Ph: (403) 347-5400 info@technalogix.ca
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#4 – 8021 Edgar Ind. Place, Red Deer, AB T4P 3R3

March 23, 2009

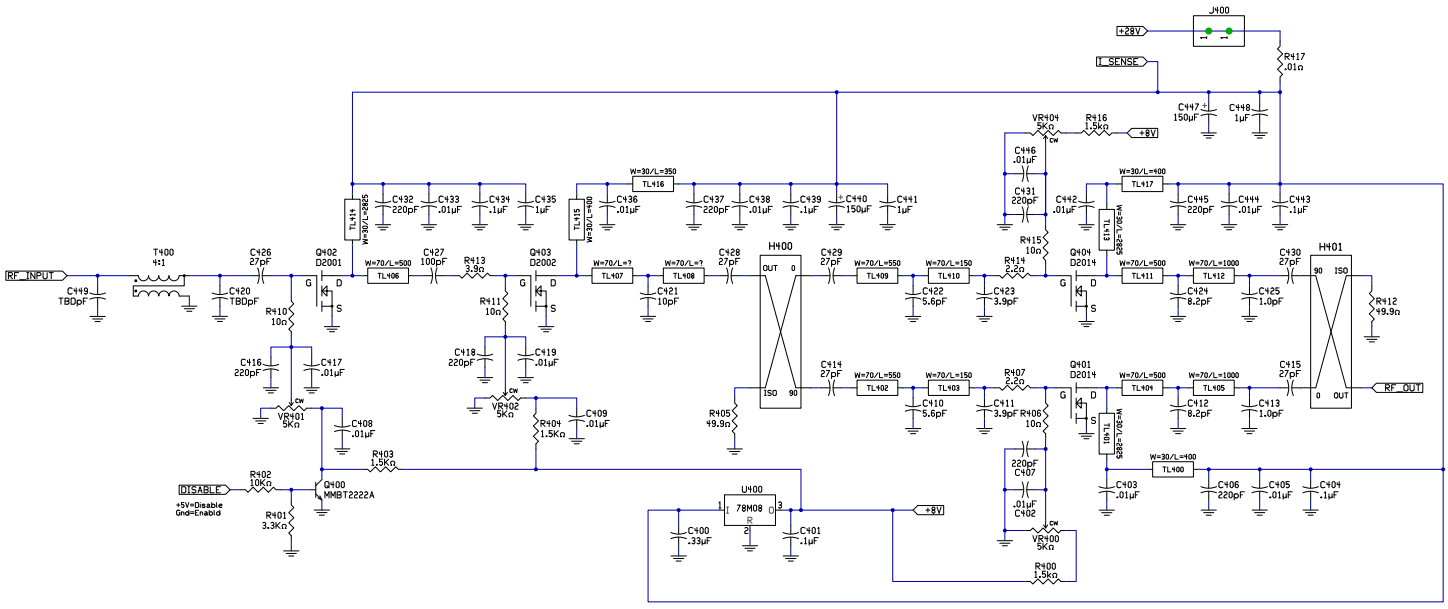
Schematic Diagram

TLUD-30-E

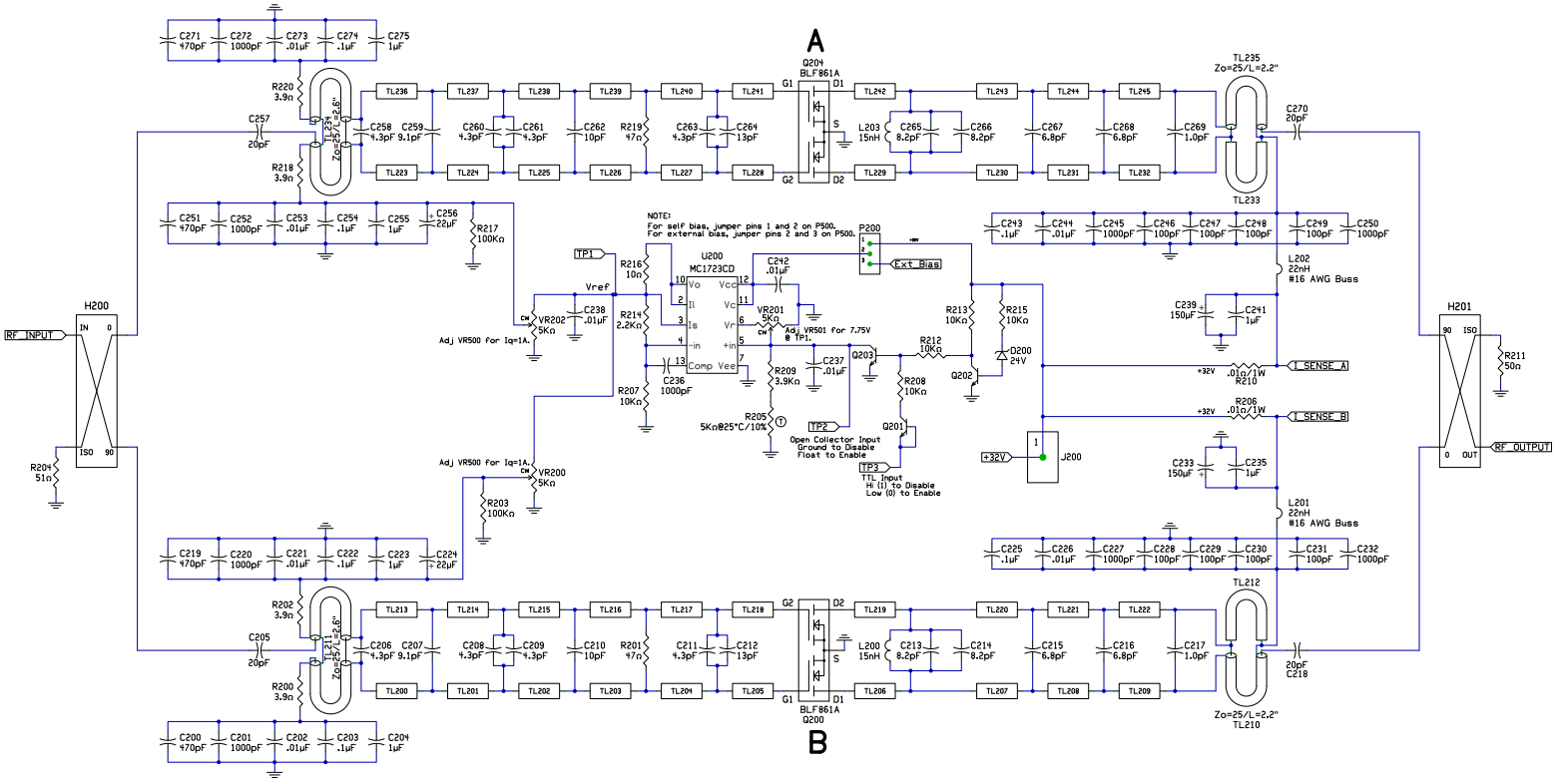
Should you have any questions, please do not hesitate to contact Technalogix:

Bob Gullon, President and CEO
bob@technalogix.ca

Aaron Sivacoe, Technical Director
aaron@technalogix.ca



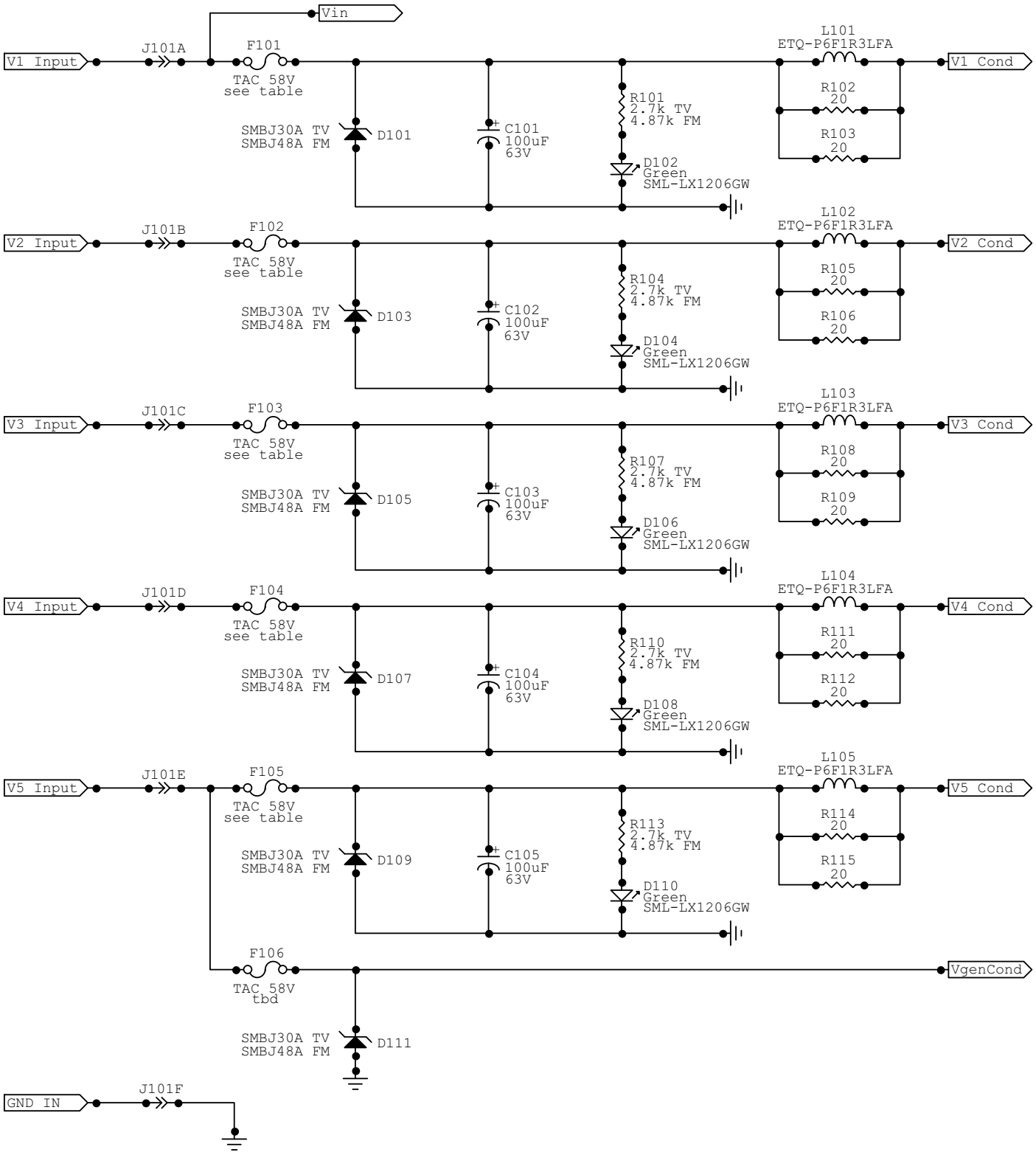
Co:	Power Module Technology, Inc		
Title:	Class "A" 470-860MHz 10W		
Board:	10002 UHFTV-10	Revision:	C
Author:	R.S. McDonald	Size:	B
Date:	9-21-07	Sheet	1 of 1



Co:	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



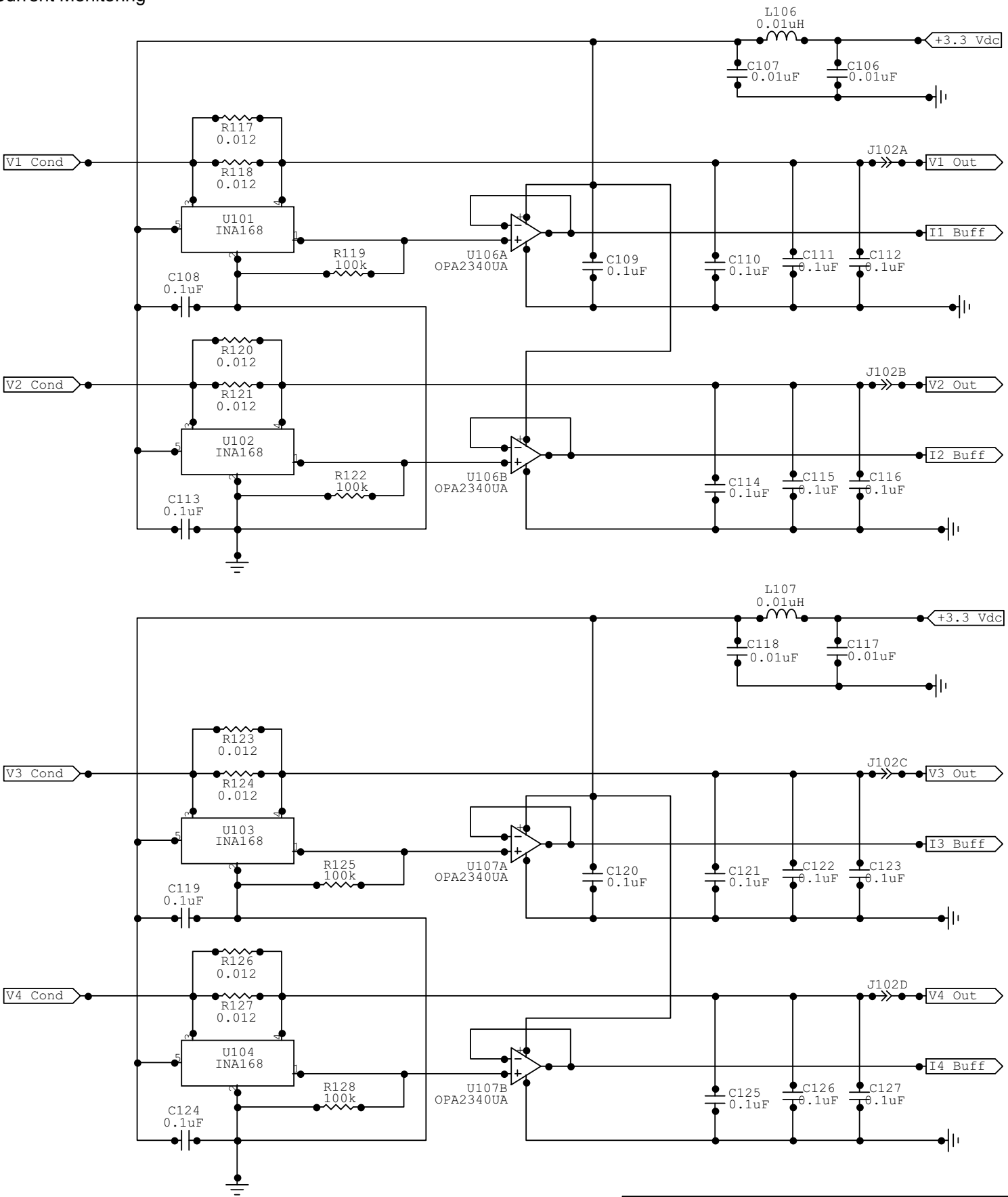
Fuse Table

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



A. Sivacoe, N. Hendrickson	
User Interface Module	
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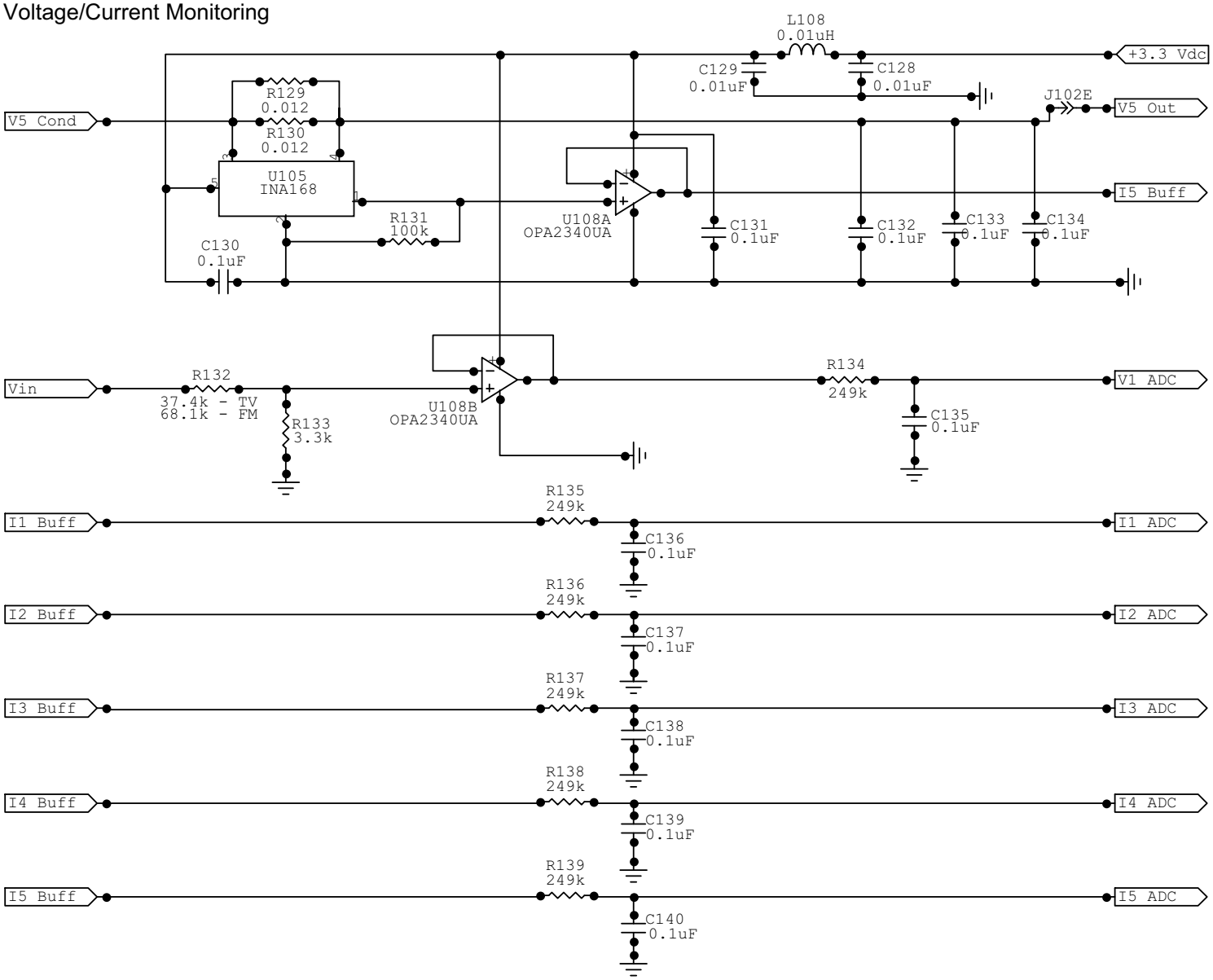
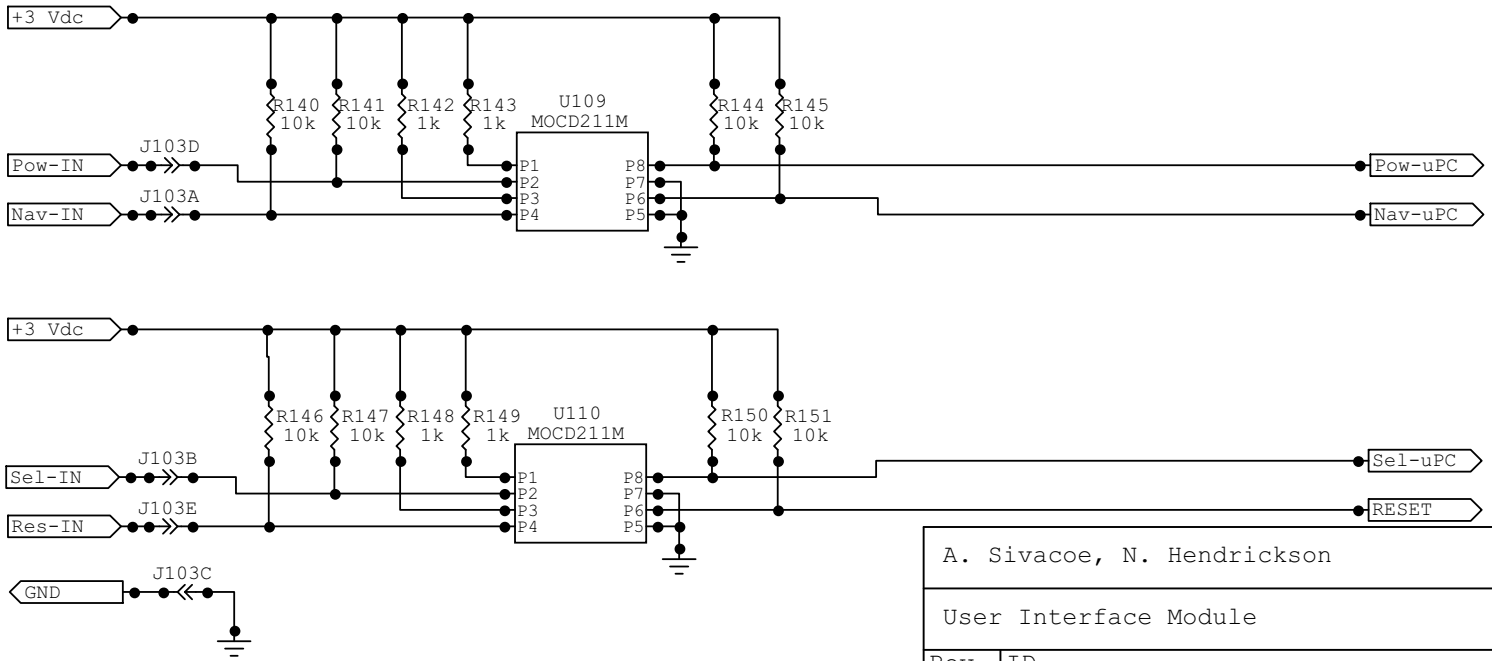
User Interface Module

Voltage/Current Monitoring



Membrane Switch Inputs



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User Interface Module	
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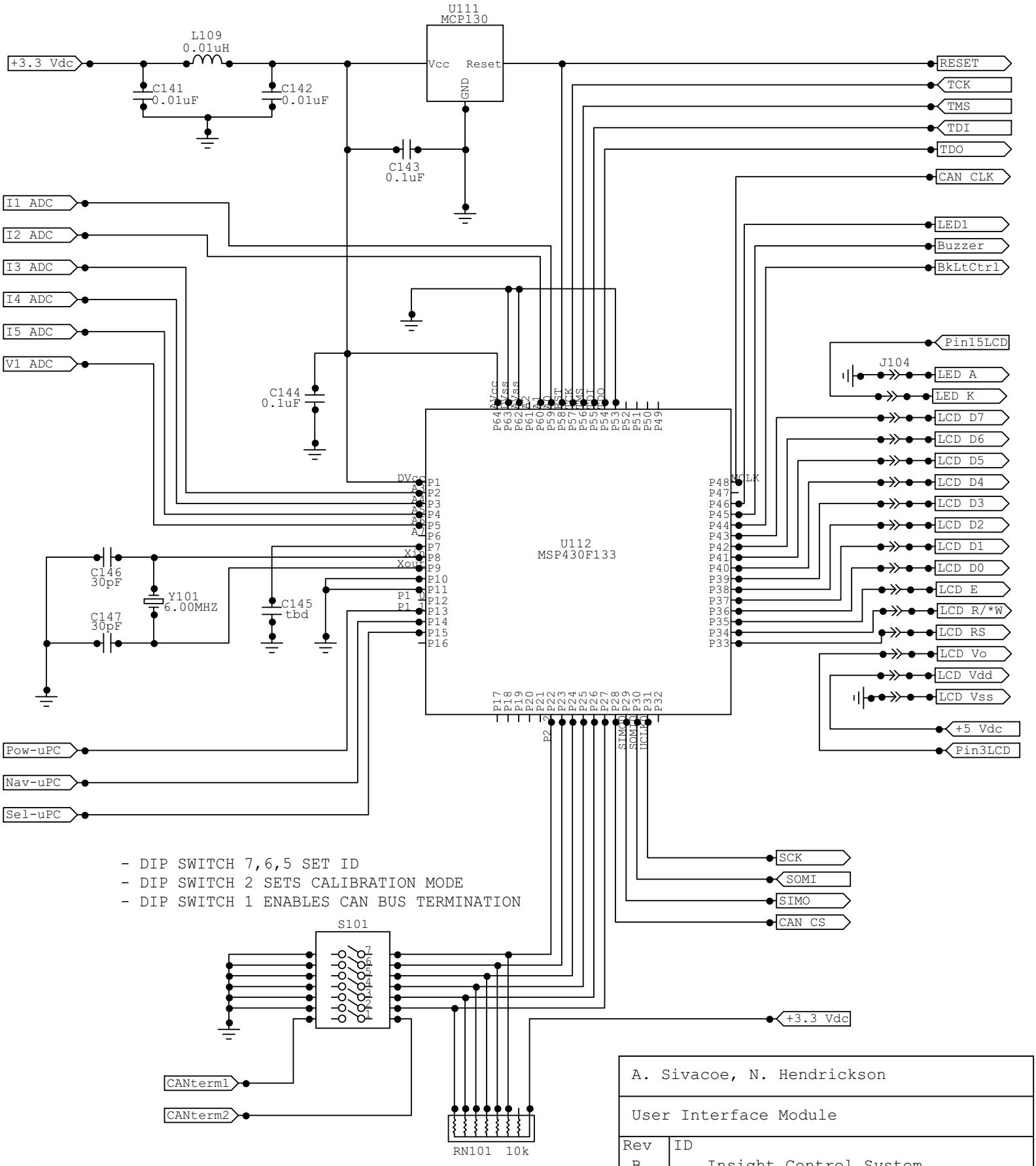
User Interface Module

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	
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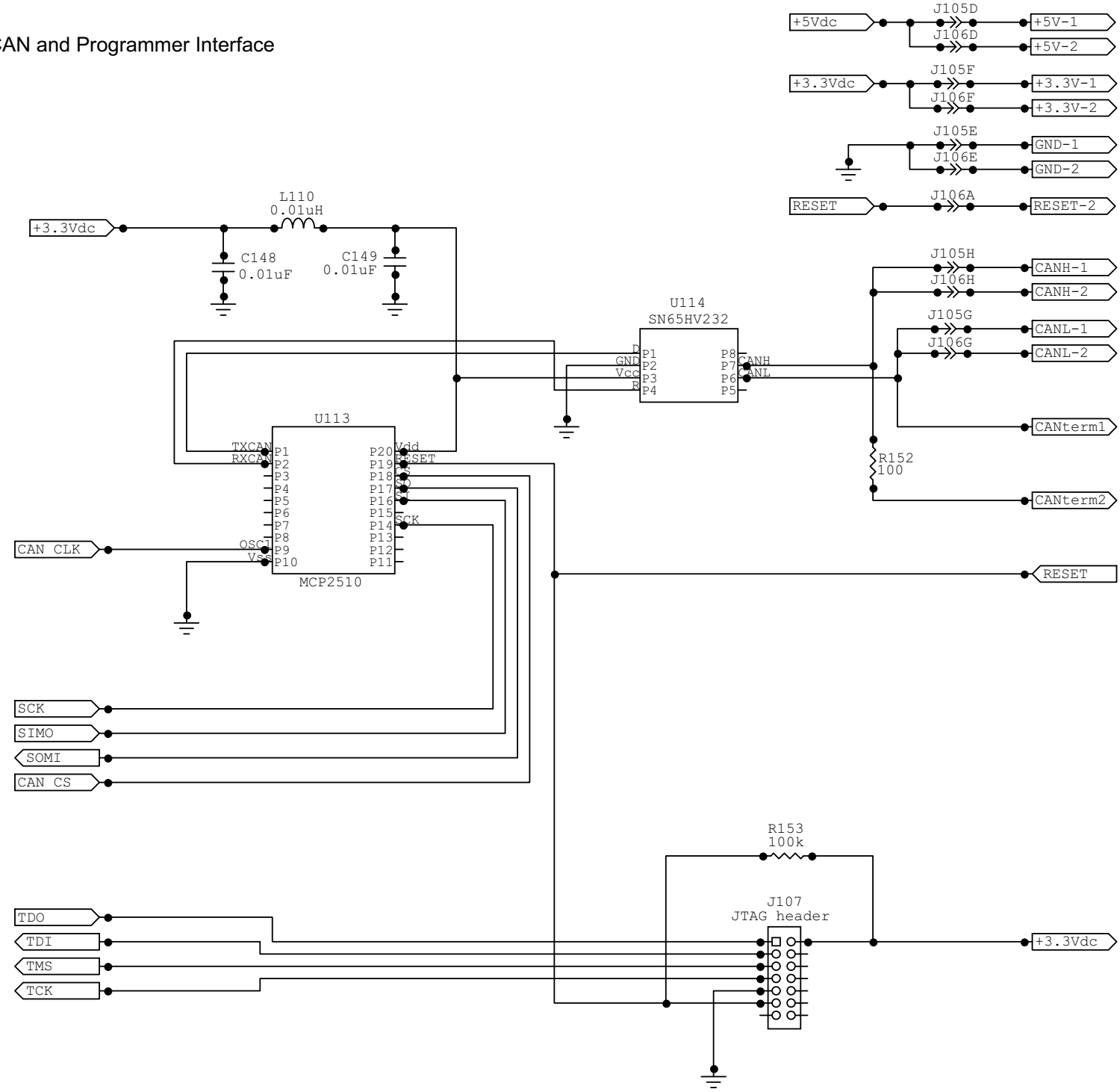
User Interface Module

CAN and Programmer Interface



A. Sivacoe, N. Hendrickson	
User Interface Module	
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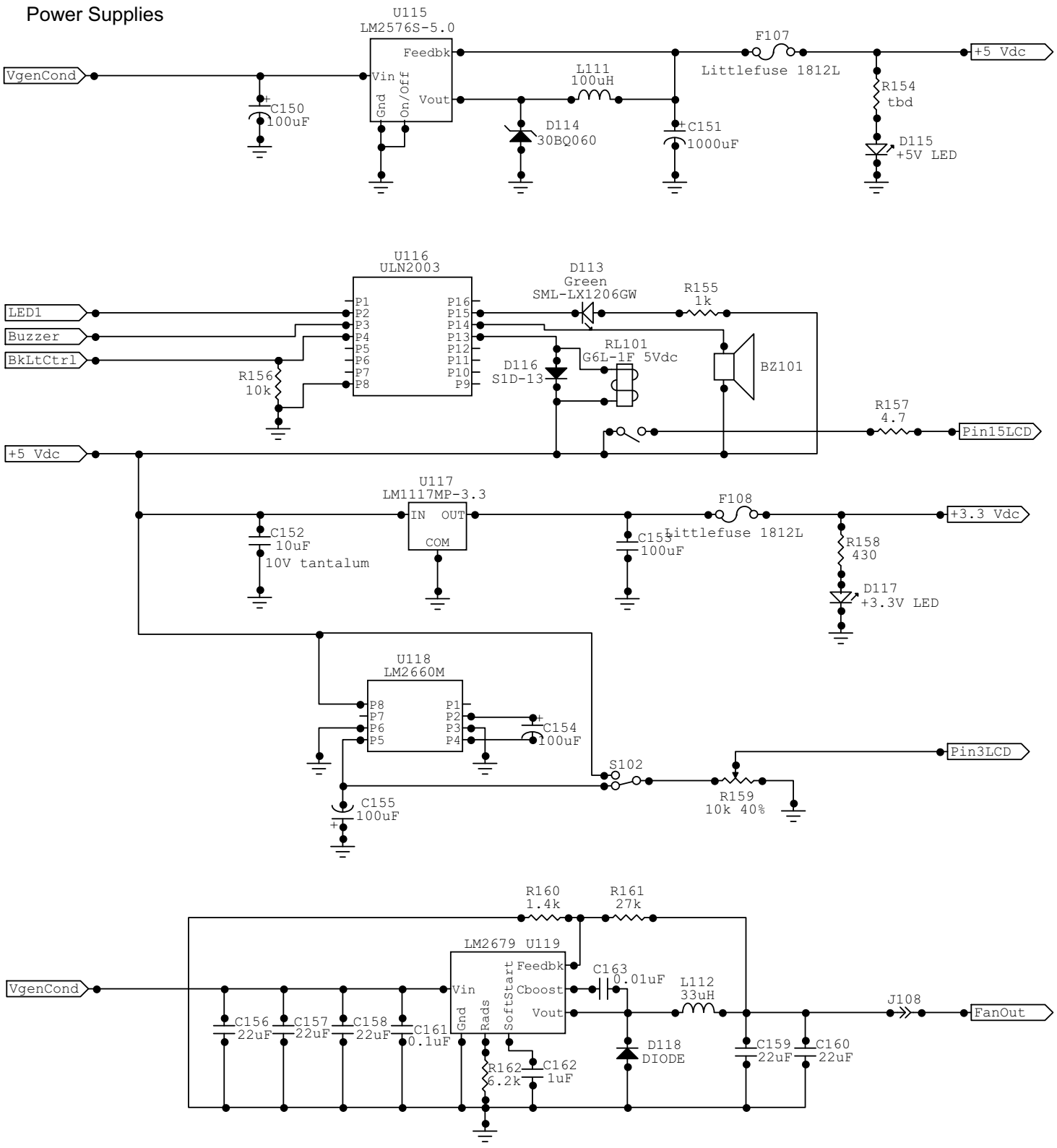
User Interface Module

Power Supplies



A. Sivacoe, N. Hendrickson	
User Interface Module	
Rev B	ID Insight Control System
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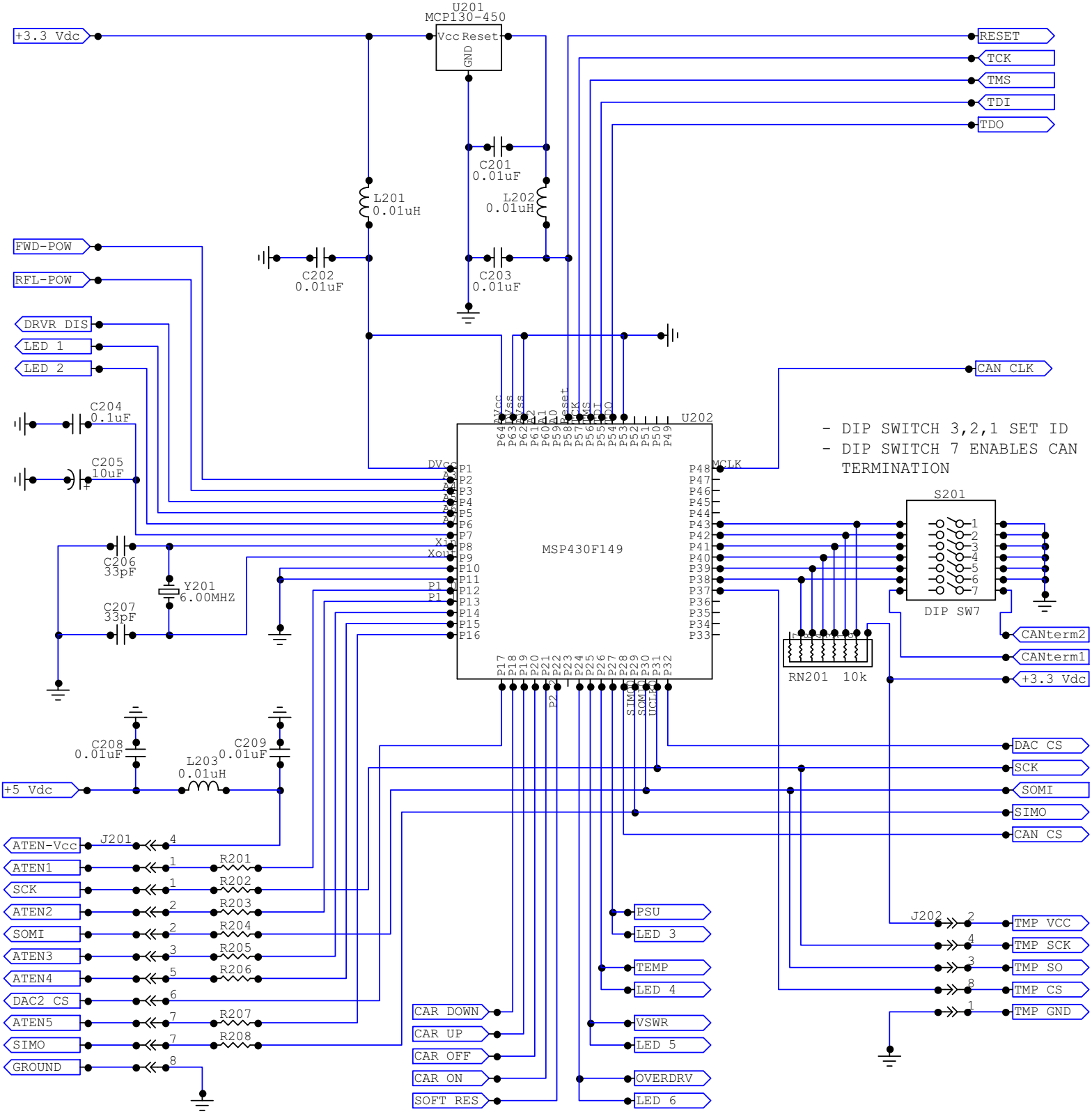
Coupler Conditioning Module

Microcontroller



A. Sivacoe	
Coupler Conditioning	
Rev 1.10	ID Insight Control System
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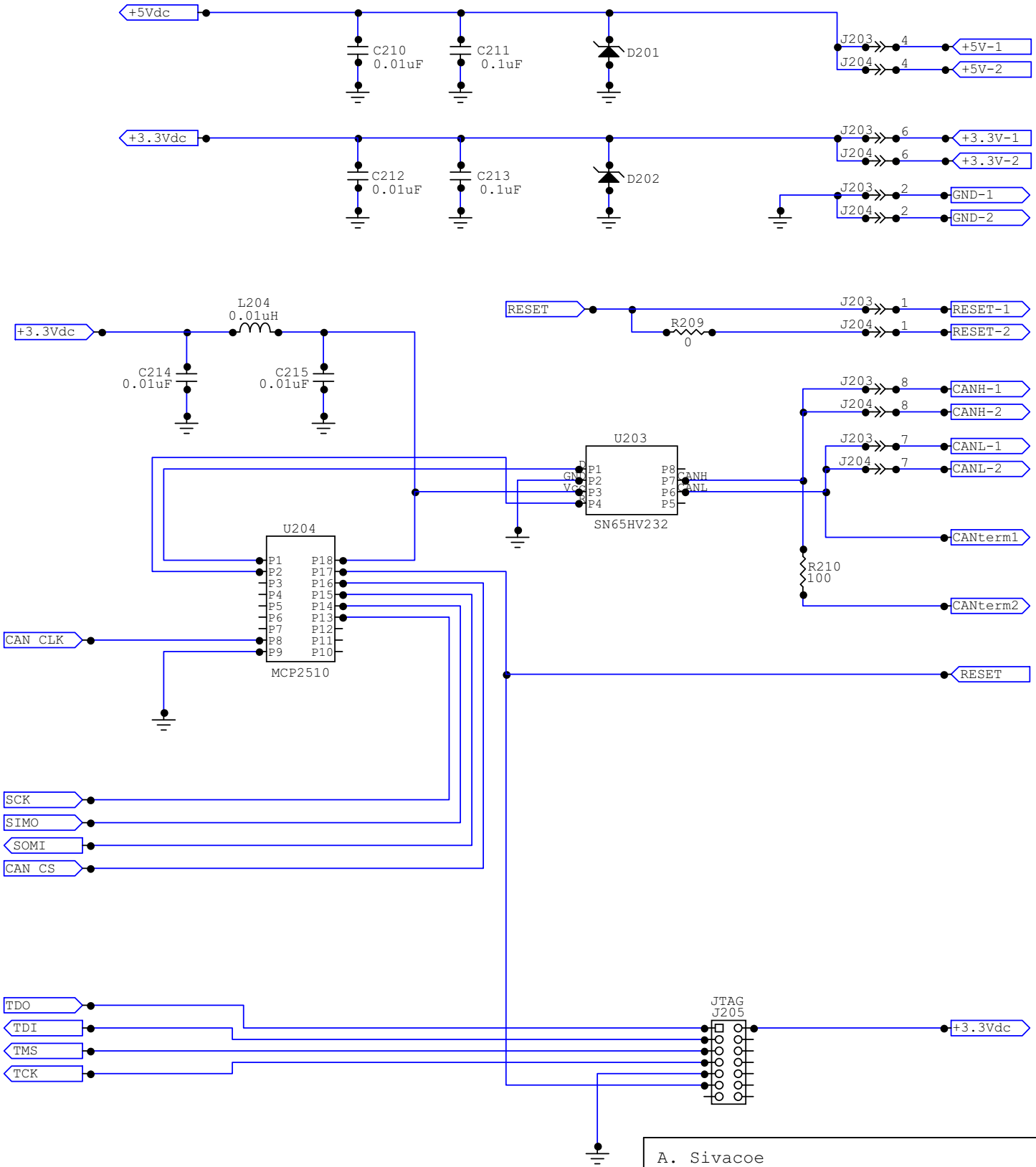
Coupler Conditioning Module

CAN and Programmer Interface



A. Sivacoe	
Coupler Conditioning	
Rev 1.10	ID Insight Control System
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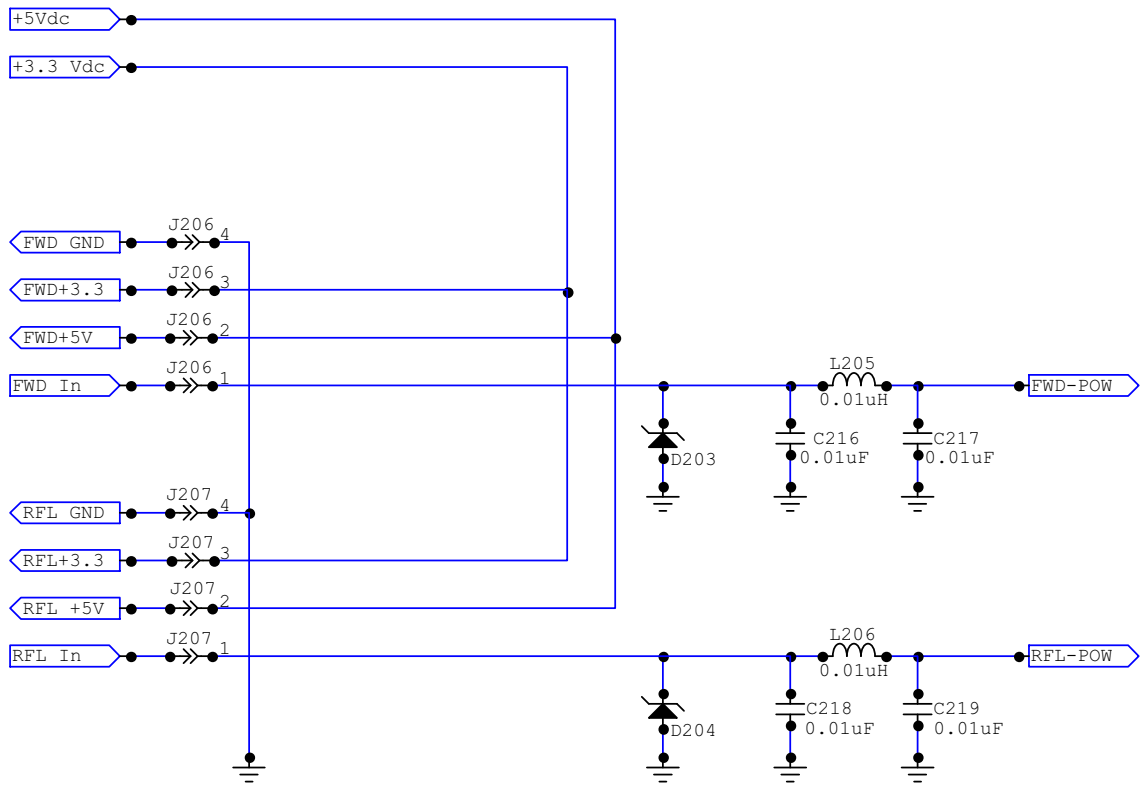
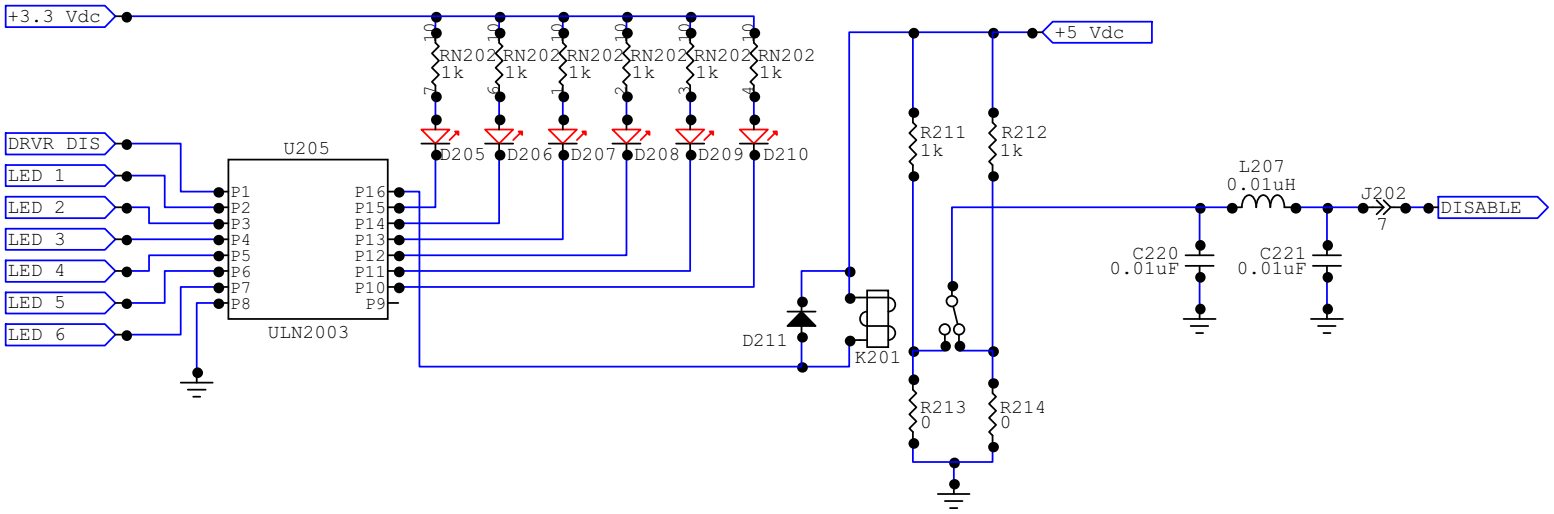
Coupler Conditioning Module

Coupler Input



Interface



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A. Sivacoe	
Coupler Conditioning	
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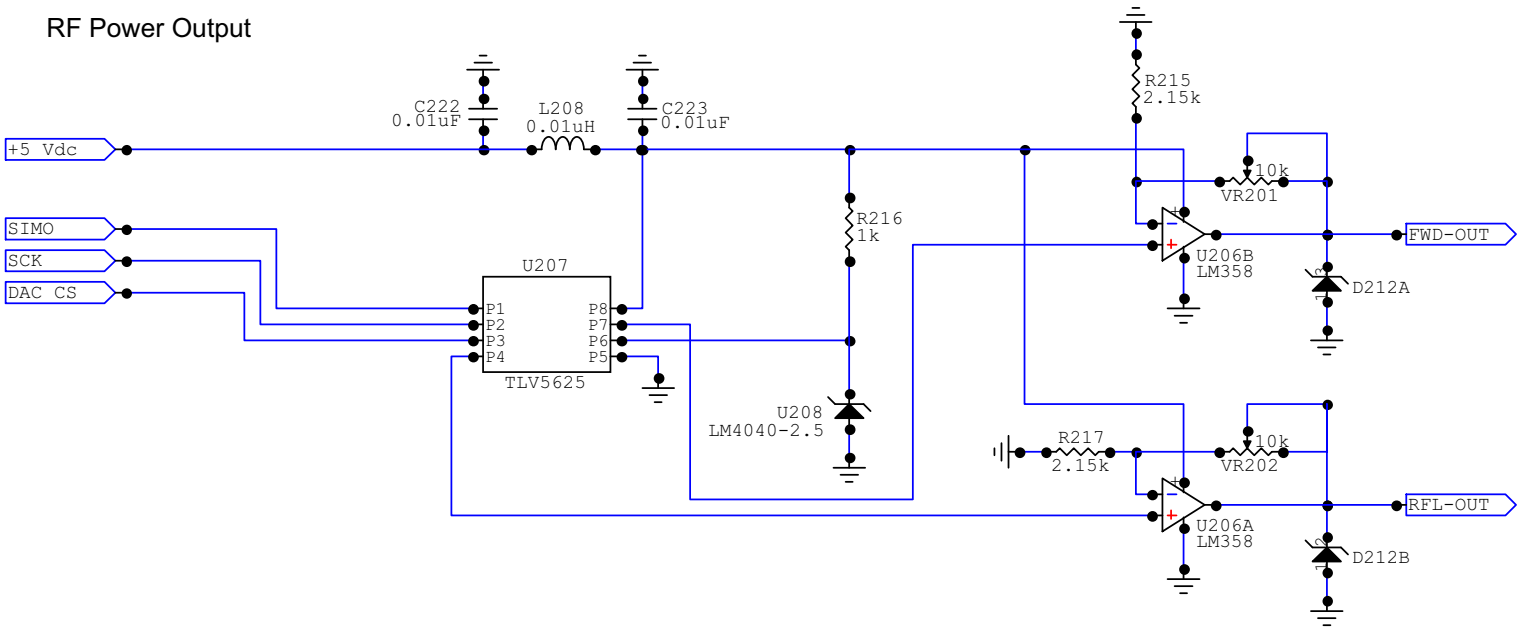
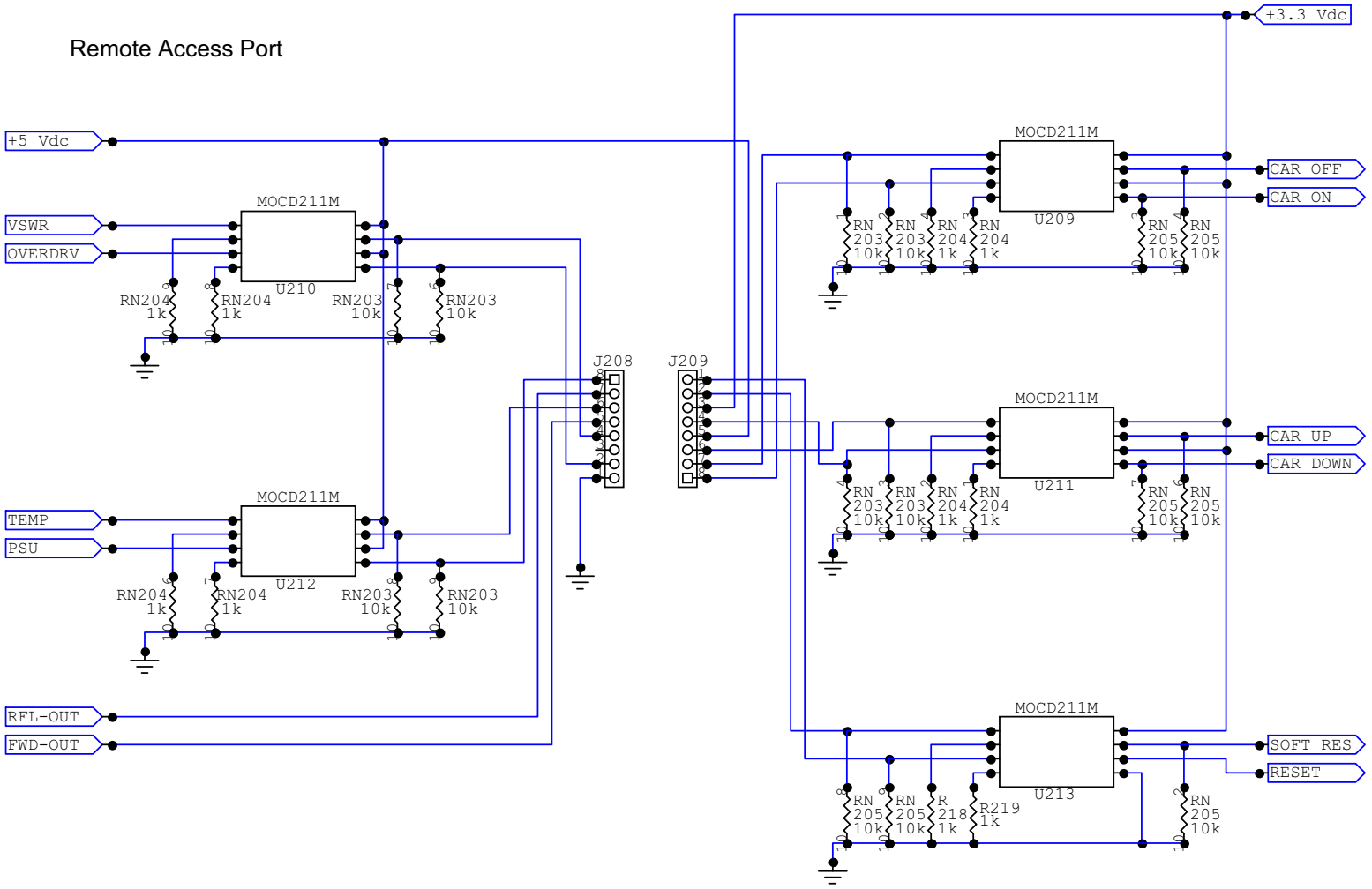
RF Power Output



Remote Access Port



A. Sivacoe	
Coupler Conditioning	
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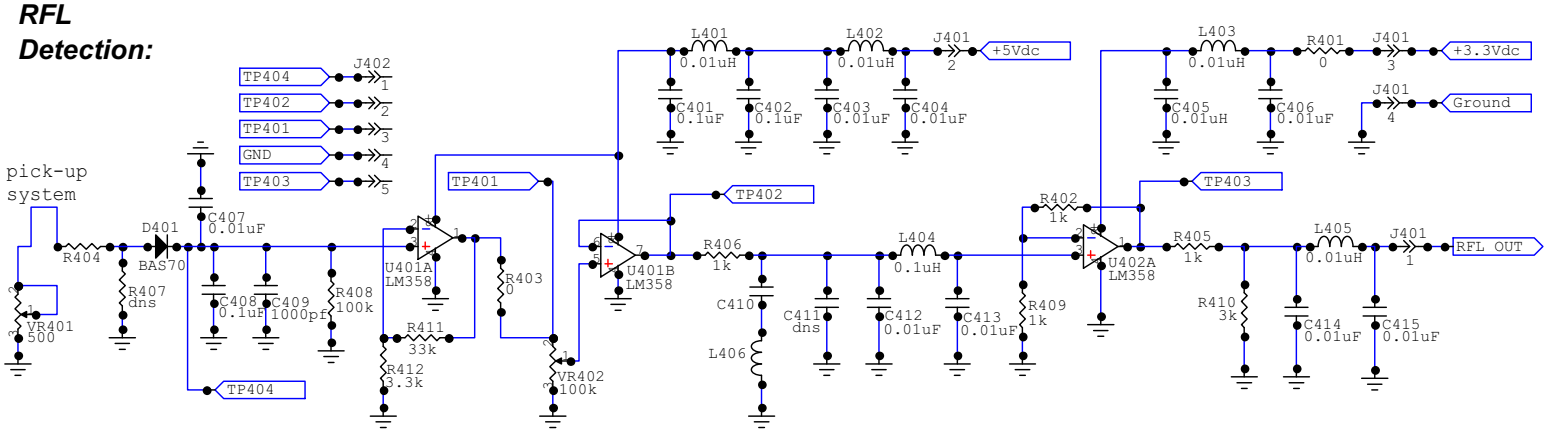
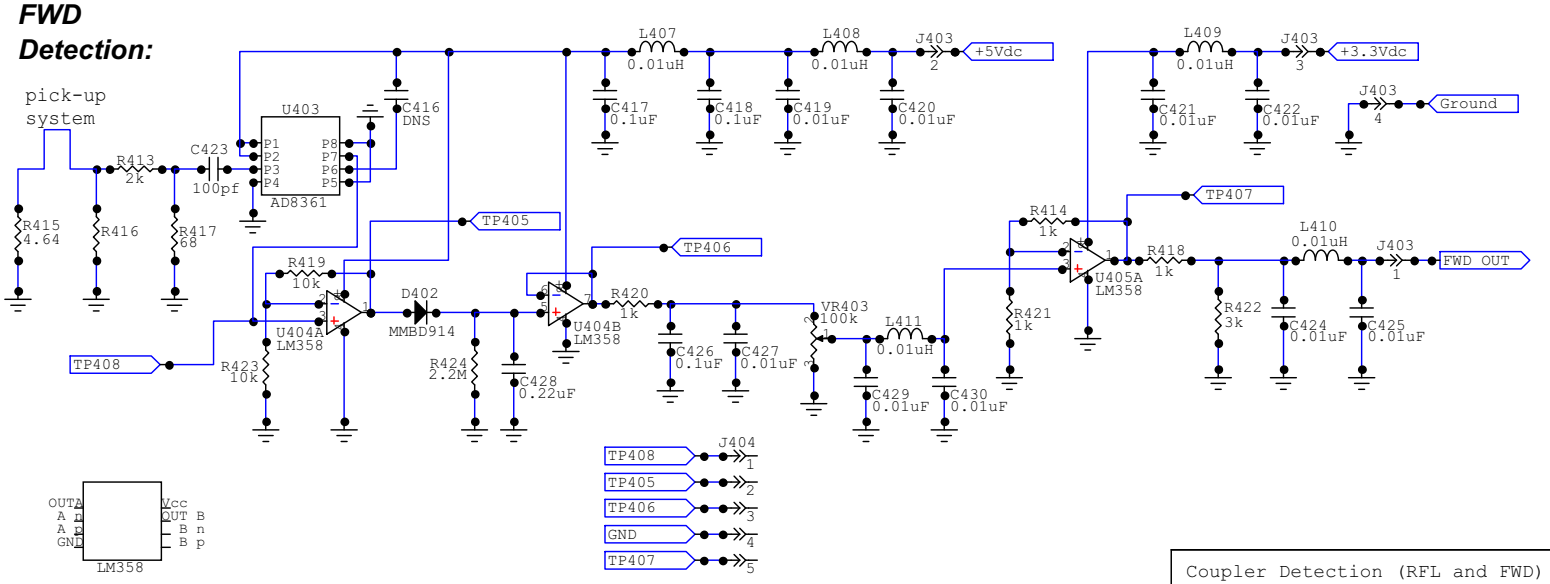
RFL Detection:

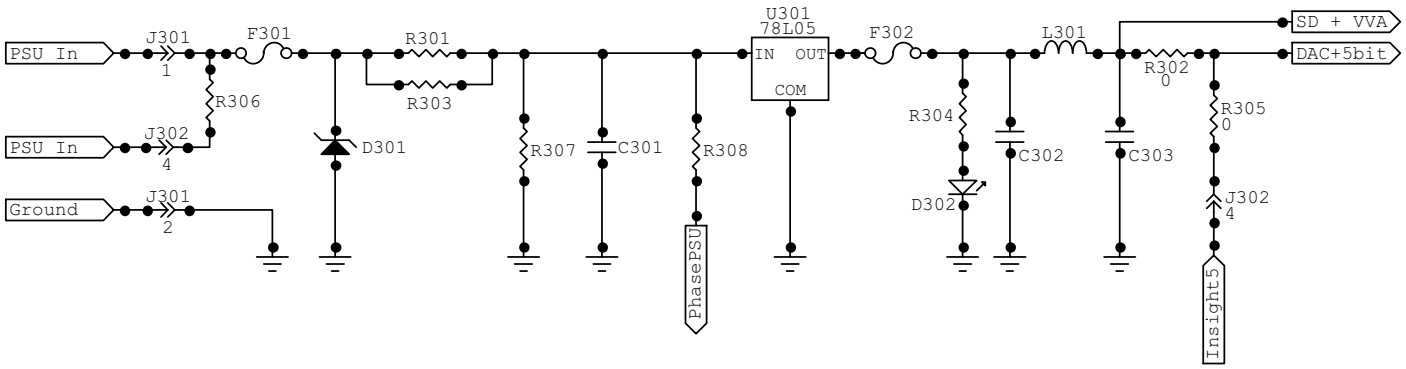


FWD Detection:

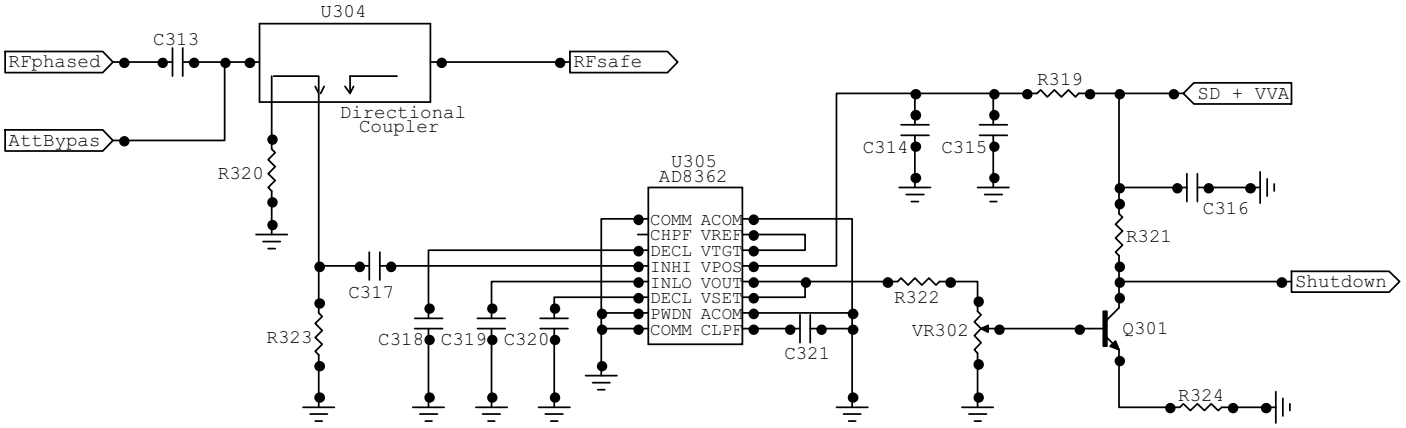


Coupler Detection (RFL and FWD)	
Rev 3.05	ID A. Florey, A. Sivacoe
Date: July 2, 2008	Page: 1 of 1

External Power Supply



High Speed Shutdown



A. Sivacoe	
RF Conditioning	
Rev 1.10	ID Insight Control System
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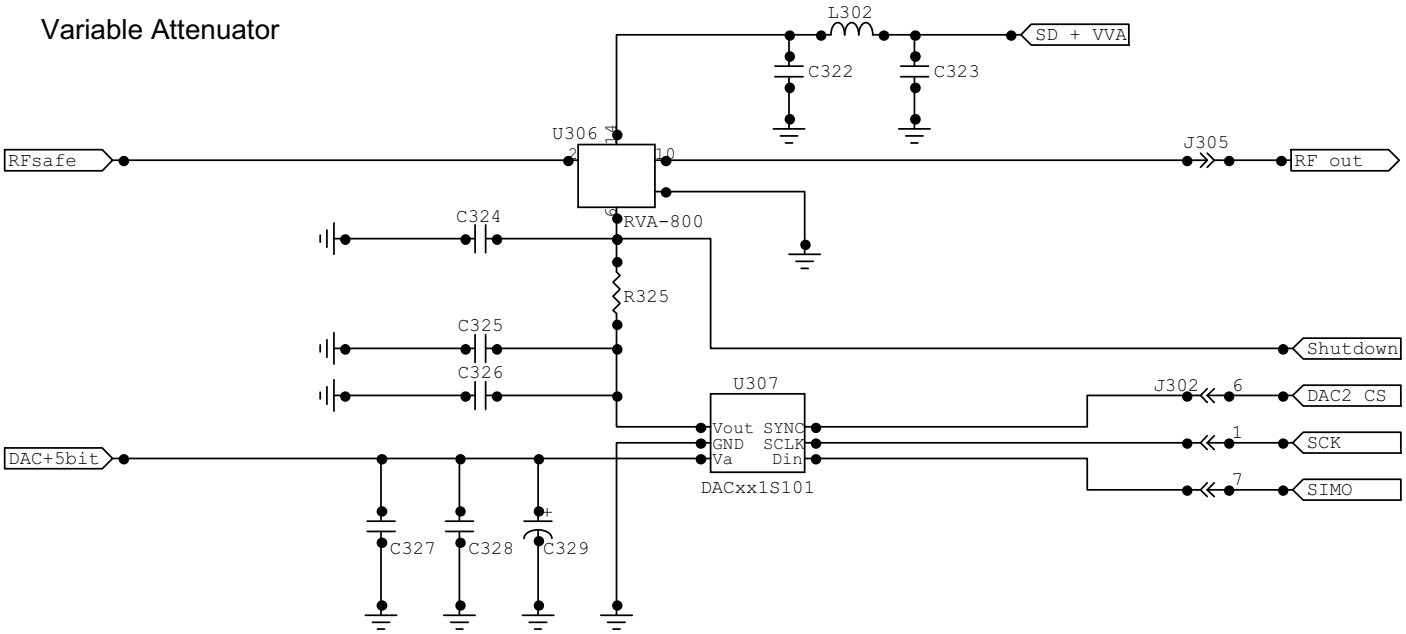
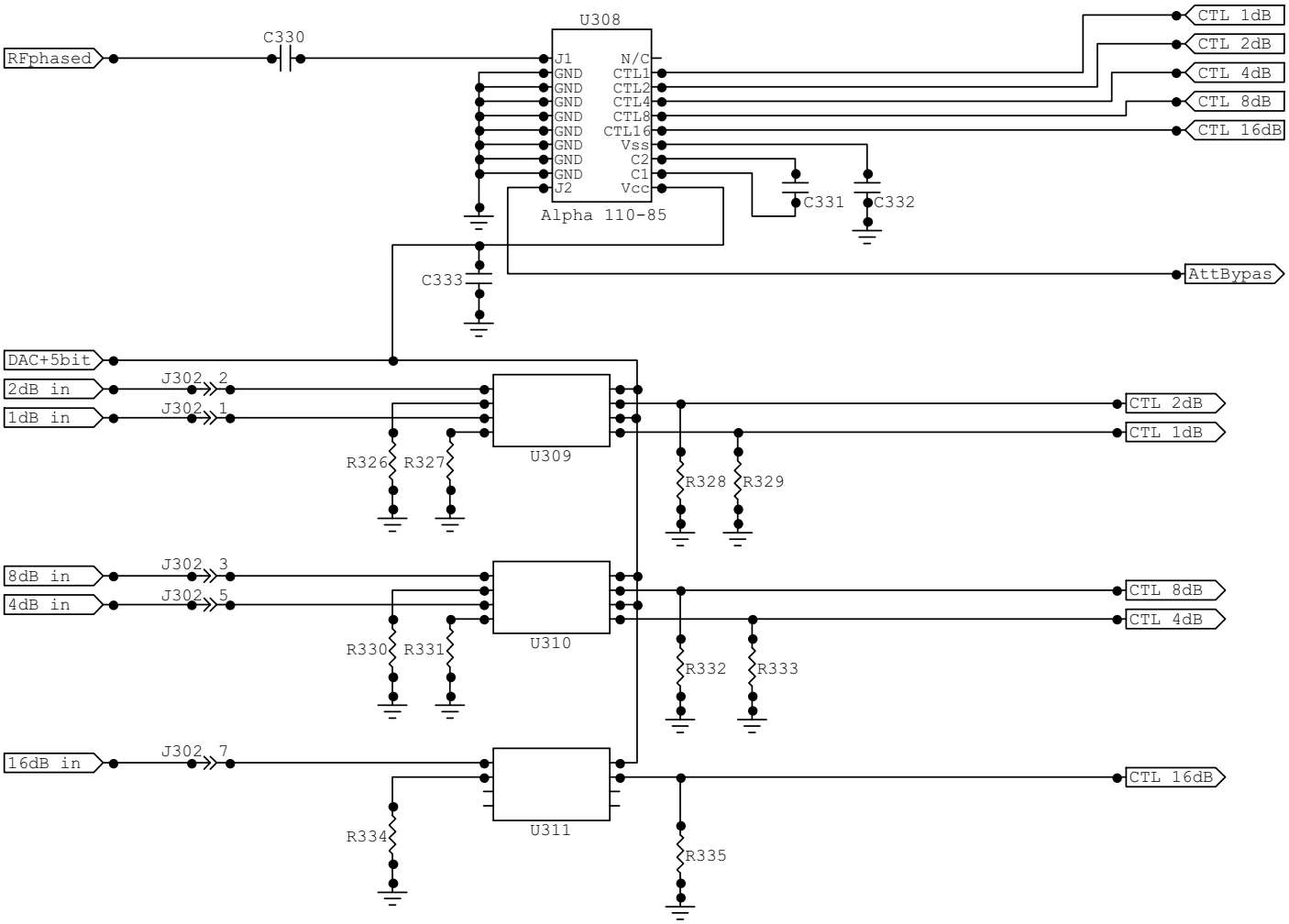
Variable Attenuator



Digital Attenuator



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RF Conditioning	
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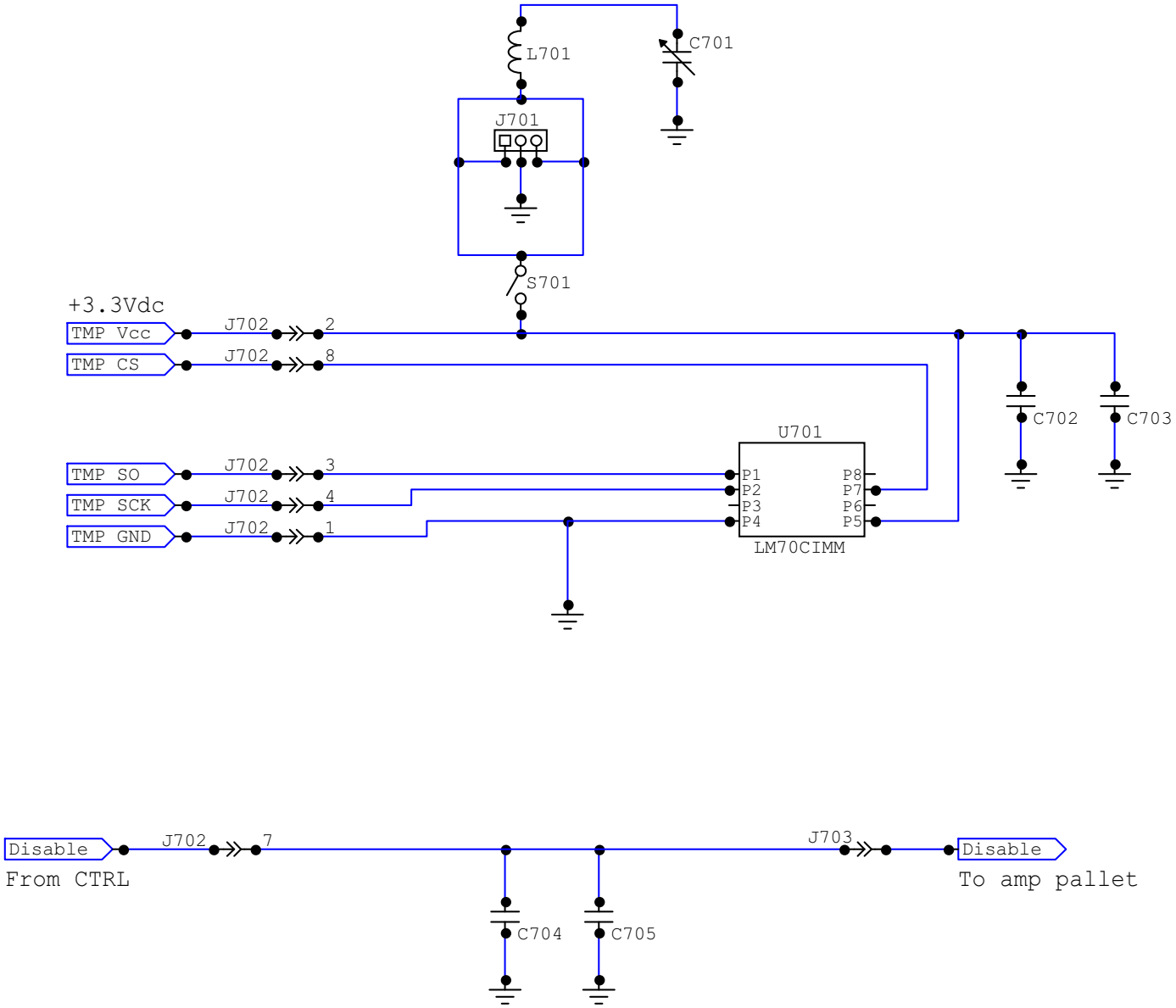

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A. Sivacoe	
Temperature Sensor Board	
Rev 1.10	ID Insight Control System
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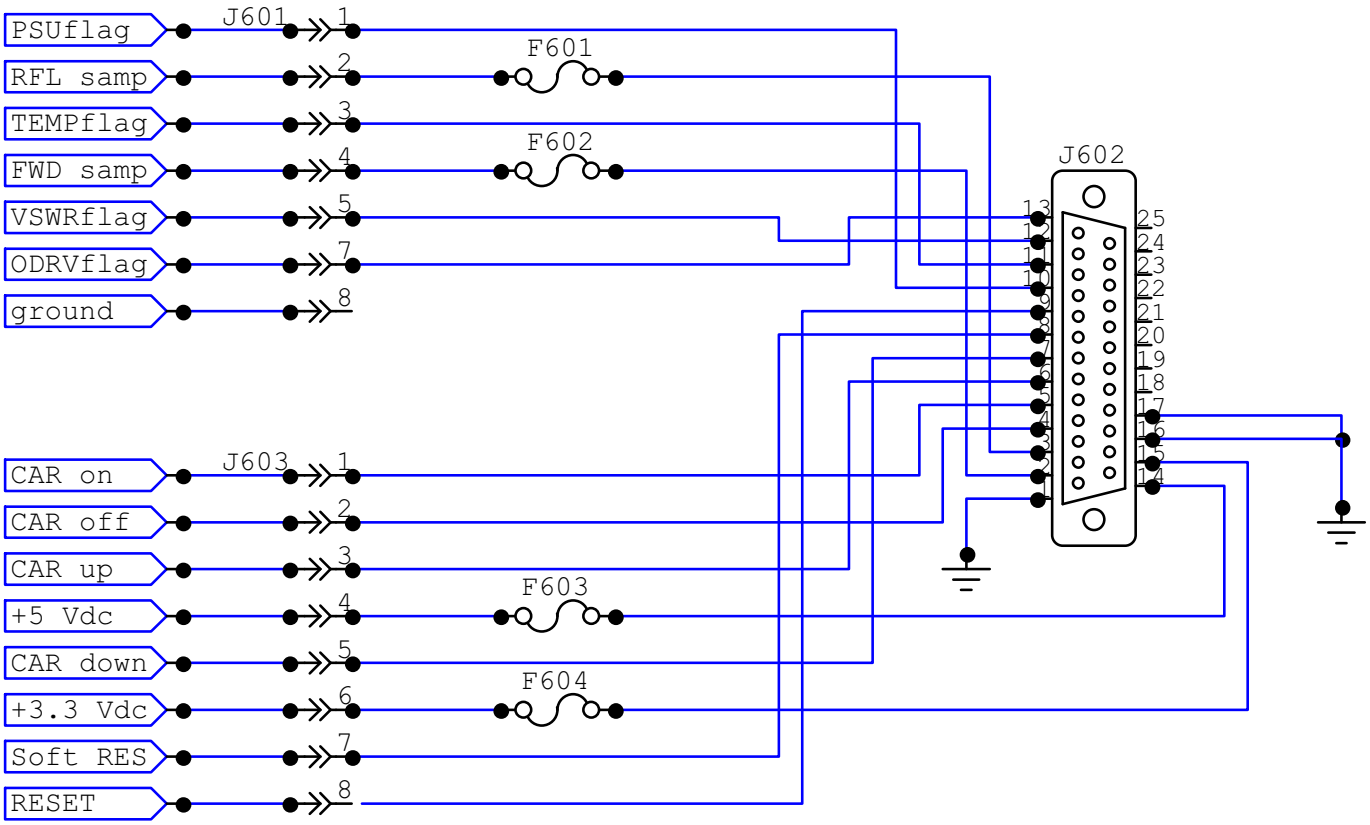

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TxNET	
Rev 1.10 LP	ID
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