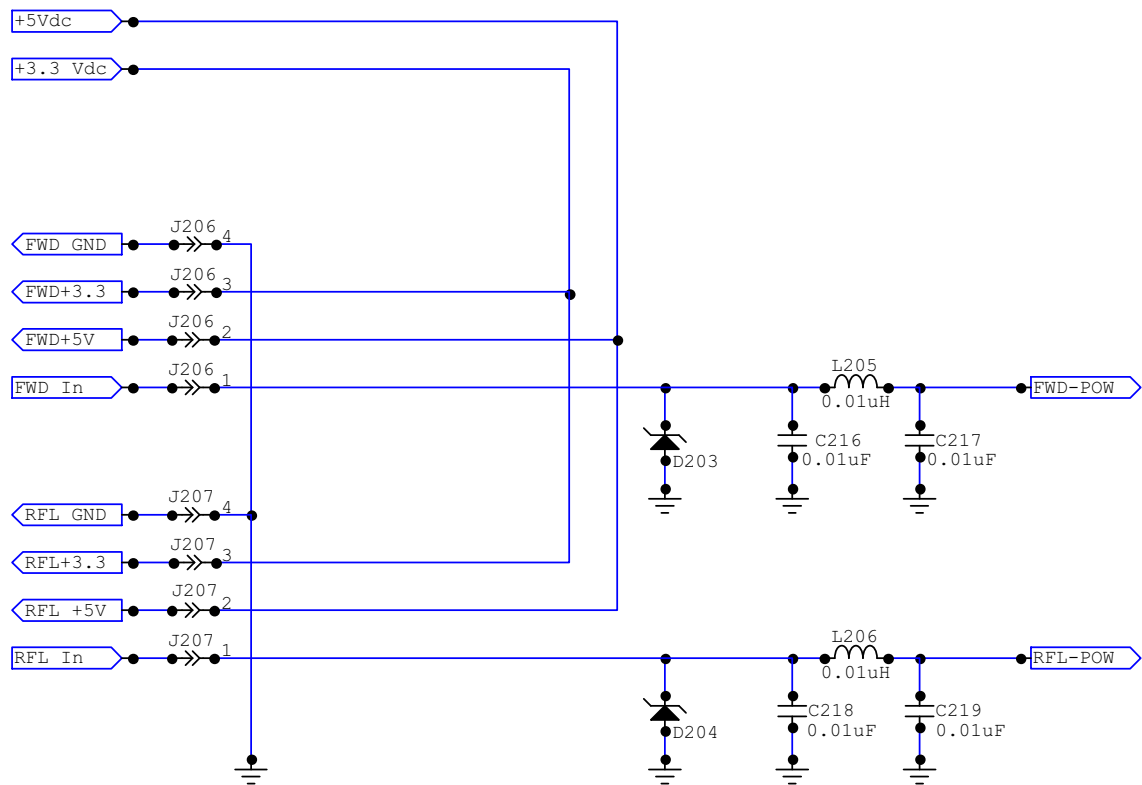
Coupler Conditioning Module

CAN and Programmer Interface

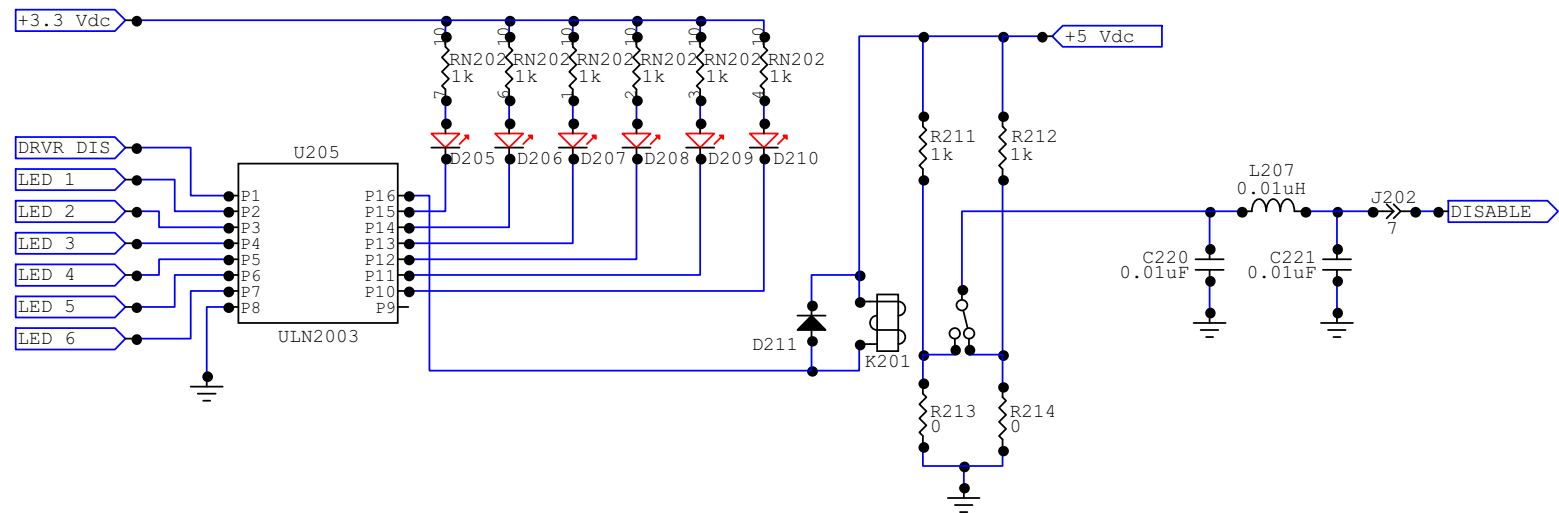


Coupler Conditioning Module

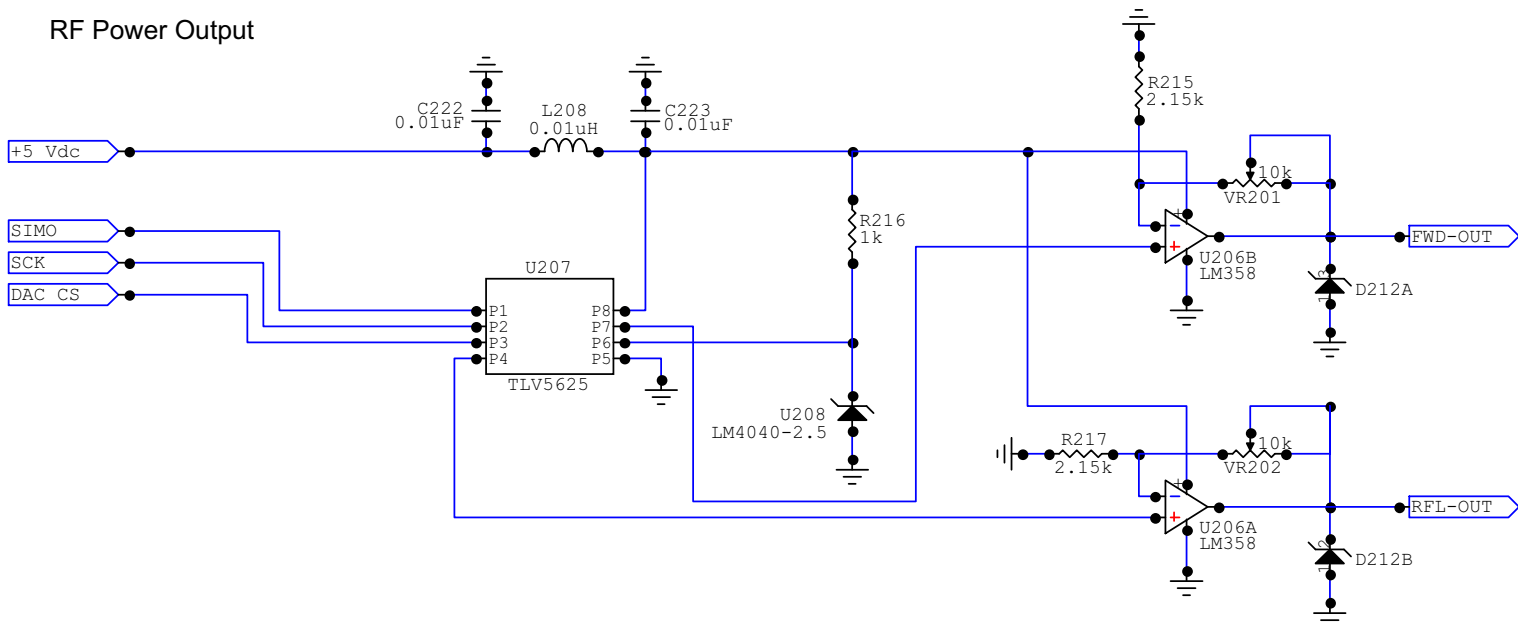
Coupler Input



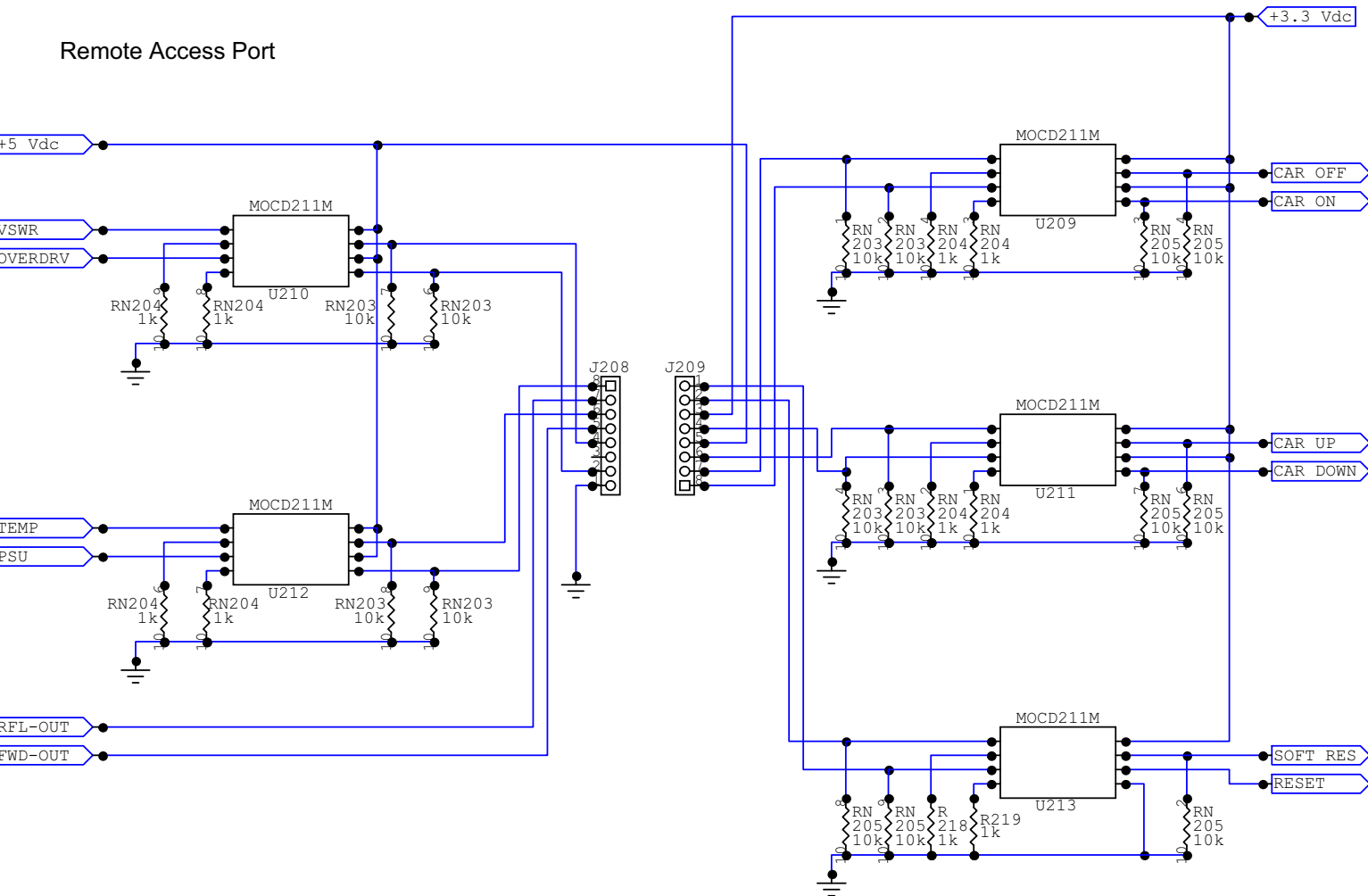
Interface



RF Power Output



Remote Access Port



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Coupler Conditioning

Rev

1.10

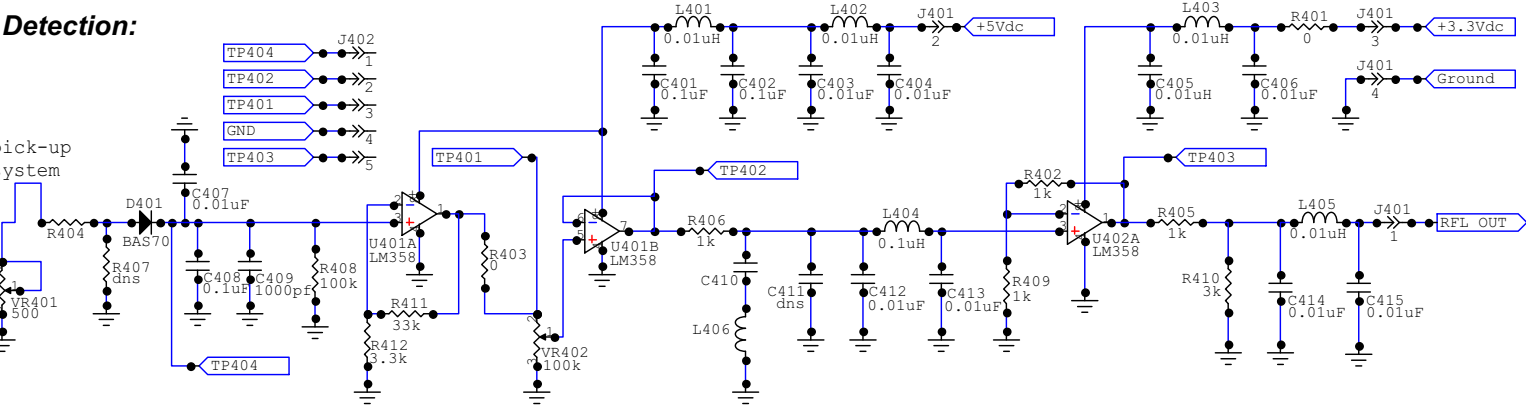
ID

Insight Control System

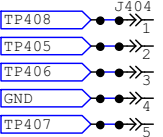
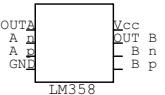
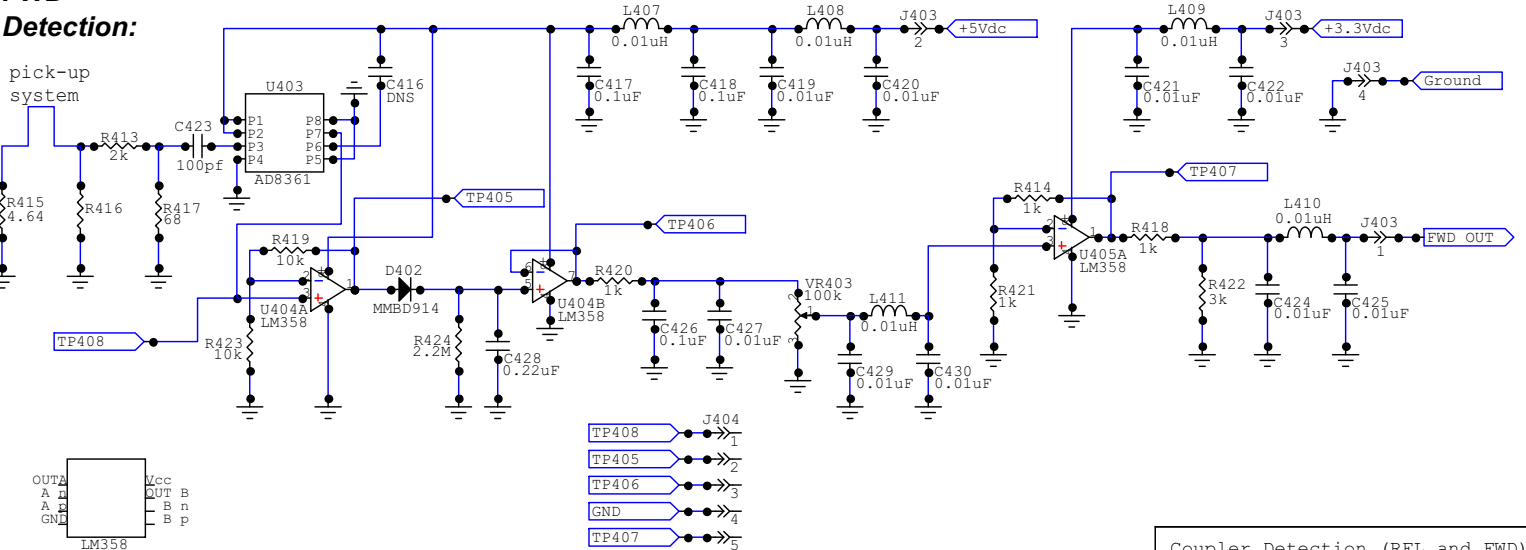
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**RFL
Detection:**

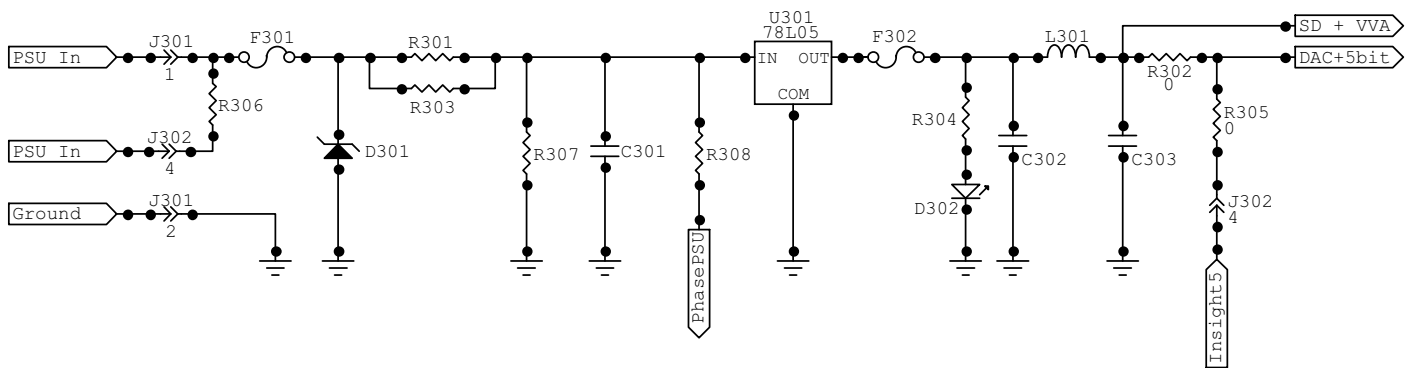


**FWD
Detection:**

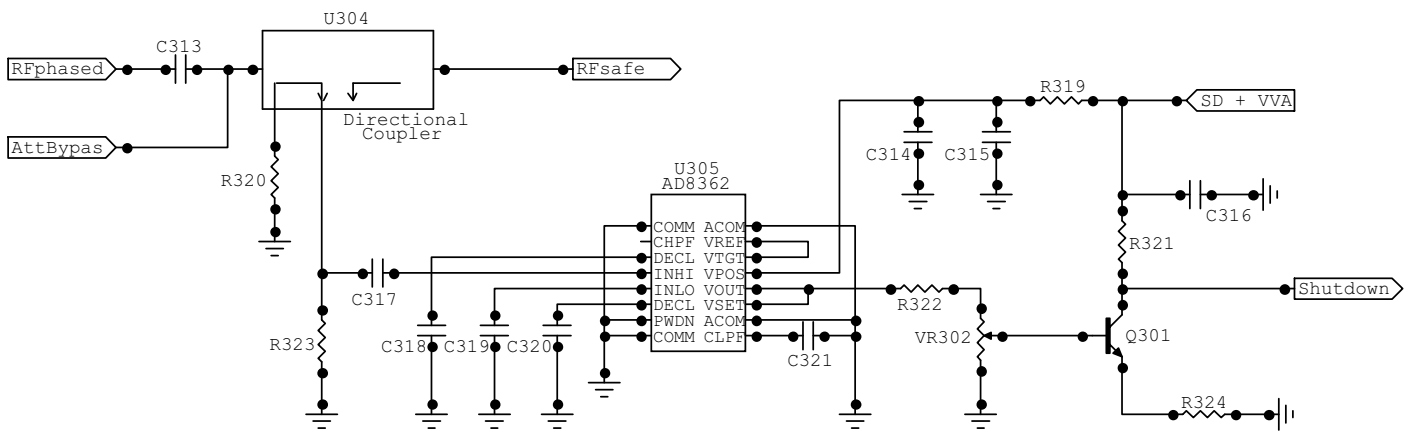


Coupler Detection (RFL and FWD)	
Rev	ID
3.05	A. Florey, A. Sivacoe
Date: July 2, 2008	Page: 1 of 1

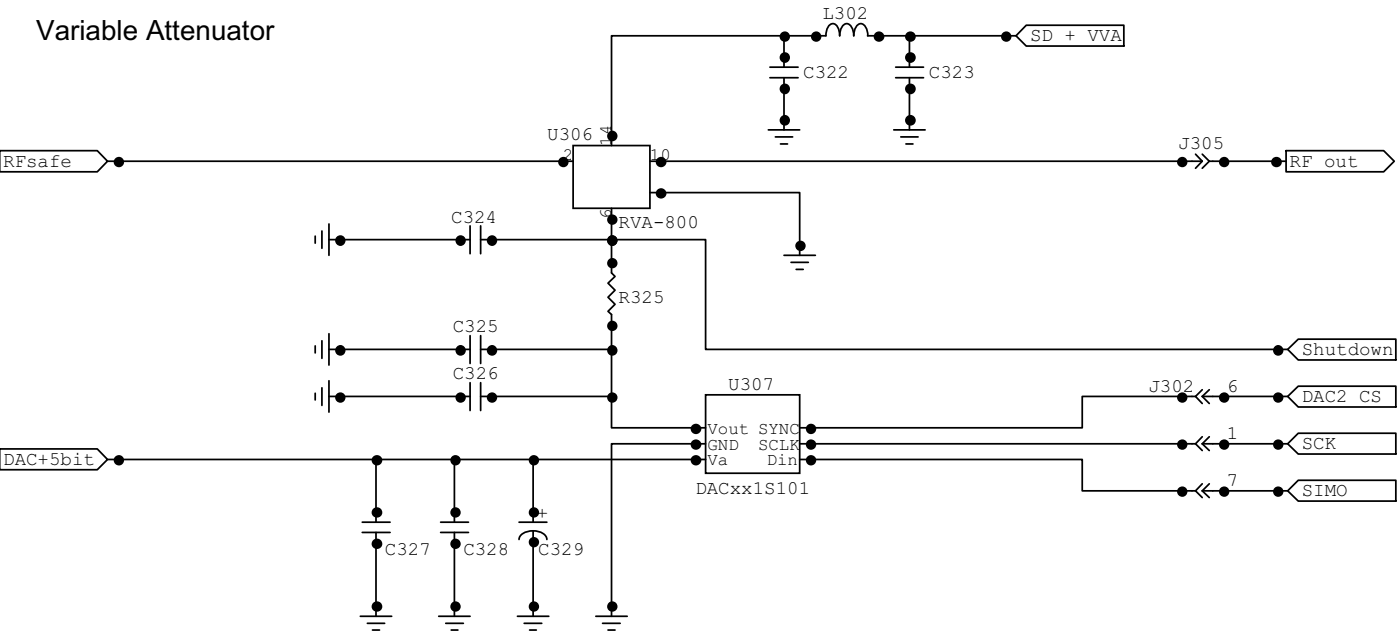
External Power Supply



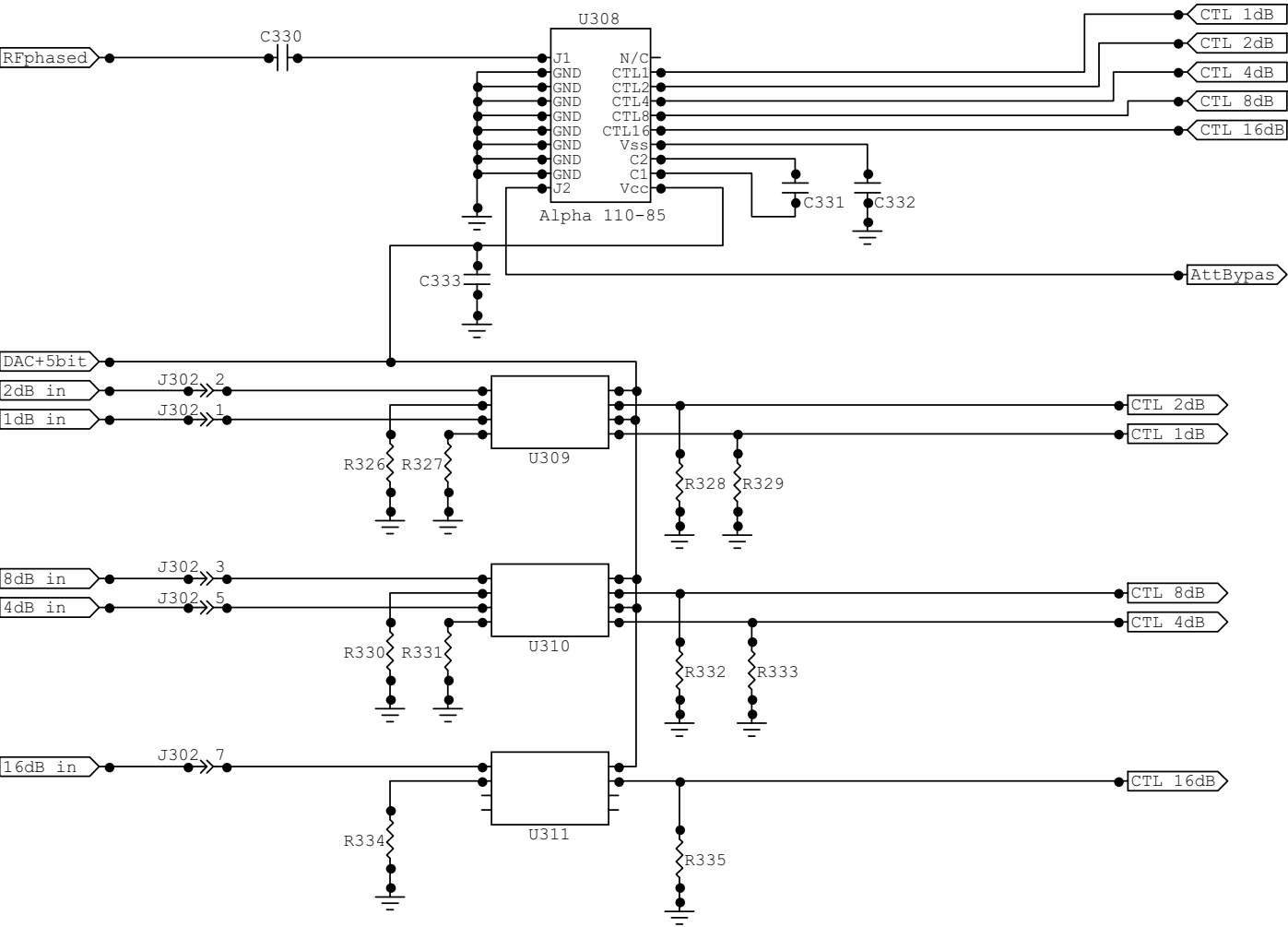
High Speed Shutdown

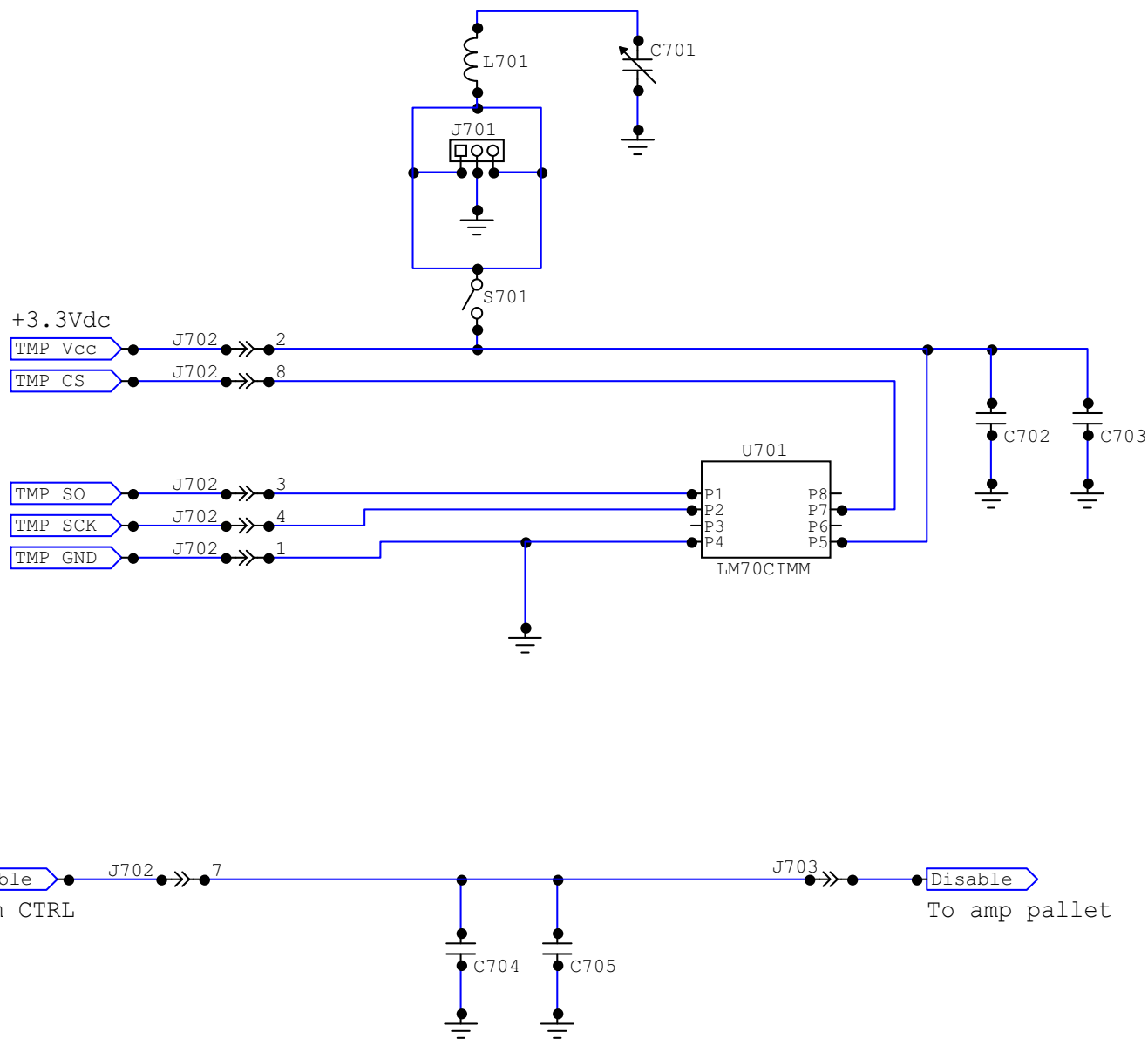


Variable Attenuator



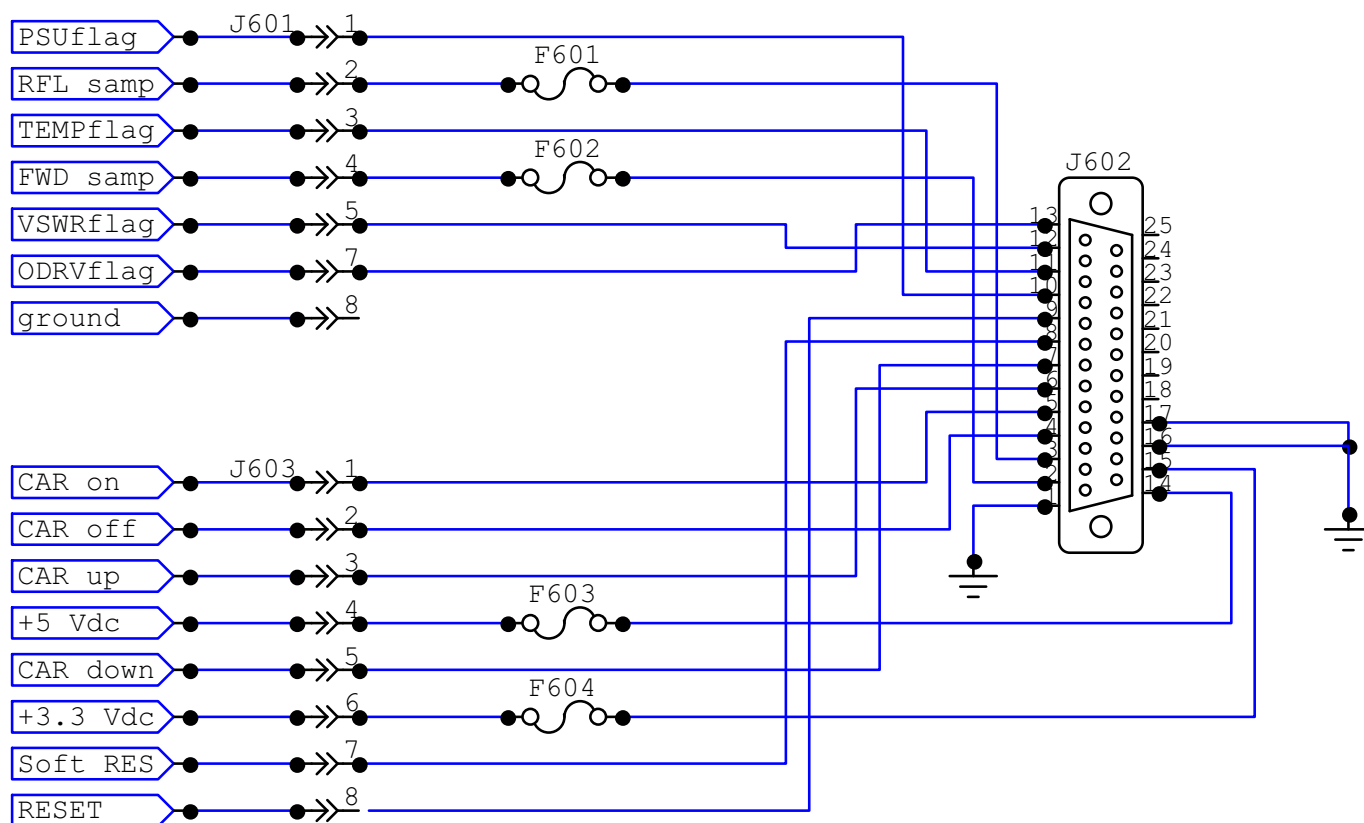
Digital Attenuator





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A. Sivacoe	
Temperature Sensor Board	
Rev 1.10	ID Insight Control System
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