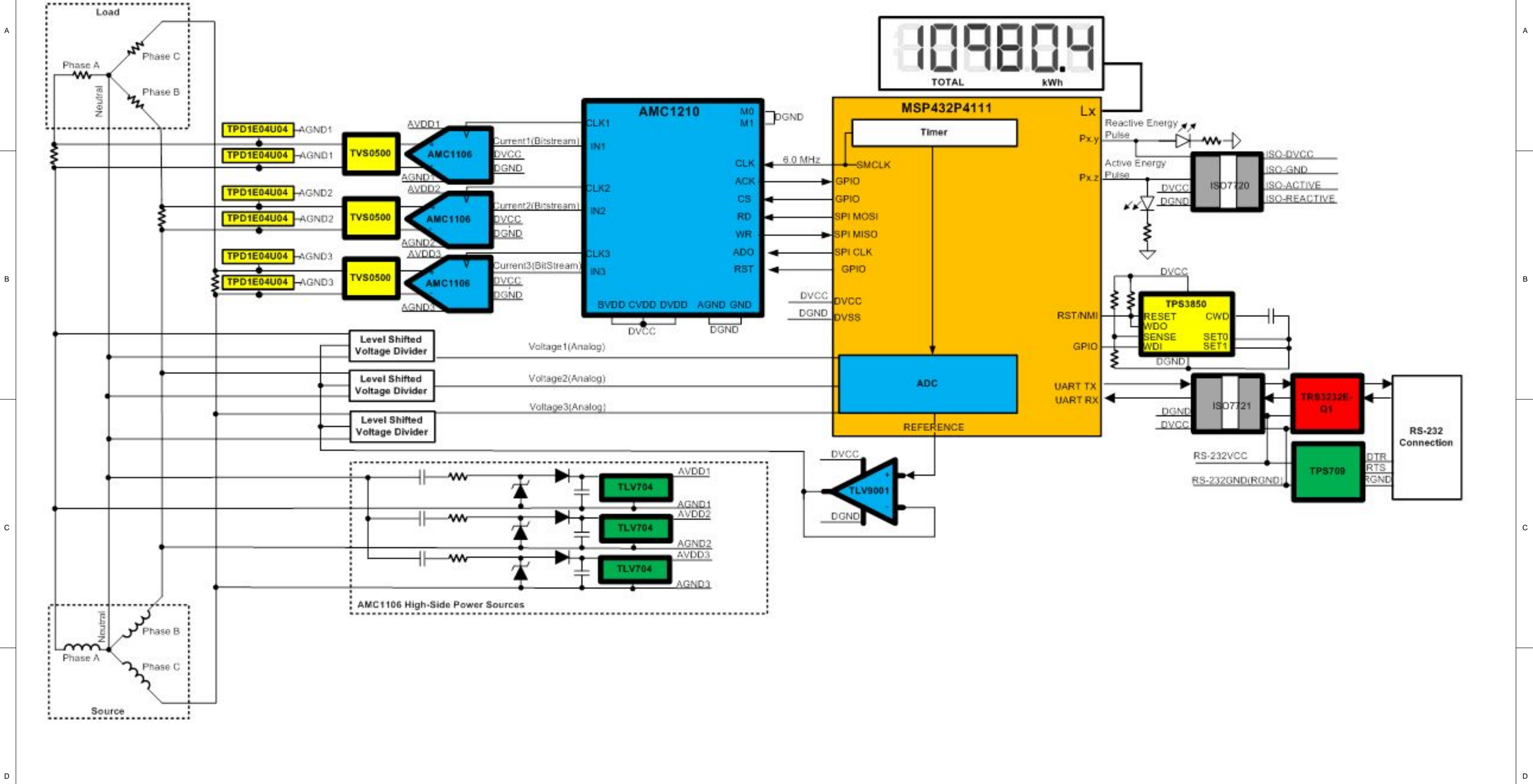


Revision History				
Rev	ECN #	Approved Date	Approved by	Notes
N/A	N/A	N/A	N/A	N/A



A

B

C

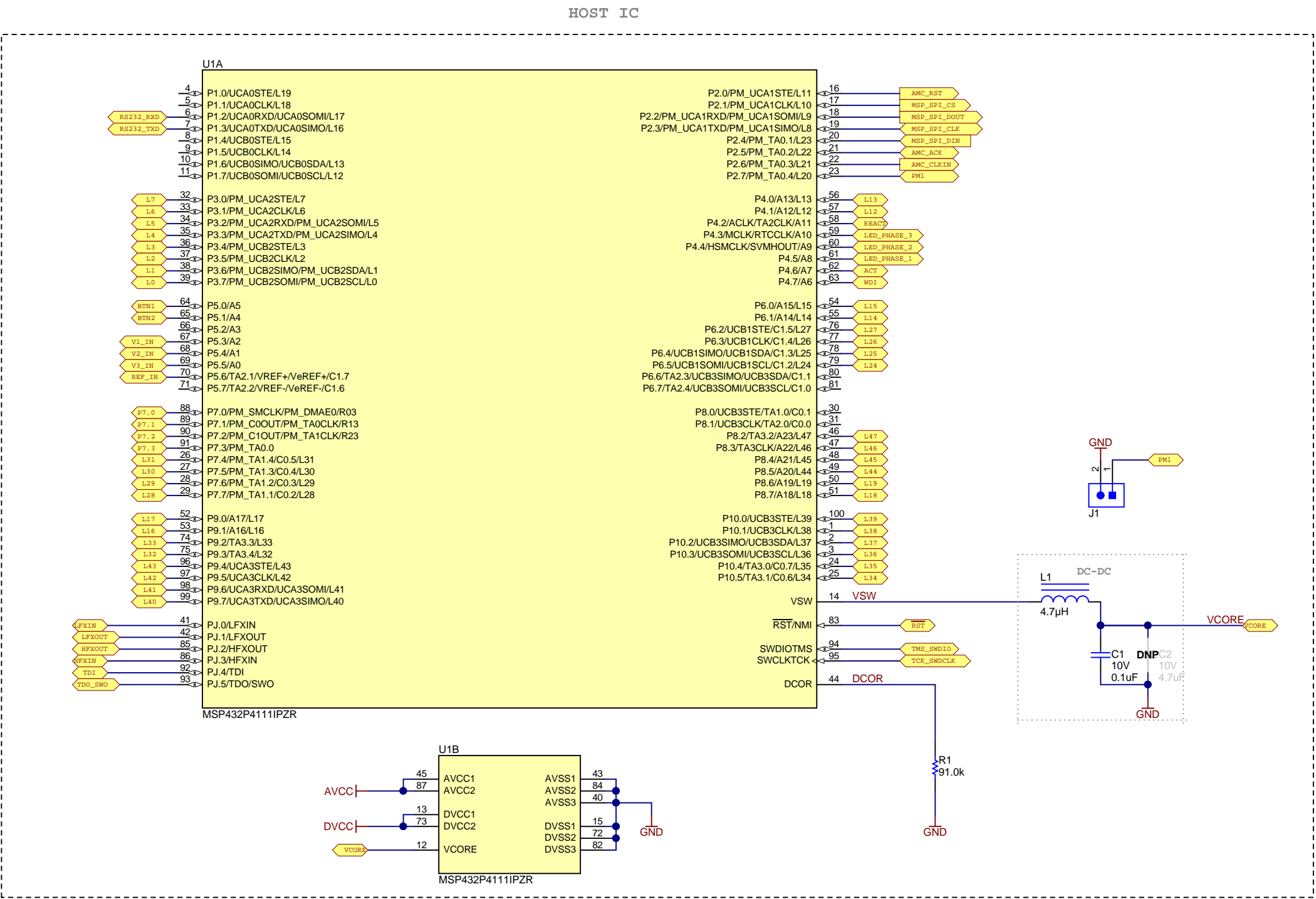
D

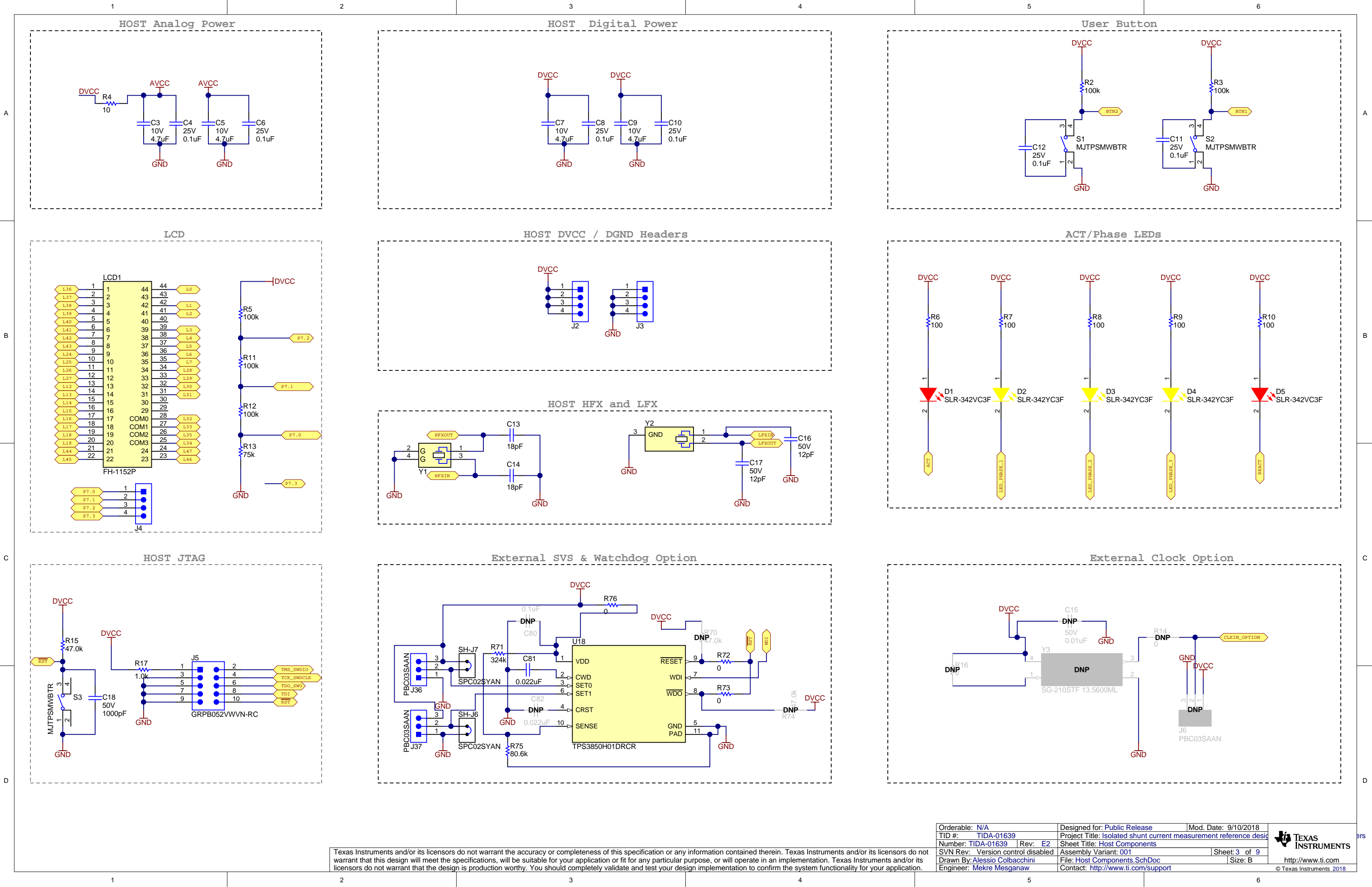
A

B

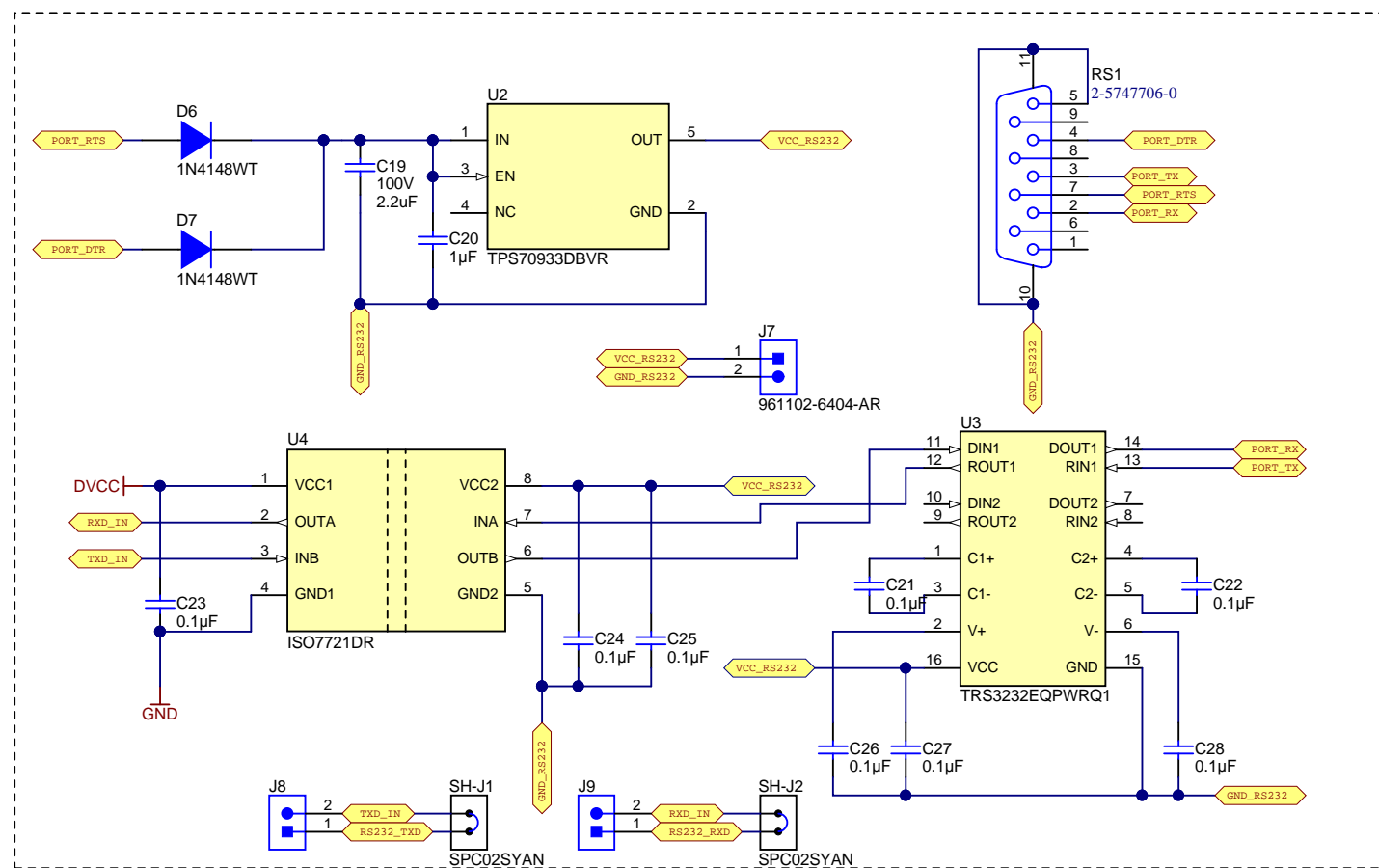
C

D

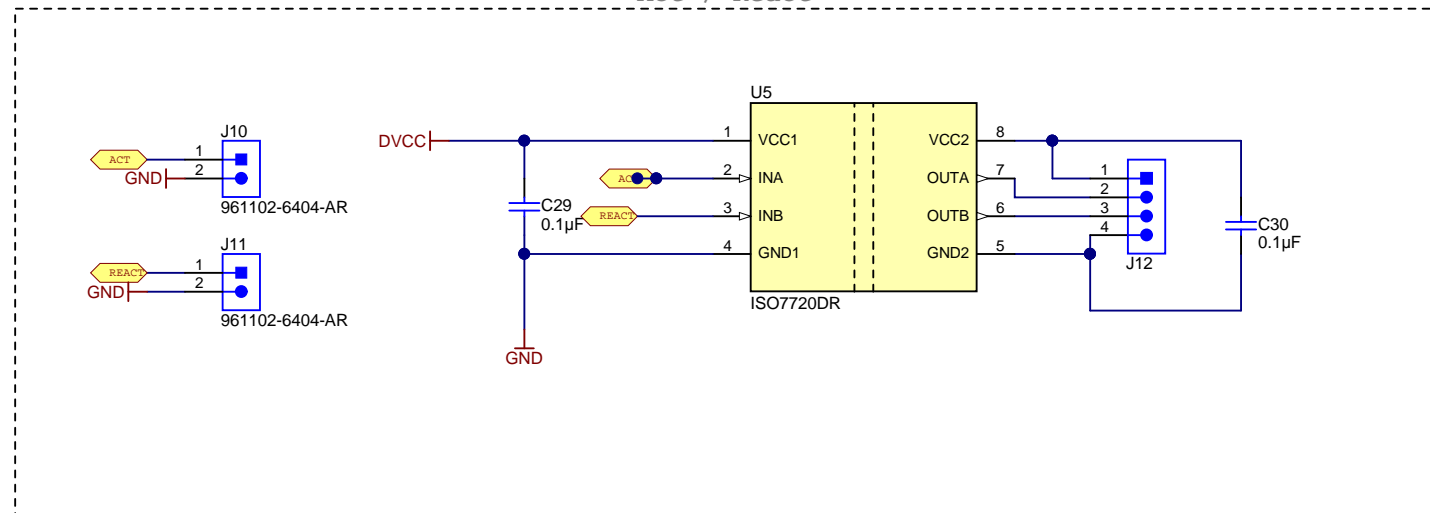




Isolated RS232 Communication



Act / React



A

B

C

D

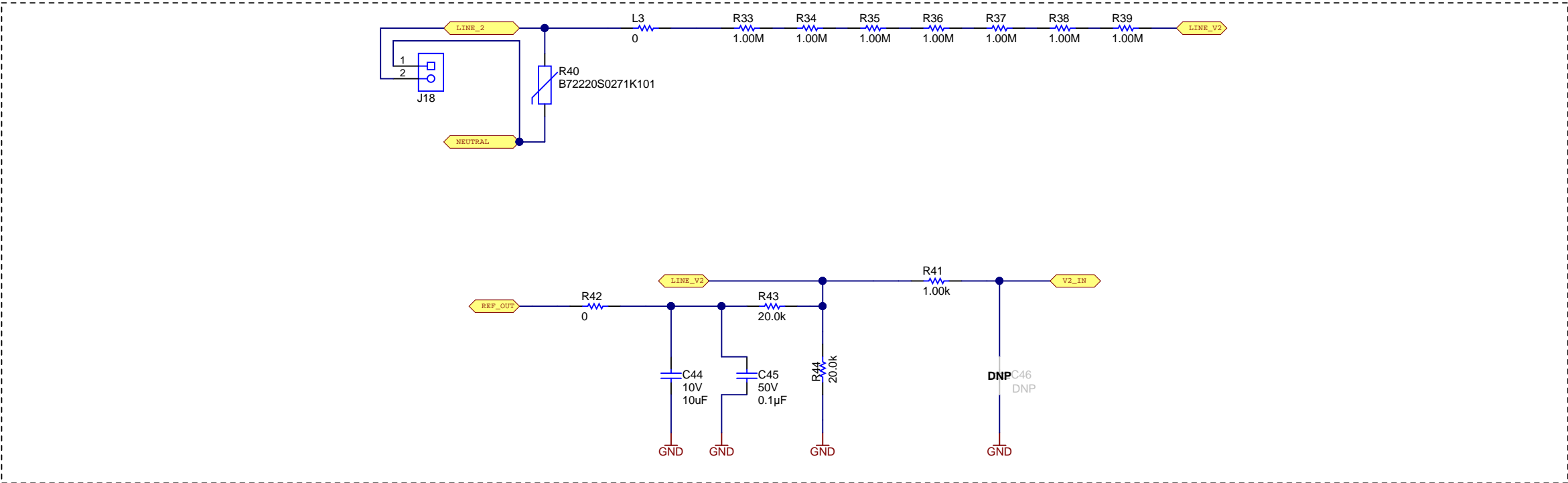
A

B

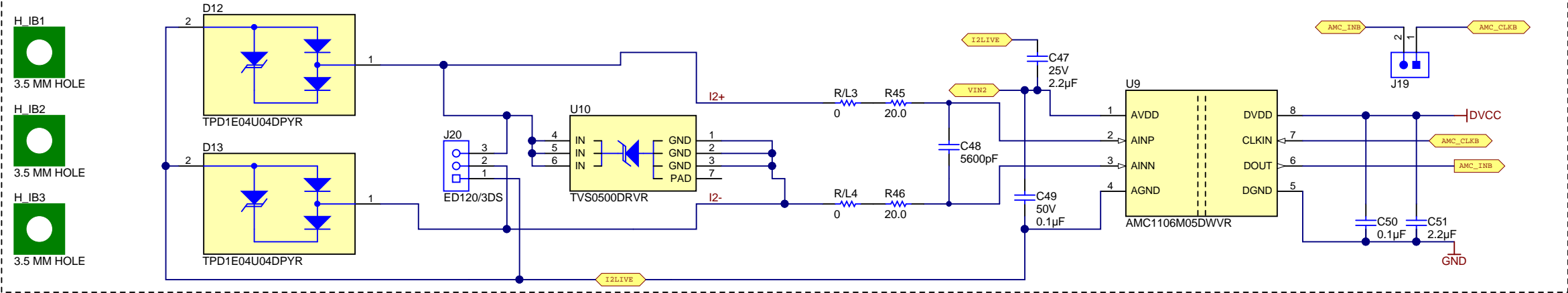
C

D

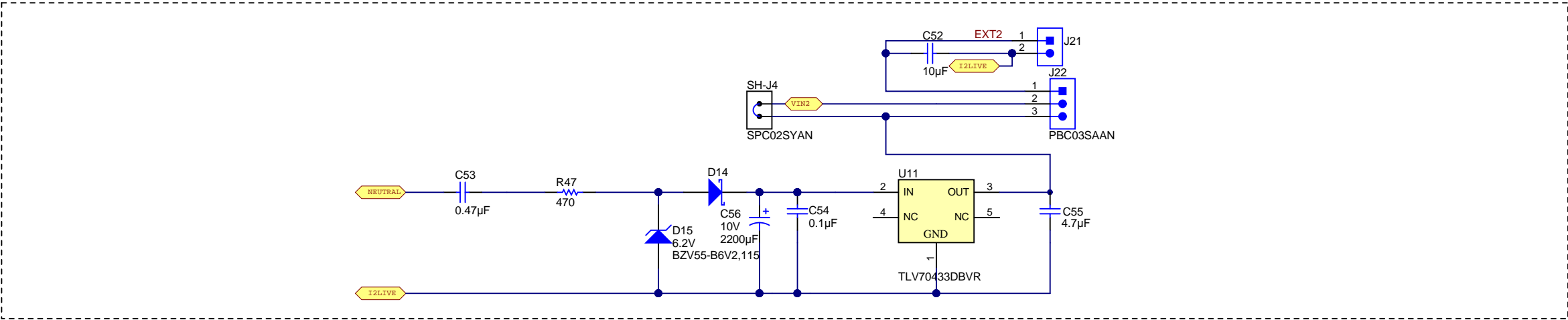
Phase B Voltage Sensing(MSP432)



Phase B Current Sensing(AMC1106)



Phase B Current Sensing(AMC1106) Power Supply



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Orderable: N/A	Designed for: Public Release	Mod. Date: 5/18/2018
TID #: TIDA-01639	Project Title: Isolated shunt current measurement reference design	
Number: TIDA-01639	Rev: E2	Sheet Title: Phase B Voltage and Current Front End Circuitry
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 6 of 9
Drawn By: Alessio Colbacchini	File: Phase B Metrology_SchDoc	Size: B
Engineer: Mekre Mesganaw	Contact: http://www.ti.com/support	

A

B

C

D

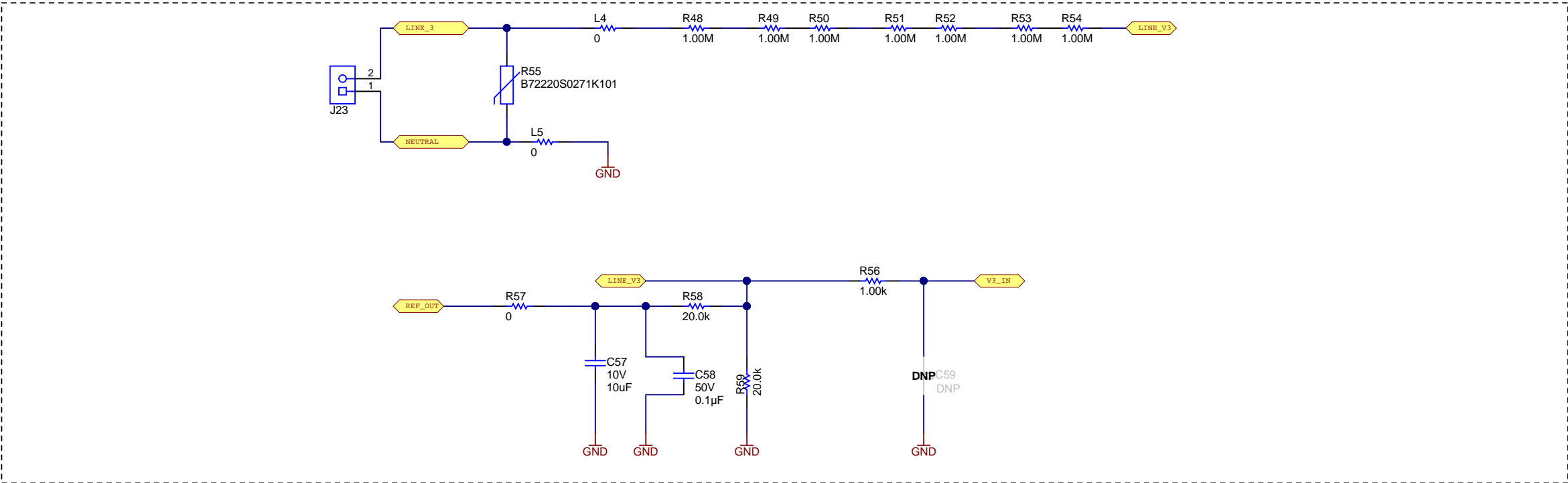
A

B

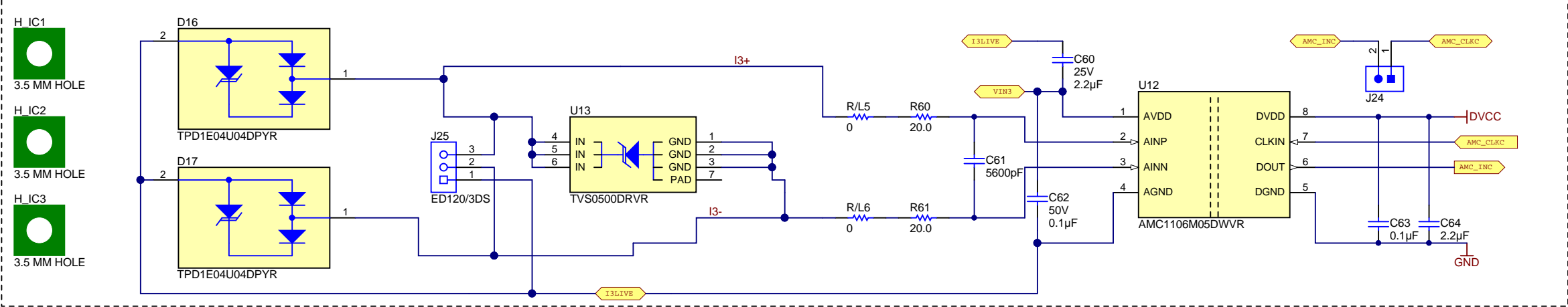
C

D

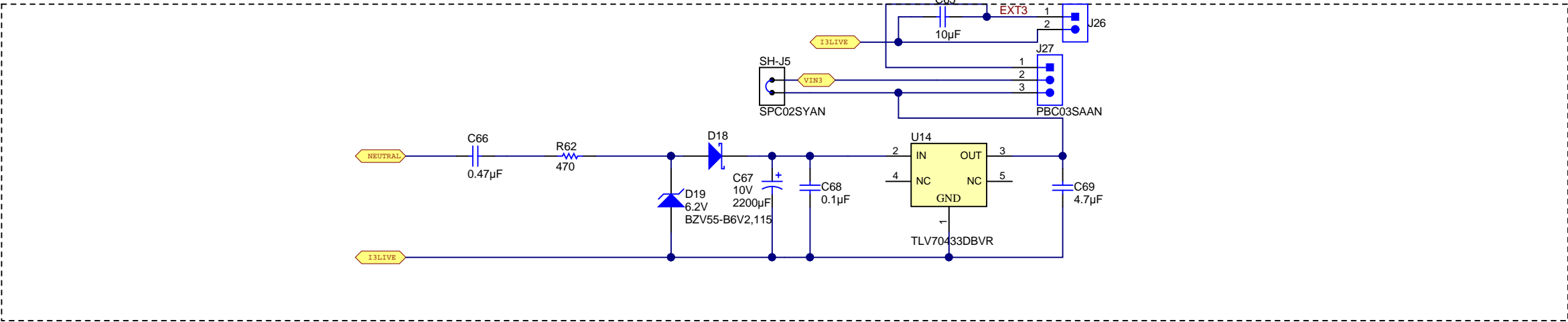
Phase C Voltage Sensing(MSP432)



Phase C Current Sensing(AMC1106)



Phase C Current Sensing(AMC1106) Power Supply



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Orderable: N/A	Designed for: Public Release	Mod. Date: 5/18/2018
TID #: TIDA-01639	Project Title: Isolated shunt current measurement reference design	
Number: TIDA-01639	Rev: E2	Sheet Title: Phase C Voltage and Current Front End Circuitry
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 7 of 9
Drawn By: Alessio Colbacchini	File: Phase C Metrology_SchDoc	Size: B
Engineer: Mekre Mesganaw	Contact: http://www.ti.com/support	

A

B

C

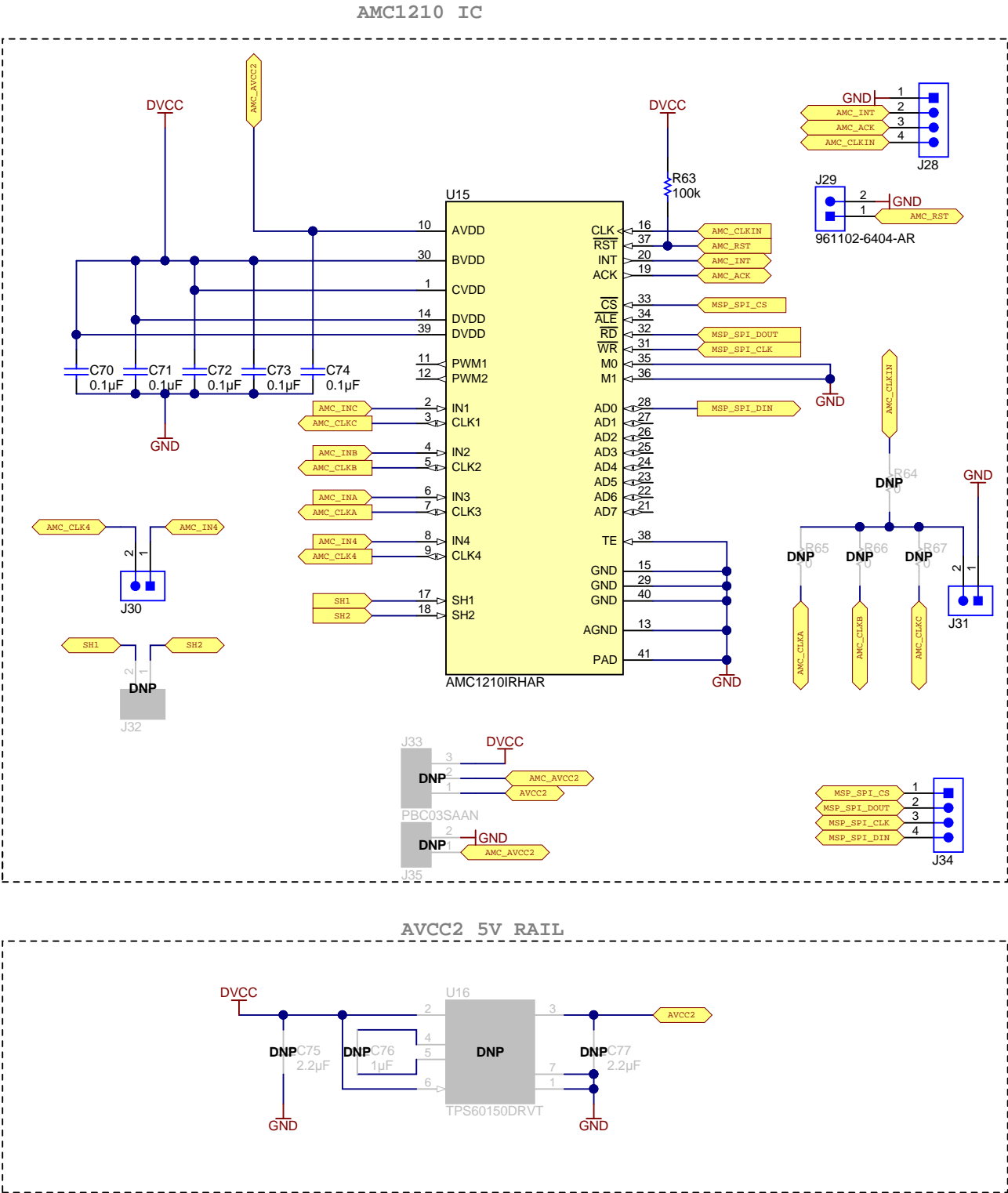
D

A

B

C

D



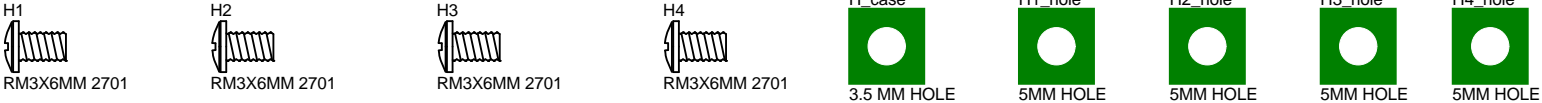


PCB
LOGO

Pb-Free Symbol

PCB
LOGO

FCC disclaimer



LBL1

PCB Label

THT-14-423-10

Size: 0.65" x 0.20 "

ZZ1

Label Assembly Note

This Assembly Note is for PCB labels only

Variant/Label Table	
Variant	Label Text
001	ChangeMe!
002	ChangeMe!



ZZ2

Assembly Note

These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3

Assembly Note

These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4

Assembly Note

These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

ZZ5

Assembly Note

J13, J18, and J23 should be rotated 180 degrees so that the portion of the terminal block where wires connect points away from the left edge of the board.

ZZ6

Assembly Note

J15, J20, and J25 should be rotated 180 degrees so that the portion of the terminal block where wires connect points towards the bottom edge of the board.