

PGA85x EVM:

Added R32 pin 6 to A0, R47 pin 8 to A1, R67 Pin 12 to A2 for PGA85x ctrl. Added R96 pin 36 to pin 38.

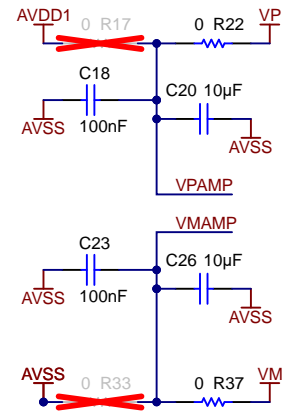
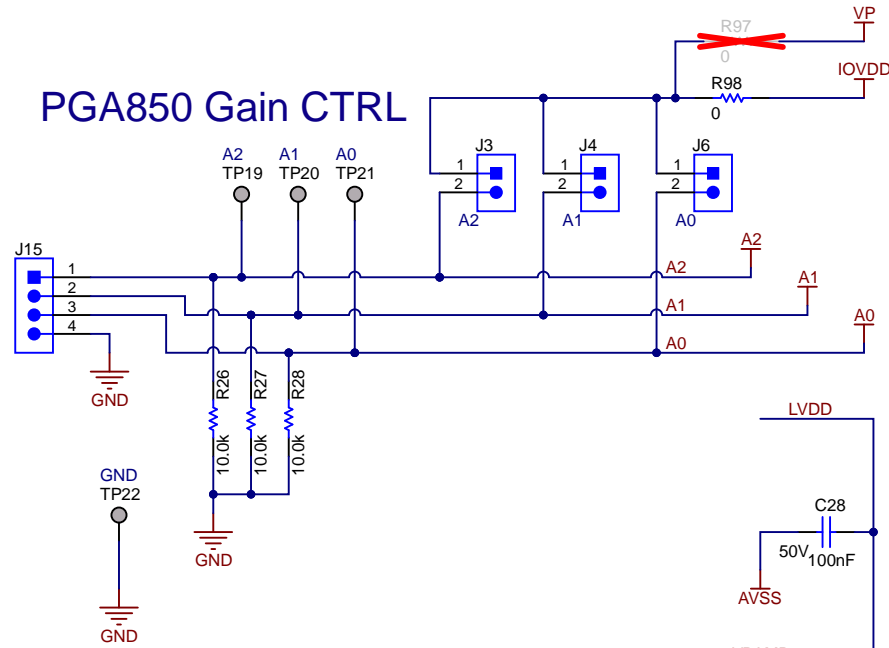
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Orderable: N/A	Designed for: Public Release	Mod. Date: 10/30/2023
TID #: TIDA-010945	Project Title: Precision signal chain for digital multimeters	
Number: TIDA-010945	Rev: E1	Sheet Title: Main Schematic
SVN Rev: Not in version control	Assembly Variant: 002	Sheet: 1 of 4
Drawn By: Keith Nicholas	File: AMPS220E1.SchDoc	Size: B
Engineer: Luis Chioye	Contact: http://www.ti.com/support	

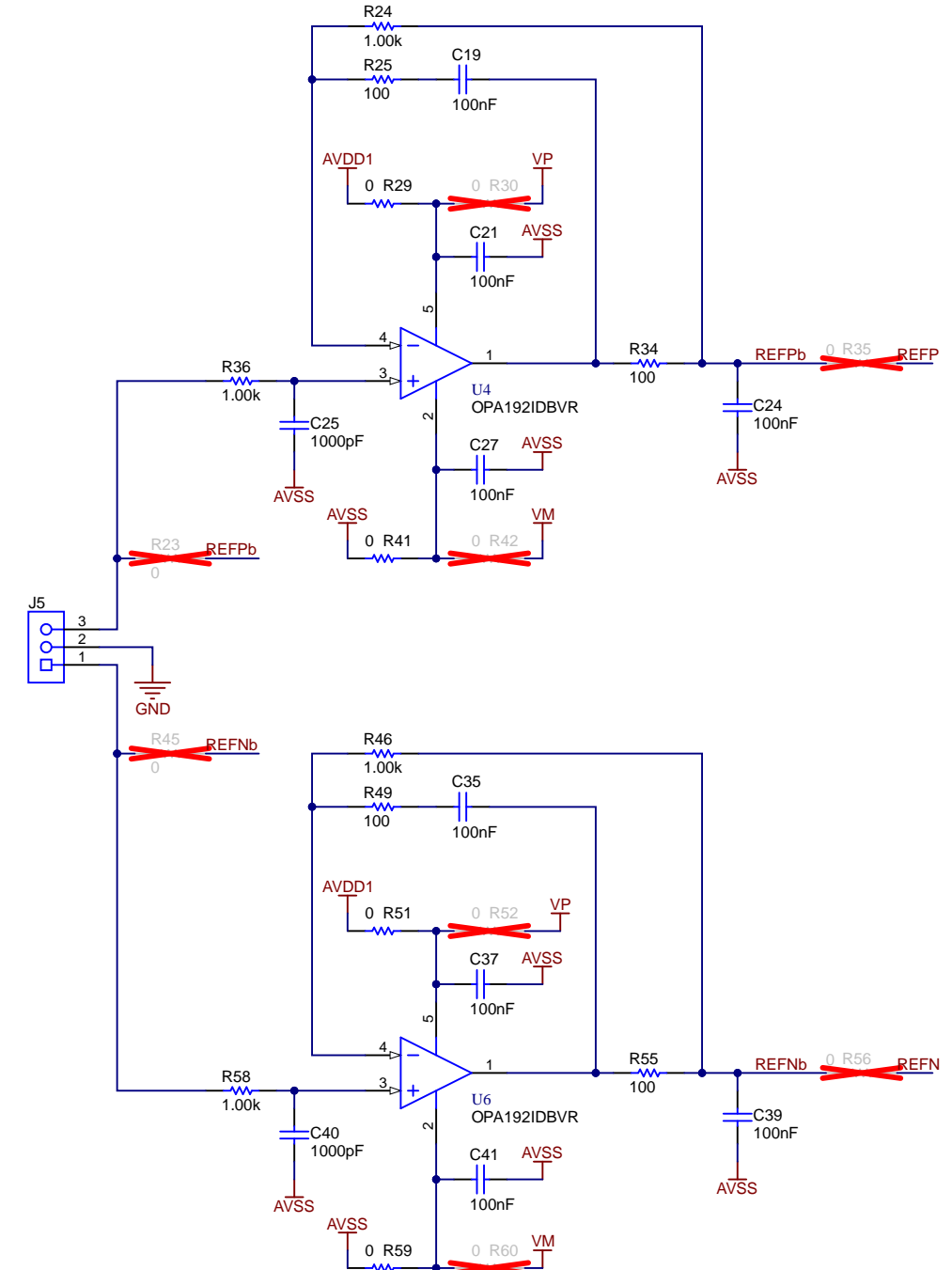


PGA850 Gain CTRL

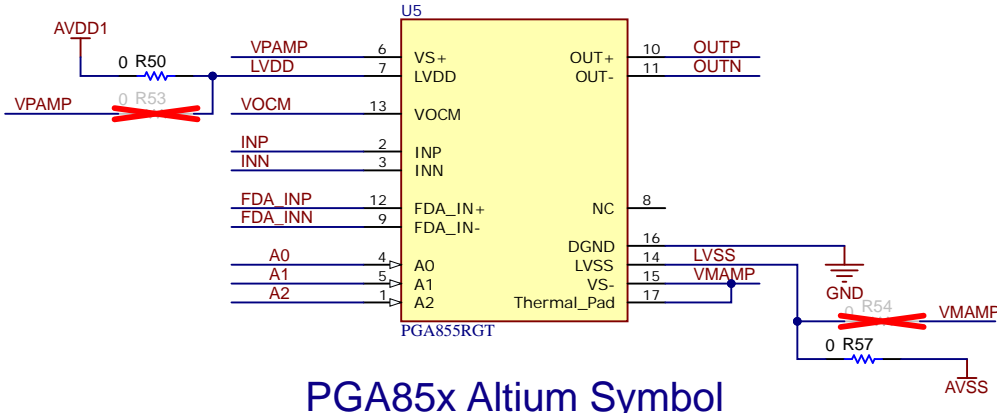
A2	A1	A0	Gain
0	0	0	0.125
0	0	1	0.25
0	1	0	0.5
0	1	1	1
1	0	0	2
1	0	1	4
1	1	0	8
1	1	1	16



EXTERNAL REFERENCE

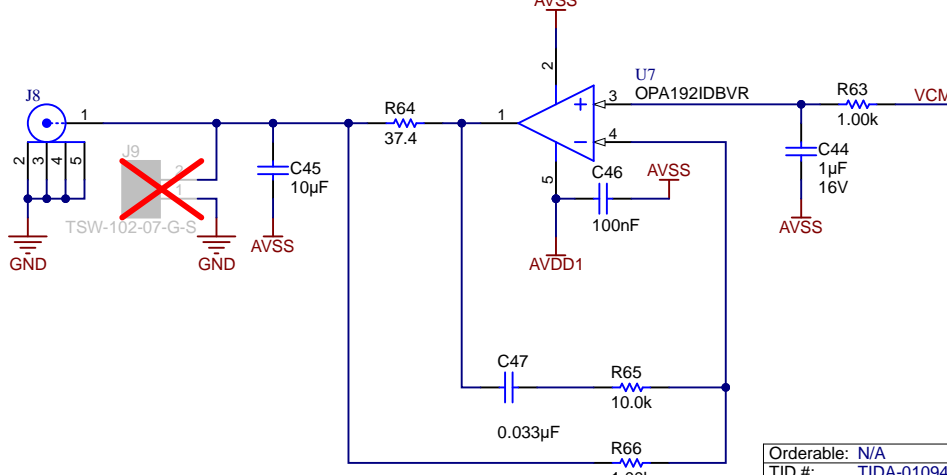


INPUT AMPLIFIER

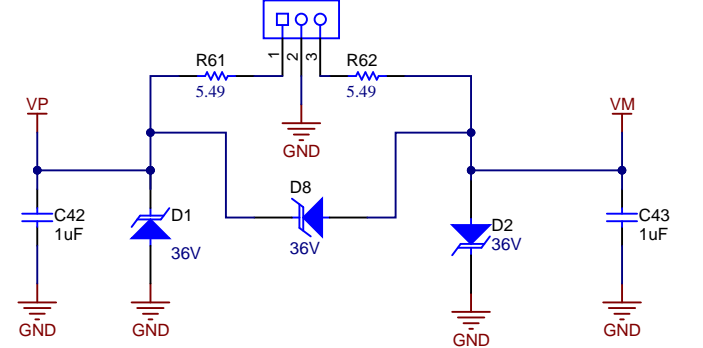


PGA85x Altium Symbol

VCOM BUFFER

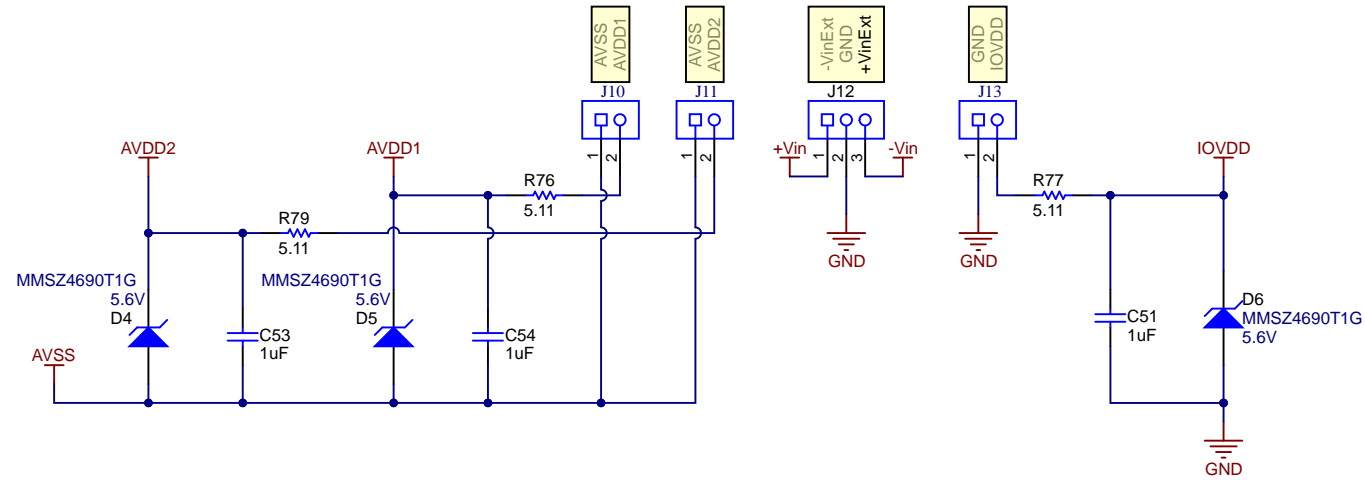


AMP/REF Power Configuration

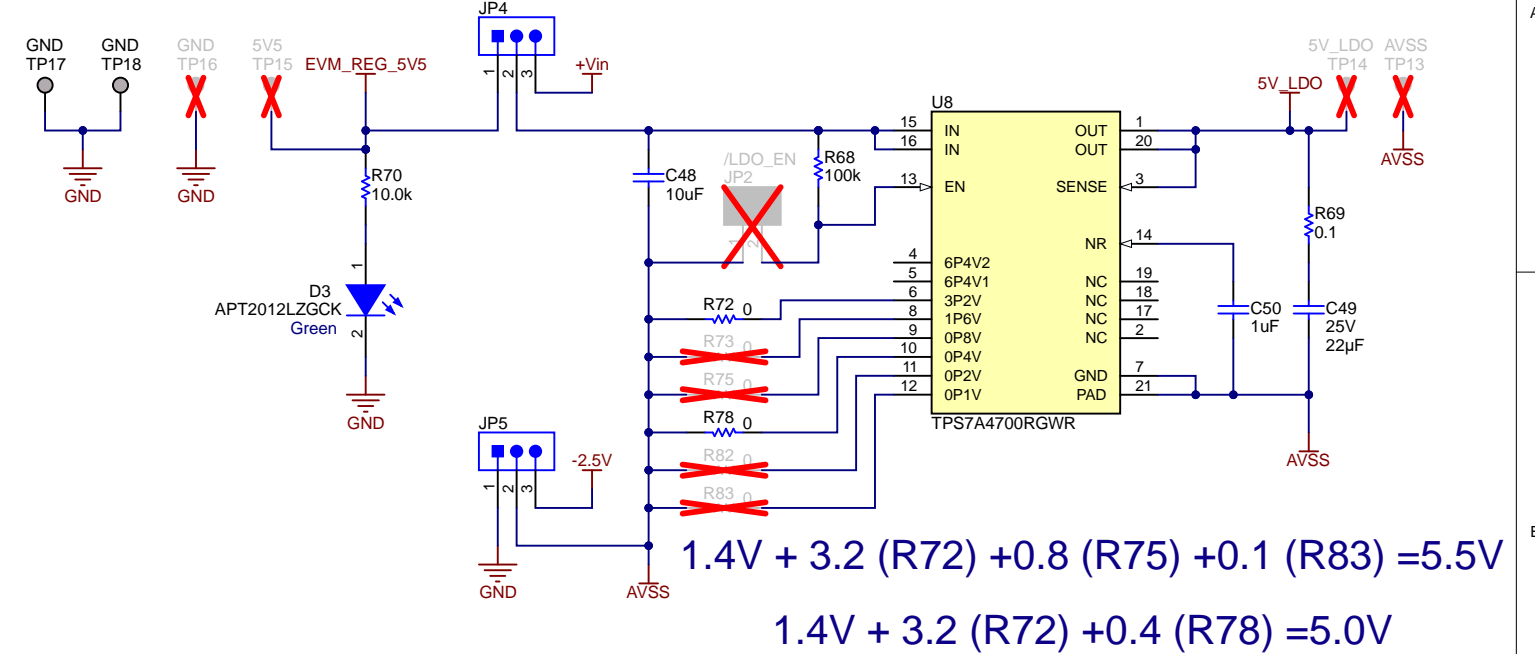


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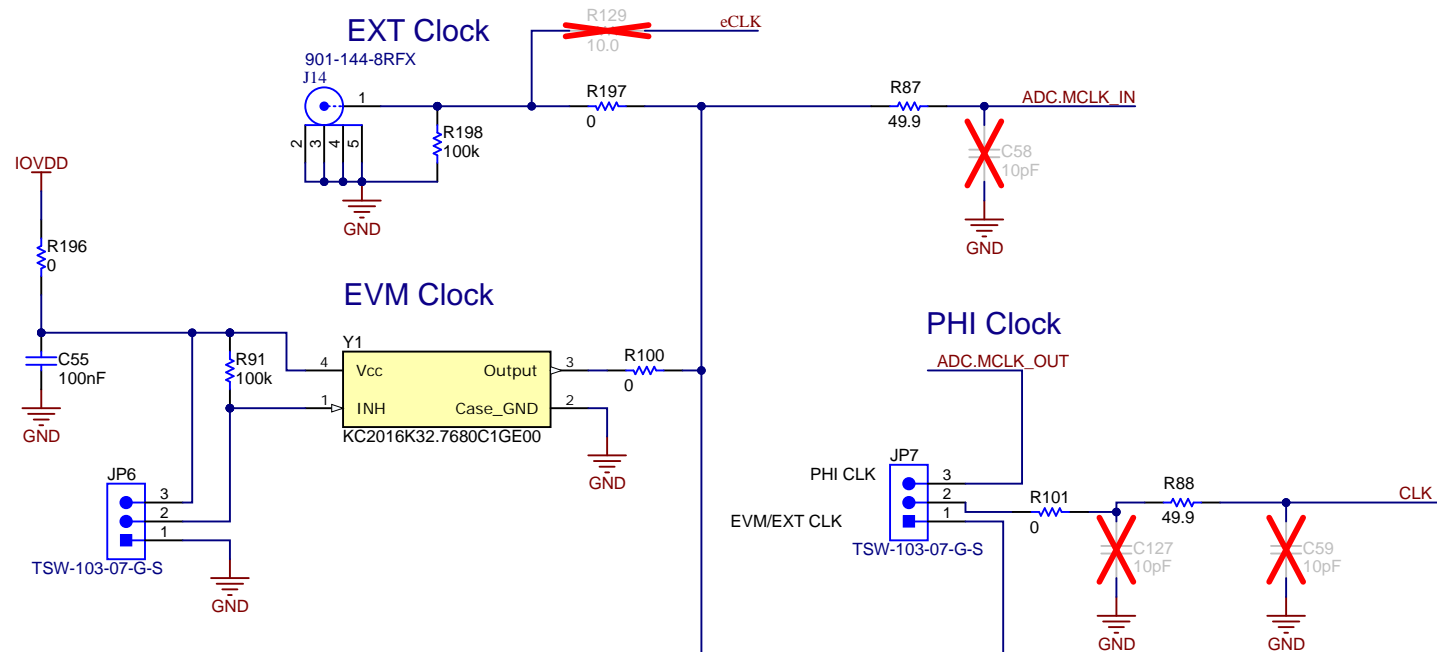
EVM/External Power



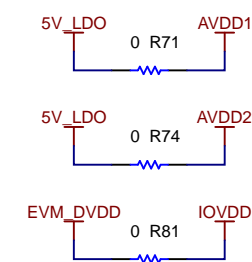
5.2V Analog LDO



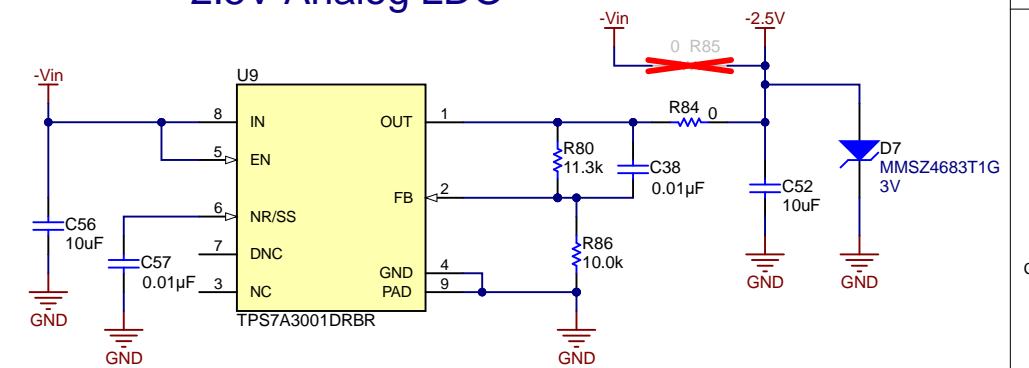
Clock Tree



EVM/PHI Power



-2.5V Analog LDO



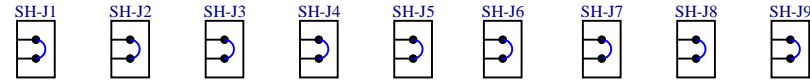
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Orderable: N/A	Designed for: Public Release	Mod. Date: 10/27/2023
TID #: TIDA-010945	Project Title: Precision signal chain for digital multimeters	
Number: TIDA-010945	Rev: E1	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: 002	Sheet: 3 of 4
Drawn By:	File: AMPS220E1_Power_Clock.SchDoc	Size: B
Engineer: Luis Chioye	Contact: http://www.ti.com/support	



H4 SJ-5303 (CLEAR)
 H5 SJ-5303 (CLEAR)
 H2 RM3X4MM 2701
 H3 RM3X4MM 2701
 H1 **MECH**
 102-1092-BL-00100
 102-1092-BL-00100

H6 SJ-5303 (CLEAR)
 H7 SJ-5303 (CLEAR)
 H8 9774050360R
 H9 9774050360R
 H10 **MECH**
 PA007
 PHI-EVM Controller Kitting item Edge# 6591636



PCB Number:
PCB Rev:

Logo3
PCB
LOGO
Texas Instruments



PCB
LOGO
WEEE logo

Logo4
PCB
LOGO
FCC disclaimer

LBL1
PCB Label
THT-14-423-10

Variant/Label Table	
Variant	Label Text
001	Precision signal chain for digital multimeters

ZZ1
Label Assembly Note
This Assembly Note is for PCB labels only

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.

Orderable: N/A	Designed for: Public Release	Mod. Date: 10/30/2023
TID #: TIDA-010945	Project Title: Precision signal chain for digital multimeters	
Number: TIDA-010945 Rev: E1	Sheet Title: Hardware	
SVN Rev: Not in version control	Assembly Variant: 002	Sheet: 4 of 4
Drawn By: Keith Nicholas	File: AMPS220E1_Hardware.SchDoc	Size: B
Engineer: Luis Chioye	Contact: http://www.ti.com/support	

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