

Base

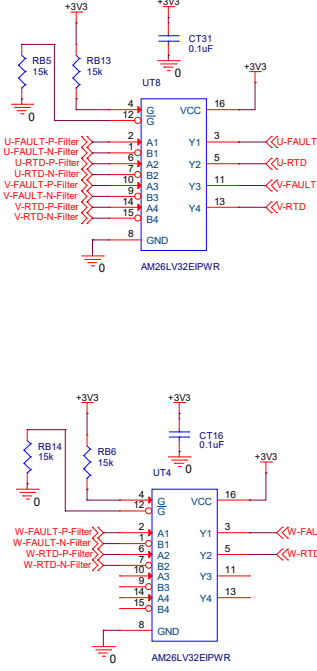
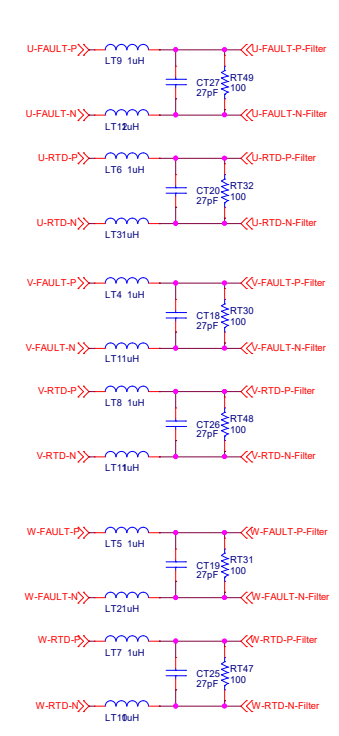
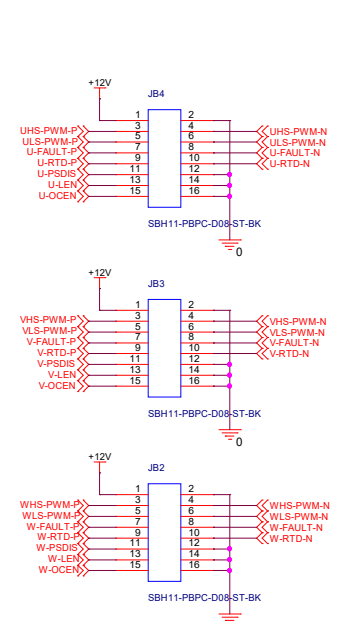
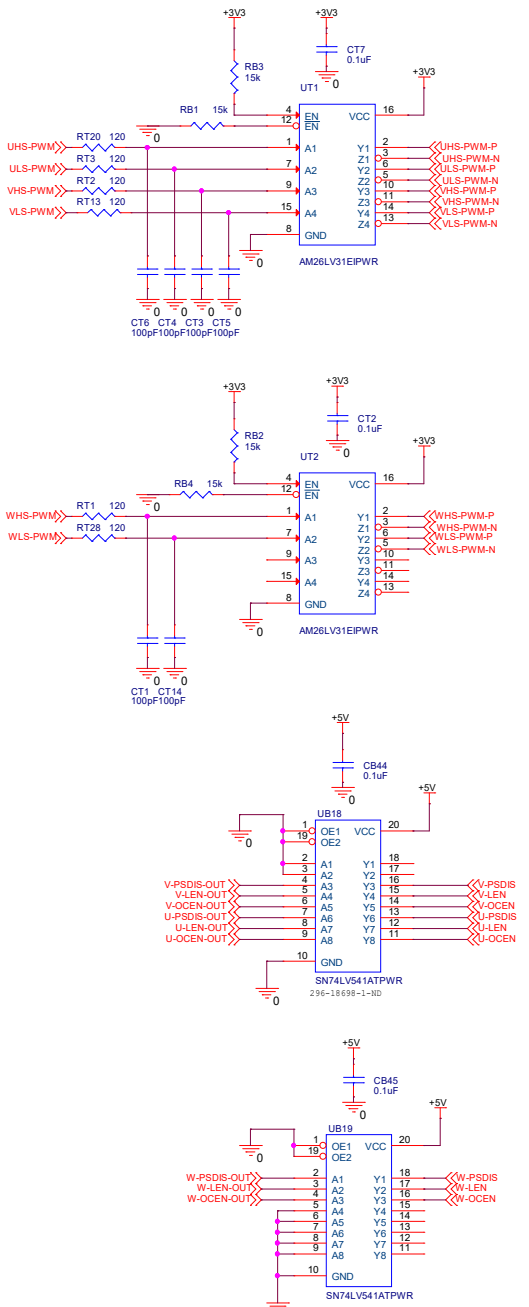


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Base



Title Gate Driver Interface UVW

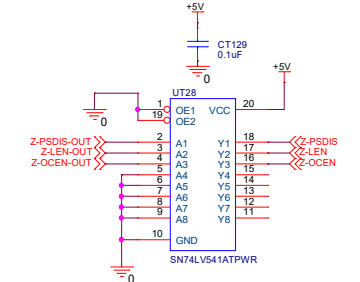
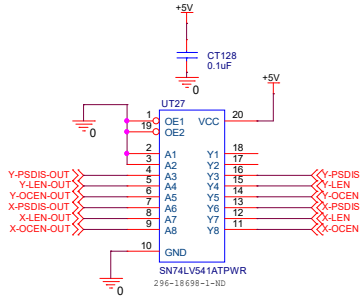
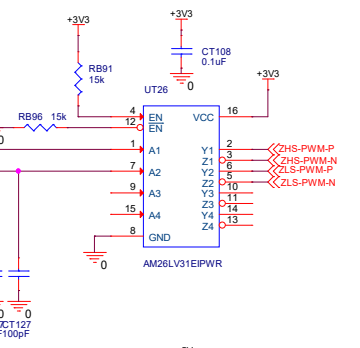
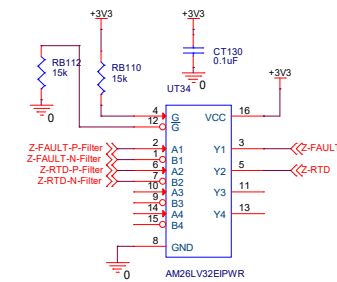
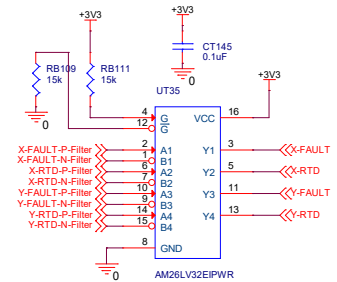
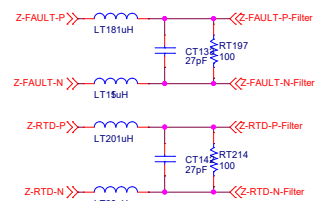
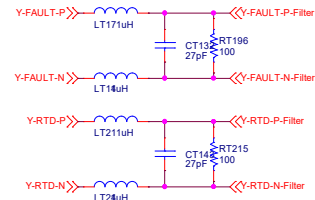
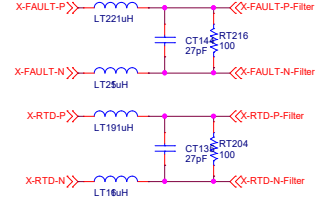
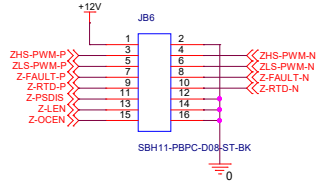
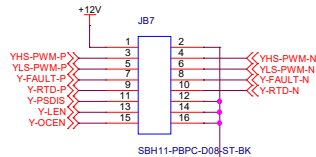
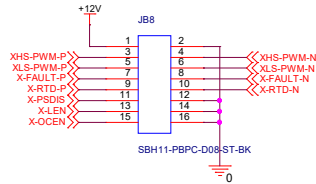
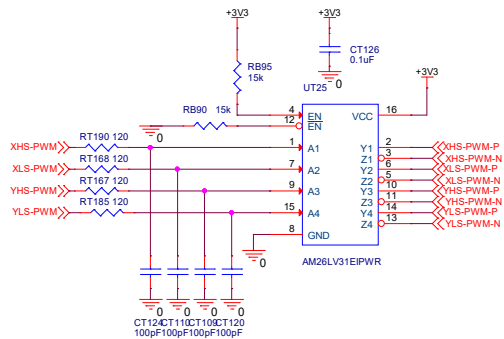
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Title Gate Driver Interfave XYZ

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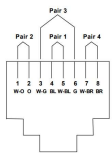
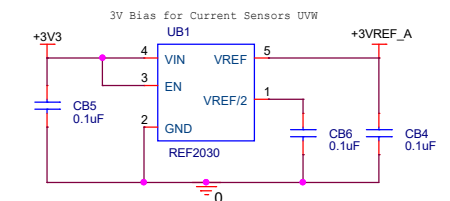
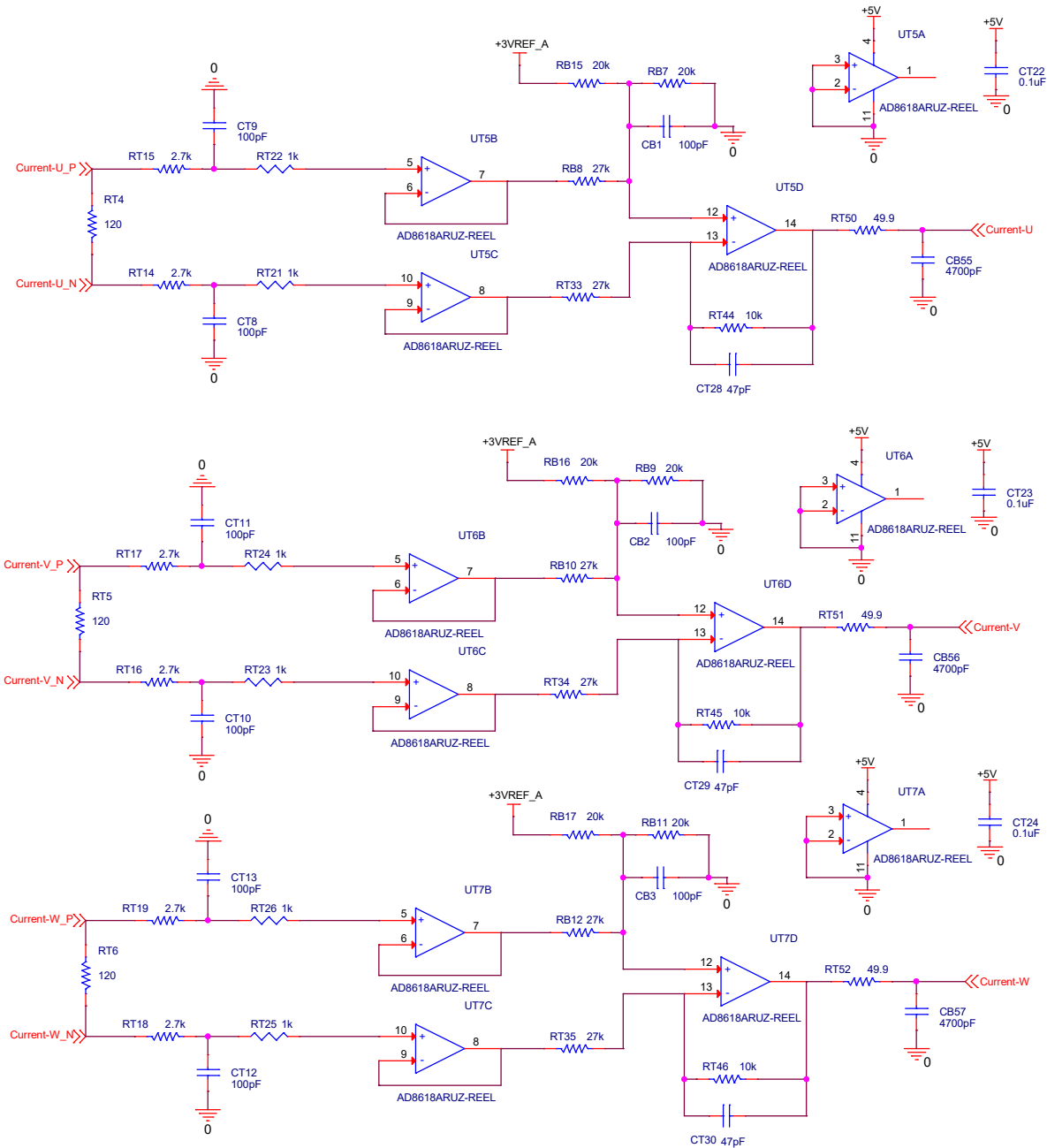
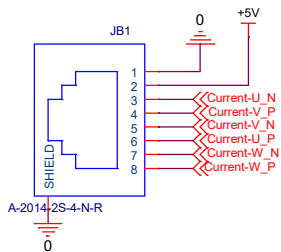


Figure 6-2 Optional eight-position jack pinpair assignment (TIA2A)



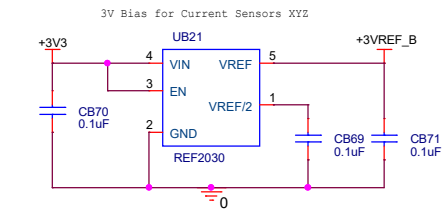
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Title: Current Sensor UVW		
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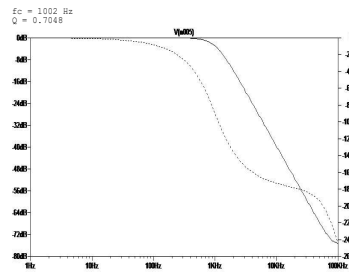
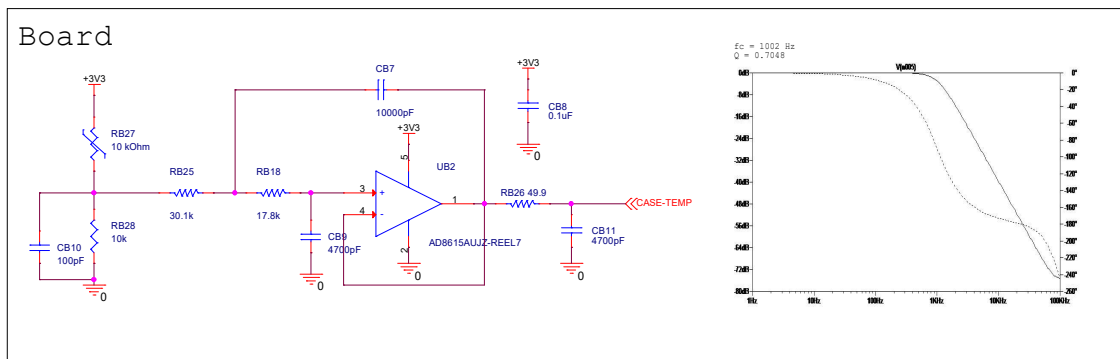
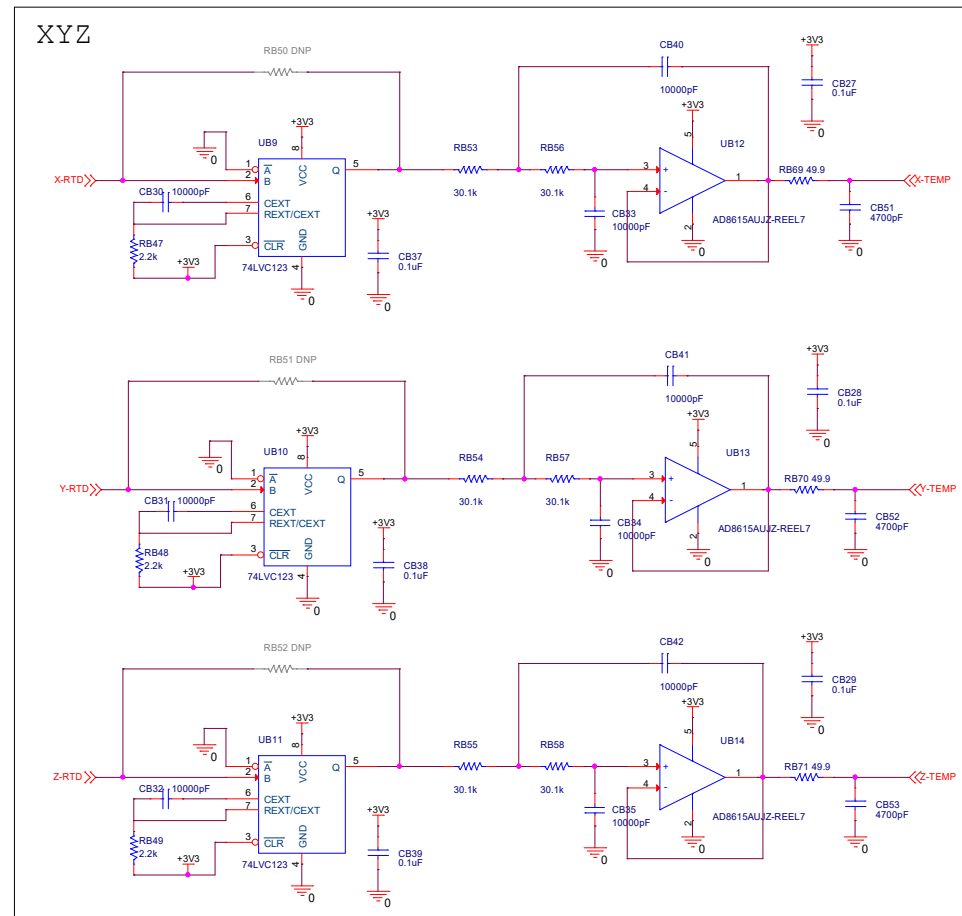
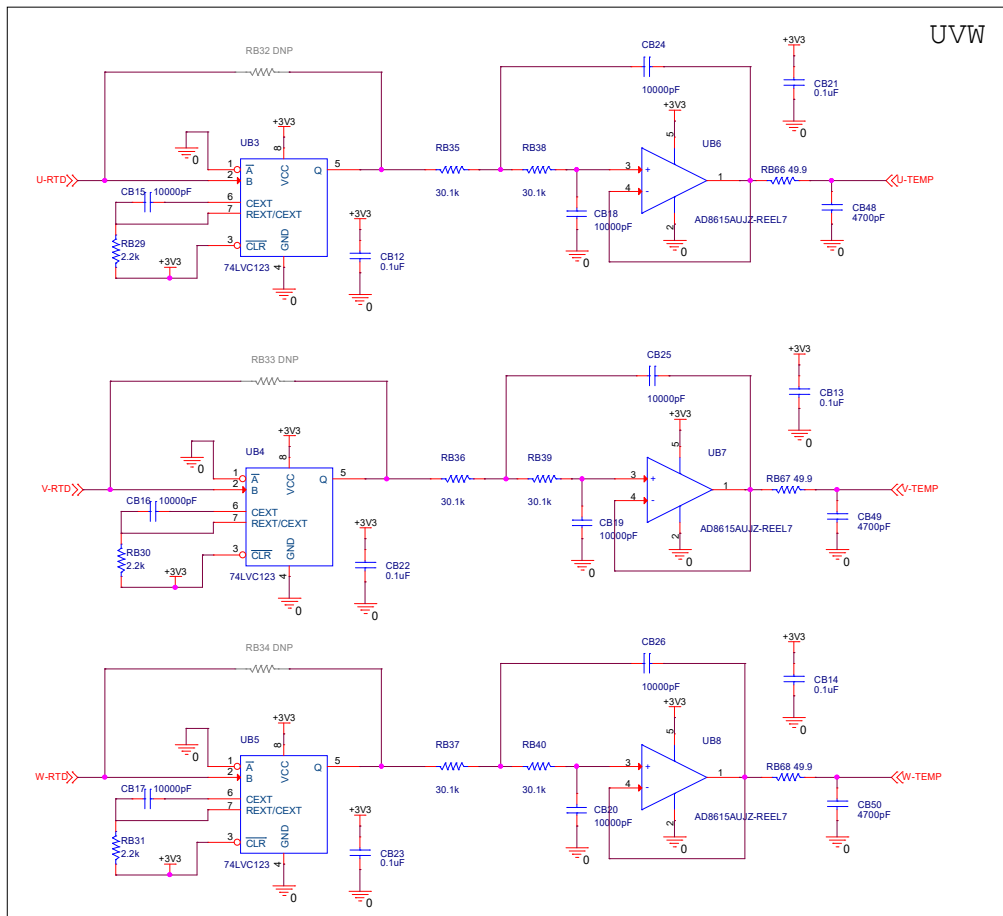
Figure 6-2 Optional eight-position jack pin/pair assignment (T668B)



Base



Title										Current Sensor XYZ									
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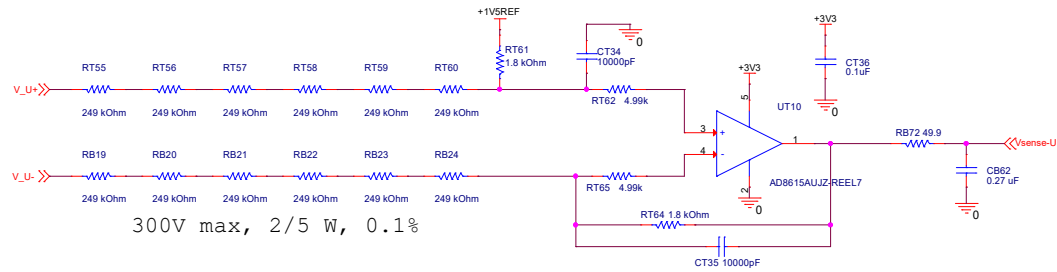
Base



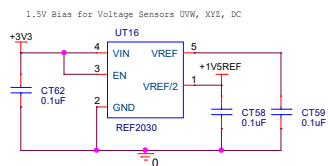
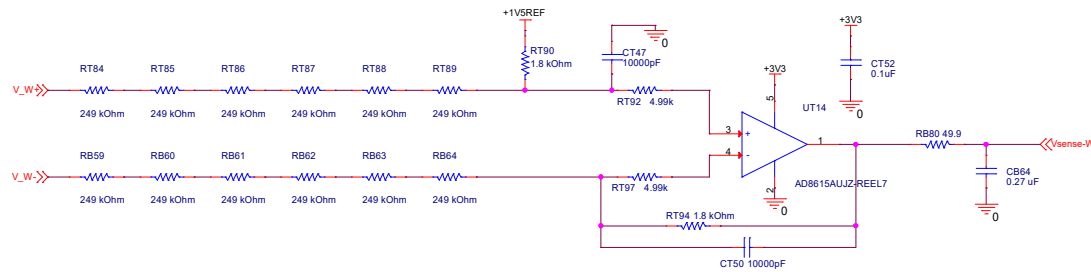
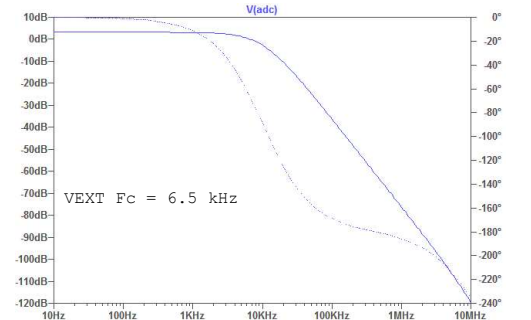
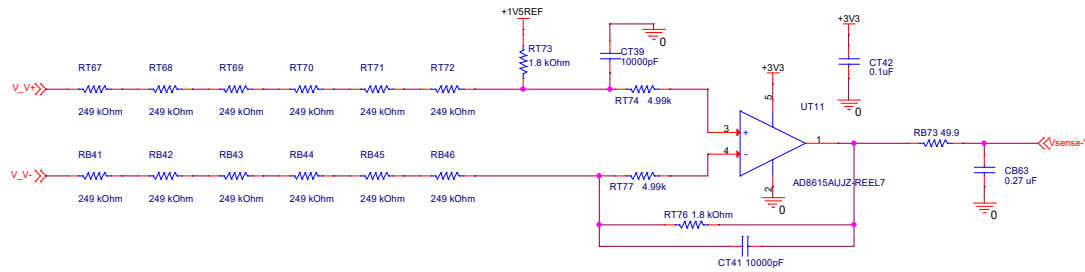
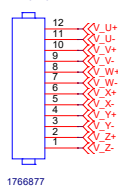
Title Temperature Sense

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HV Differential



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Title Voltage Sense UVW

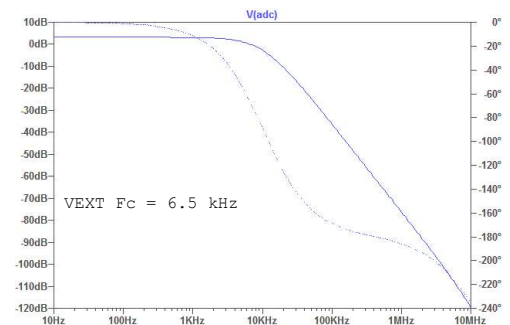
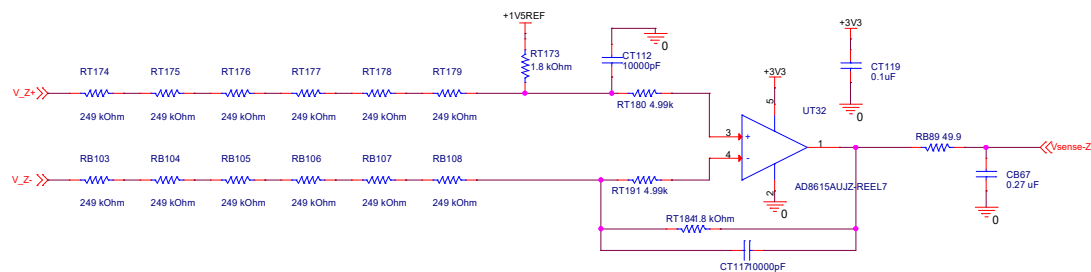
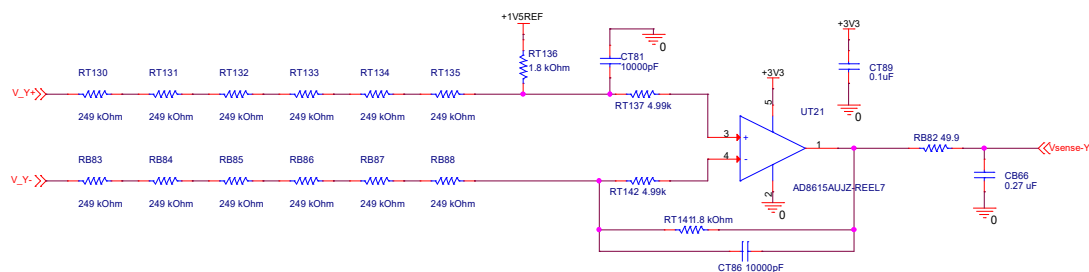
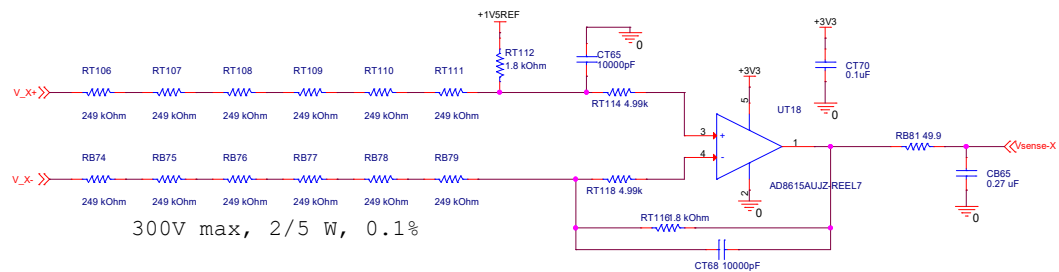
Size
A

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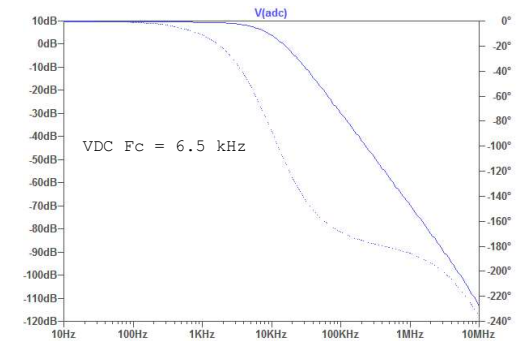
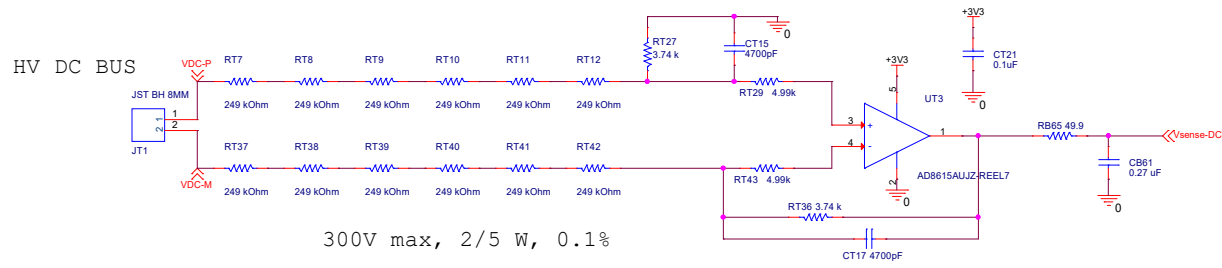
Base



Title Voltage Sense XYZ

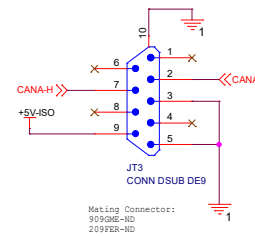
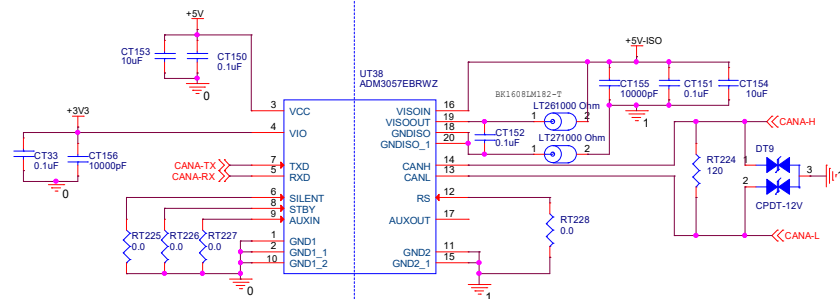
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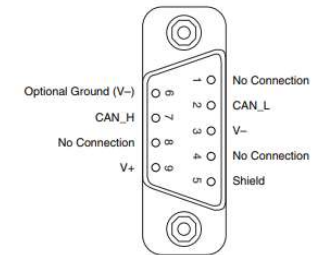


Base



Title Voltage Sense VDC		
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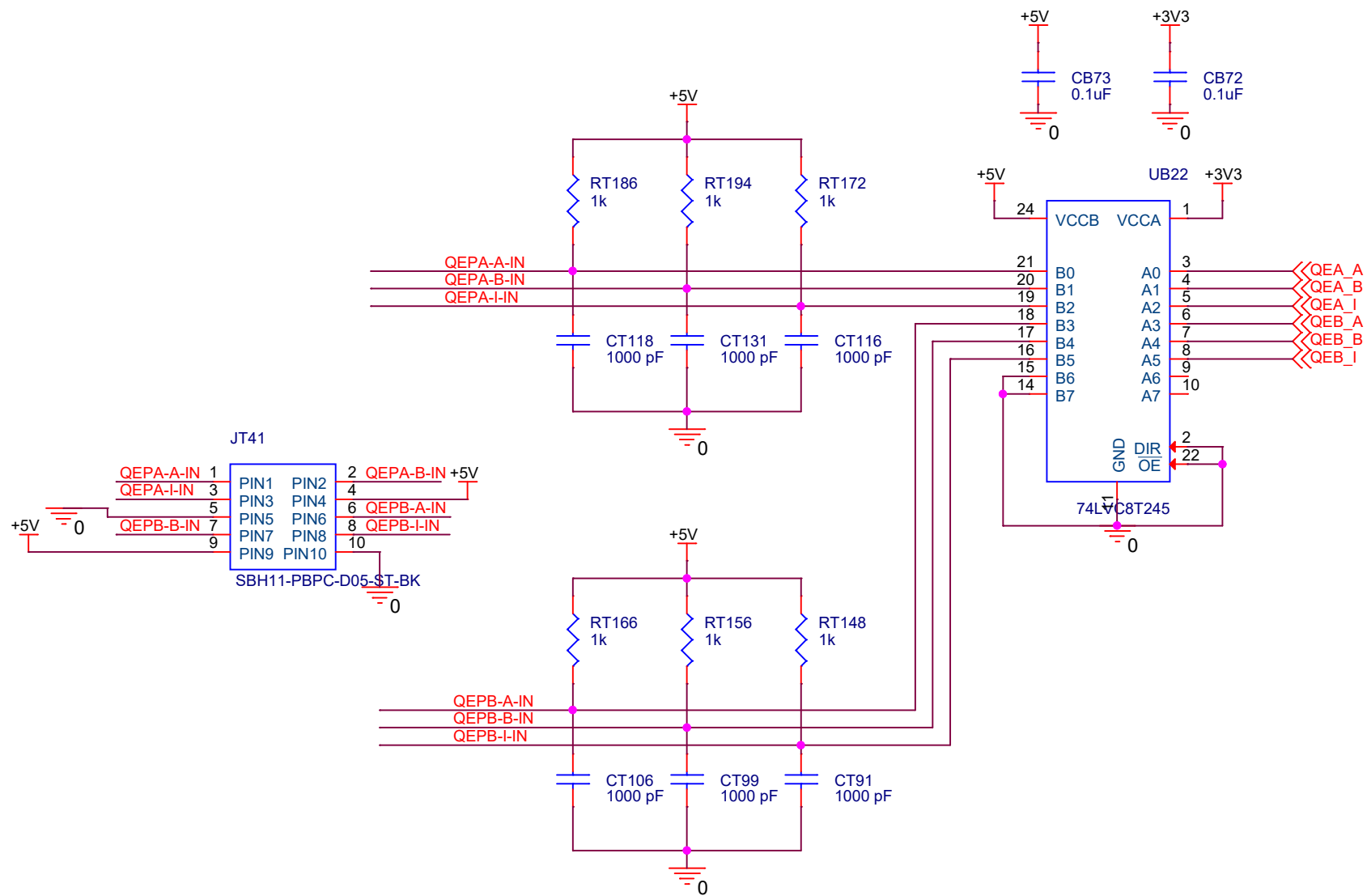


CiA DS102





Base

 		
Title CAN		
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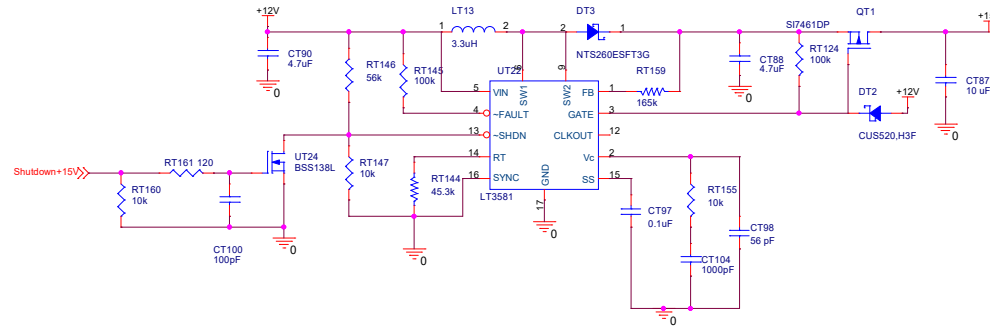
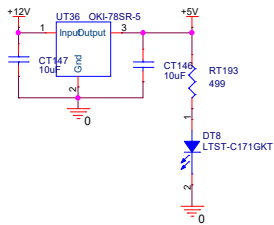
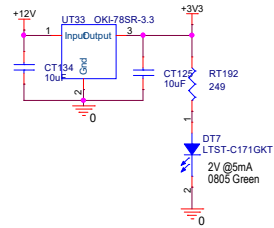
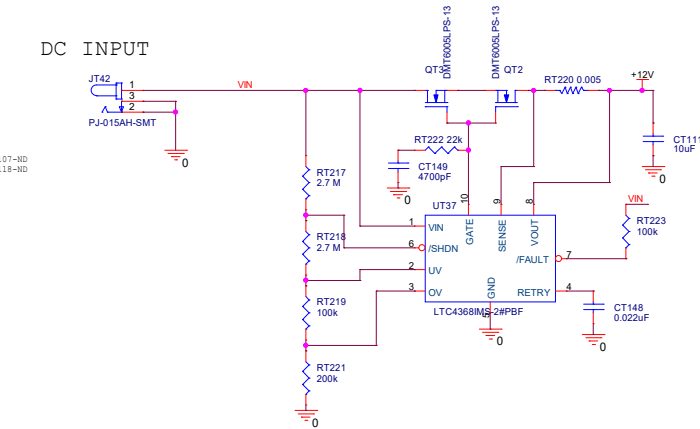
Title QEP

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DC INPUT

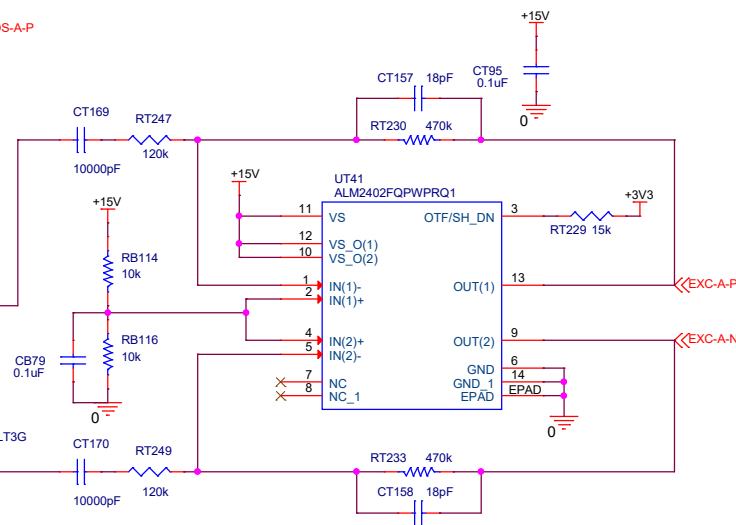
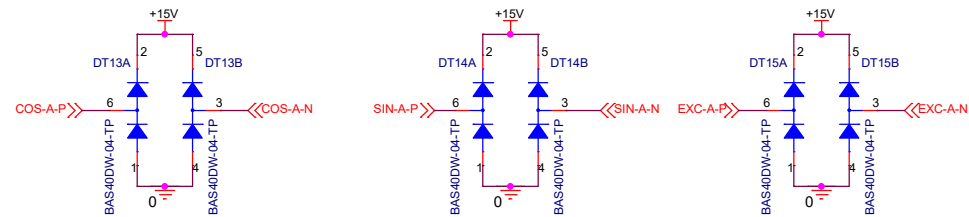
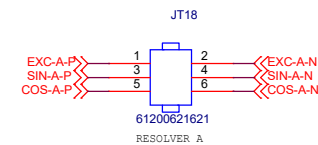
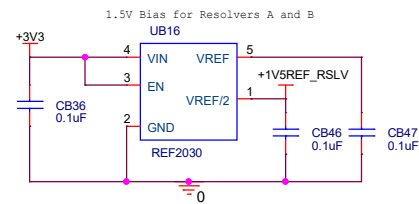
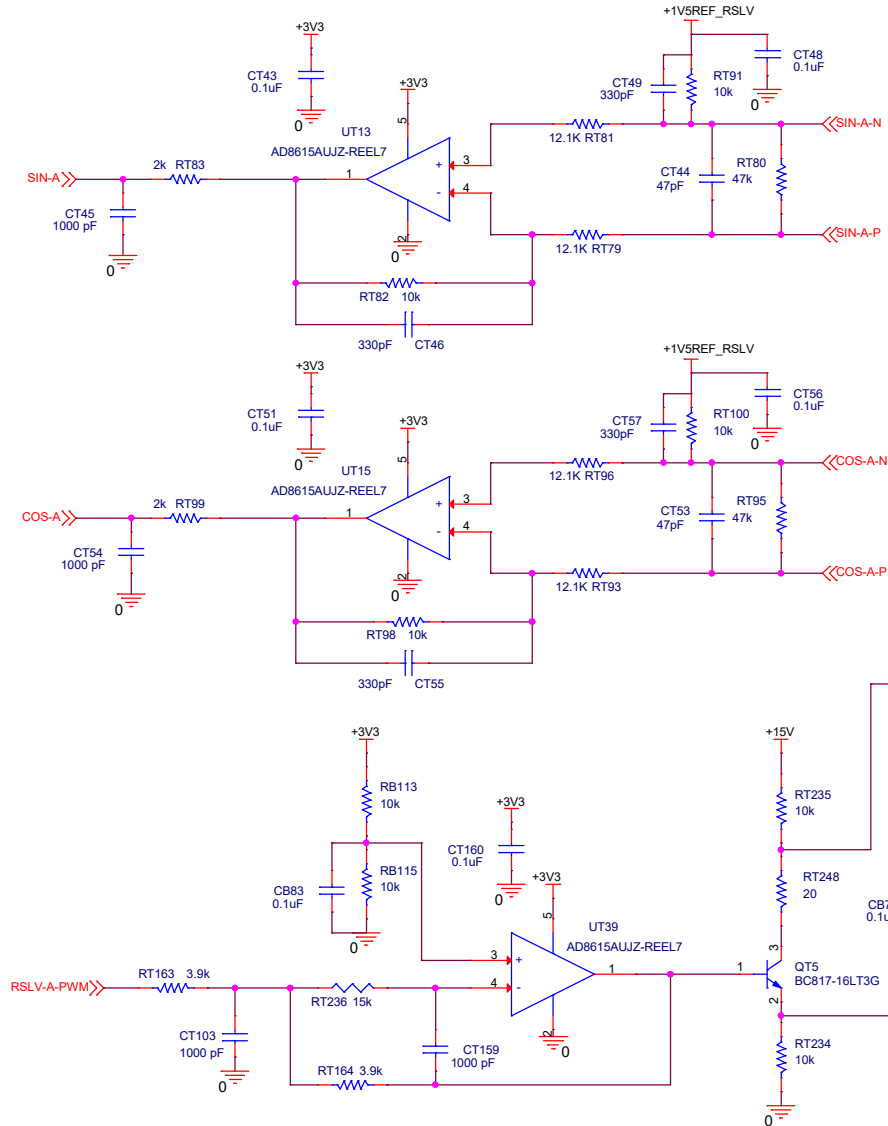
Power Supply:
PBAK50M-120 993-1107-ND
PBAK350M-120 993-1118-ND
Plug: CP3-1000-ND



Base

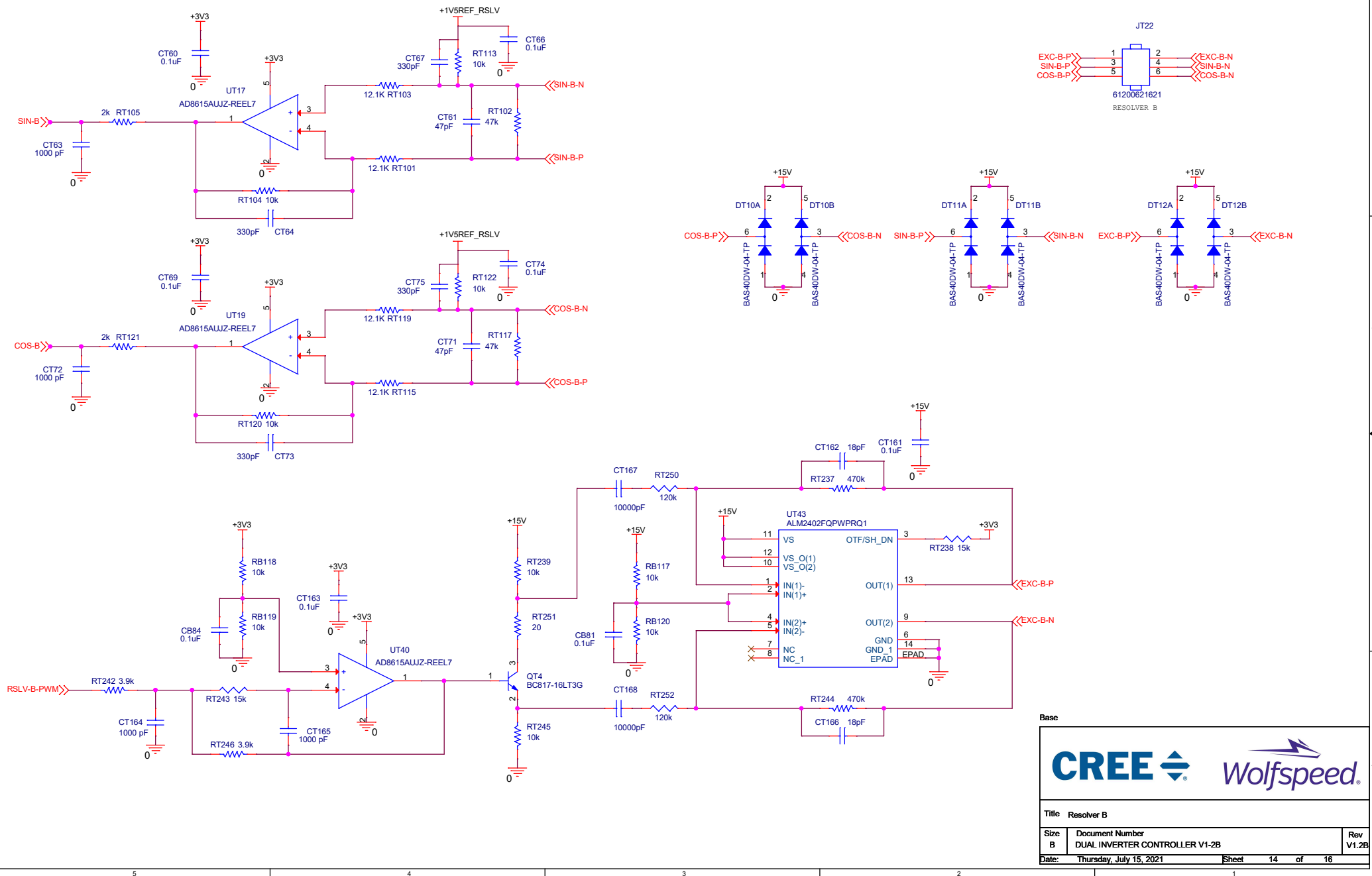
Title Power Supply		
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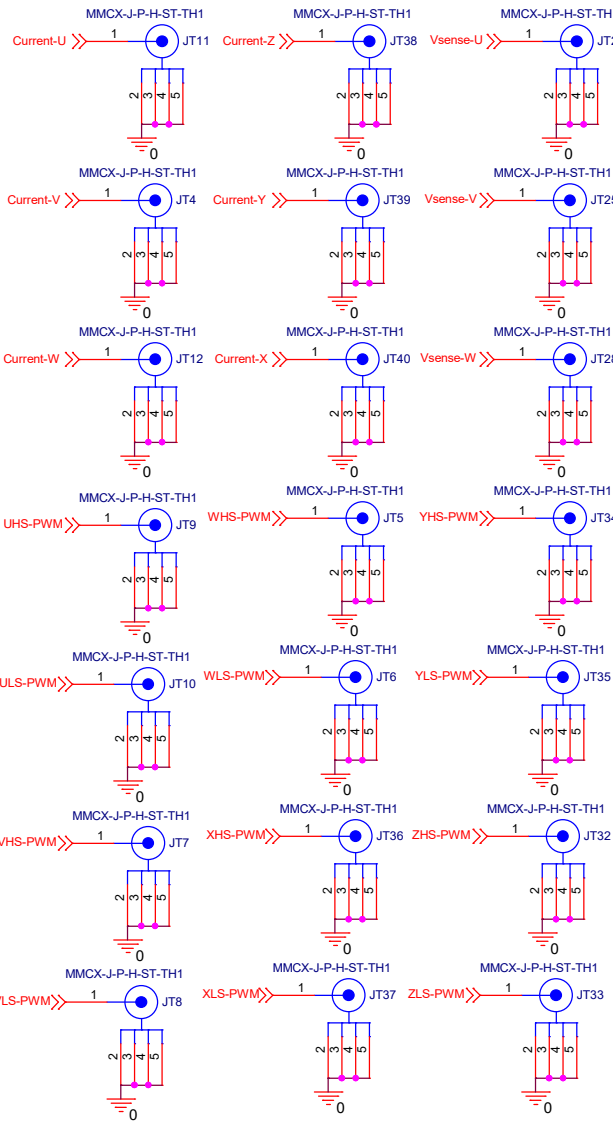


Title Resolver A		
Size B	Document Number DUAL INVERTER CONTROLLER V1-2B	Rev V1.2B
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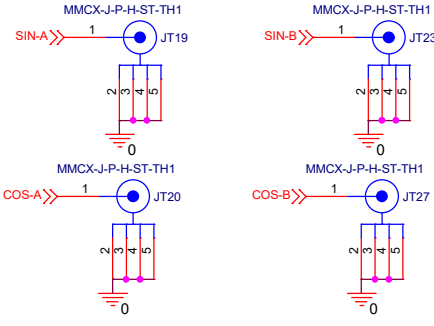
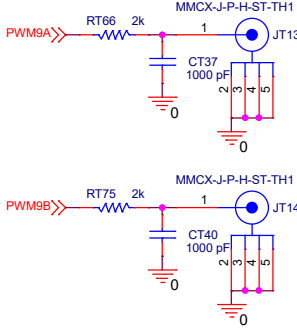






Title Resolver B		
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TEST POINTS:
 12 PWM
 6 Current
 7 Voltage
 1 Fault
 2 PWM DAC
 4 Resolver



Base

CREE  

Title Test Points

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Revision History:

V1.0: 5/7/2020

-Initial Release

V1.1B: 8/20/2020

-Corrected ControlCard pinout mismatch

-ADM3057 CAN transceiver + power

-Cleaned silkscreen text

V1.1B: 10/16/2020

-Corrected resolver circuit wiring in OPA2209

-Changed RT220 to 5mOhm, set limit to 10A for increased inrush current

V1.2A: 12/30/2020

-Changed resolver circuit to ALM2402

V1.2B 7/15/2021

-Changed filter capacitors and gain in resolver excitation circuit

-Changed filter capacitors in current sensor receiver circuit

Base



Title Revision History

Size
A

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