


ANALOG DEVICES LT3471 Precision High Voltage High Differential Voltage Measurement Performance-Size Optimized Instructions

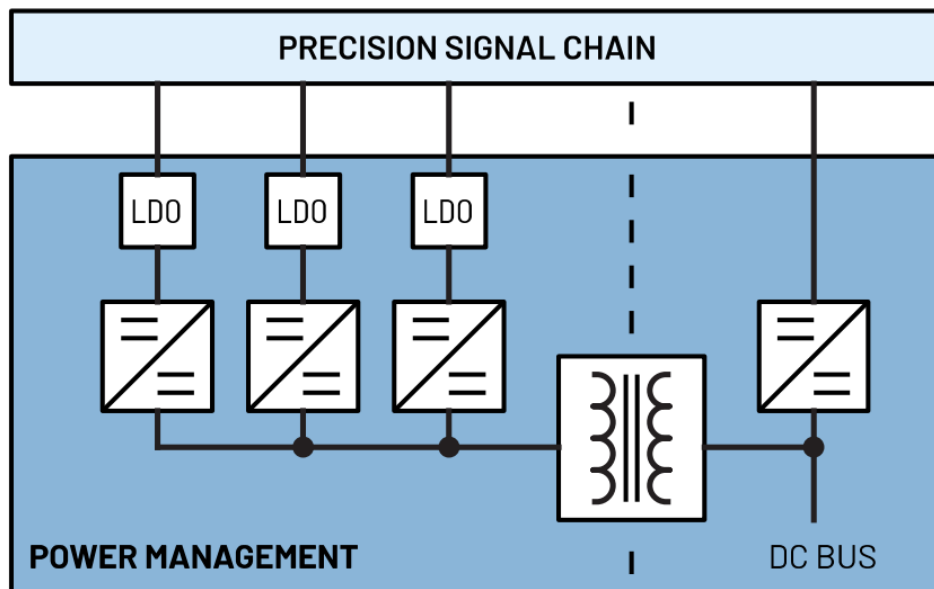
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This document is interactive. You can click on any underlined text to navigate through the document.

For the resources:

APPENDIX	Parts Guide
	Power Requirements



Left-click the Parts Guide and Power Requirements to go through the list of power devices and other references.



The Power Components are listed on the Appendix, and you may click on the part to go through its product page online.

PART #	DESCRIPTION
LT3471	Dual 1.3A, 1.2MHz Boost/Inverter in 3mm × 3mm DFN
LT8604	High Efficiency 42V/120mA Synchronous Buck
LT8570-1	Boost/SEPIC/Inverting DC/DC Converter with 65V Switch, Soft-Start and Sync.

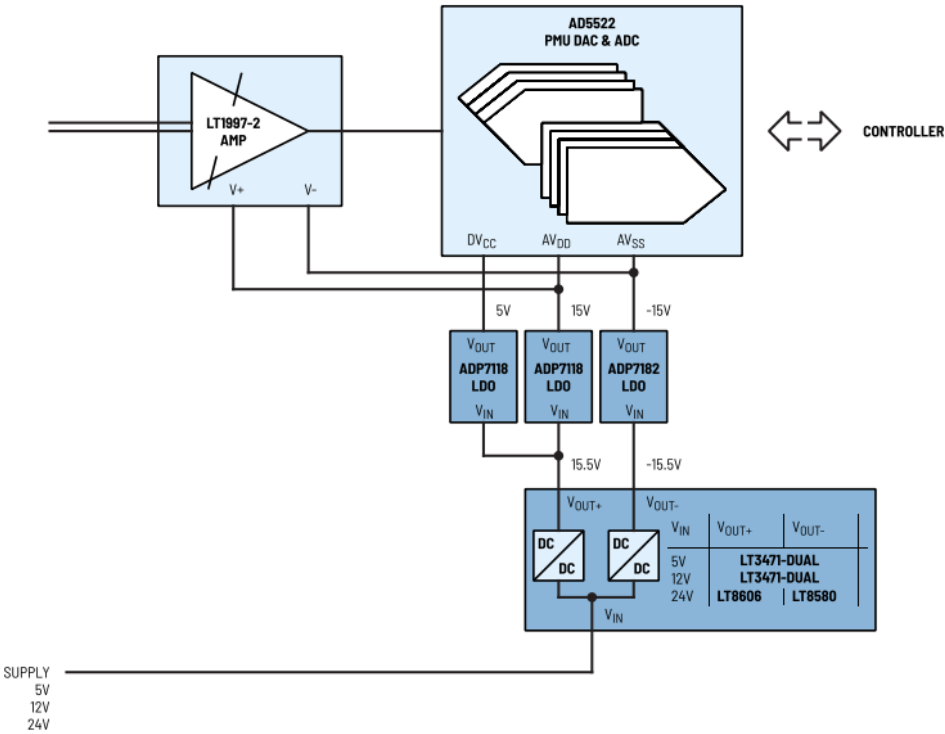
For the individual pages:

Left-click the specific signal chain to go through its respective block diagram or power tree.

Non-isolated	<div>POWER RE</div> <div>PARAMETER</div> <div>Supply Voltage</div> <div>Supply Current</div> <div>PSRR</div>
1-Channel	

APPENDIX	Parts Guide	USER GUIDE	High Differential Voltage Measurement
	Power Requirements		Performance/Size Optimized

Non-isolated
Multichannel



APPENDIX

PART #	DESCRIPTION
LT3471	Dual 1.3A, 1.2MHz Boost/Inverter in 3mm x3mm DFN
LT8580	Boost/SEPIC/Inverting DC/DC Converter with 1A, 65V Switch, Soft-Start and Synchronization
LT8606	42V, 350mA Synchronous Step-Down Regulator with 2.5µA Quiescent Current
ADP7118	20V, 200mA, Low Noise, CMOS LDO Linear Regulator
ADP7182	–28V, –200mA, Low Noise, Linear Regulator

POWER REQUIREMENTS

PARAMETER	STAGES	PMU DAC & ADC			Amplifier	
	Part #	AD5522			LT1997-2	
	Pin	AV _{DD}	AV _{SS}	DV _{CC}	V+	V-
Supply Voltage	V	15	-15	5	15	-15
Supply Current	mA	36	-36	1.5	0.6	-0.6
PSRR	dB	45 (100kHz)	50 (100kHz)	80 (100kHz)	50 (100kHz)	30 (100kHz)

NOTES

- Note 1:**

The supply currents indicated are the maximum quiescent current of the supply rails. For overall full load or short circuit current specifications, refer to the datasheets of the signal chain components.

- Note 2:**

The supply voltages indicated are the values for typical applications.

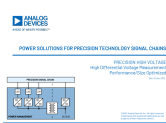
- Note 3:**

Consult the corresponding datasheets for details on power dissipation if needed.

- Note 4:**

The actual supply current requirement shall be multiplied depending on the number of channels on the signal chain.

Documents / Resources

	<p>ANALOG DEVICES LT3471 Precision High Voltage High Differential Voltage Measurement Performance-Size Optimized [pdf] Instructions</p> <p>LT3471 Precision High Voltage High Differential Voltage Measurement Performance-Size Optimized, LT3471, Precision High Voltage High Differential Voltage Measurement Performance-Size Optimized</p>
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References

- [!\[\]\(83eb2aa26b610eb6a9dca7cf4702d681_img.jpg\) **Mixed-signal and digital signal processing ICs | Analog Devices**](#)
- [!\[\]\(94dfacbf937cdd7da4837a6fcd8fc785_img.jpg\) **ADP7118 Datasheet and Product Info | Analog Devices**](#)
- [!\[\]\(dae8c3c5fa7c80febd6526a5e8a853bf_img.jpg\) **ADP7182 Datasheet and Product Info | Analog Devices**](#)
- [!\[\]\(8f38ab9775d1331a4e1fd6648d0a83f1_img.jpg\) **AD5522 Datasheet and Product Info | Analog Devices**](#)
- [!\[\]\(5e48b3241d711ef916255d822ab3415f_img.jpg\) **LT1997-2 Datasheet and Product Info | Analog Devices**](#)
- [!\[\]\(c4c3604751fde0df44855086d7798e30_img.jpg\) **LT3471 Datasheet and Product Info | Analog Devices**](#)
- [!\[\]\(a16ee0329f478adb49fd7876490e96fe_img.jpg\) **LT8580 Datasheet and Product Info | Analog Devices**](#)
- [!\[\]\(a8a494e883c31c6f4a74584cc935a790_img.jpg\) **LT8606LT8606B Datasheet and Product Info | Analog Devices**](#)

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