


# ANALOG DEVICES LT8304-1 Precision High Voltage High Common-Mode Current Measurement Highest Initial Accuracy User Guide

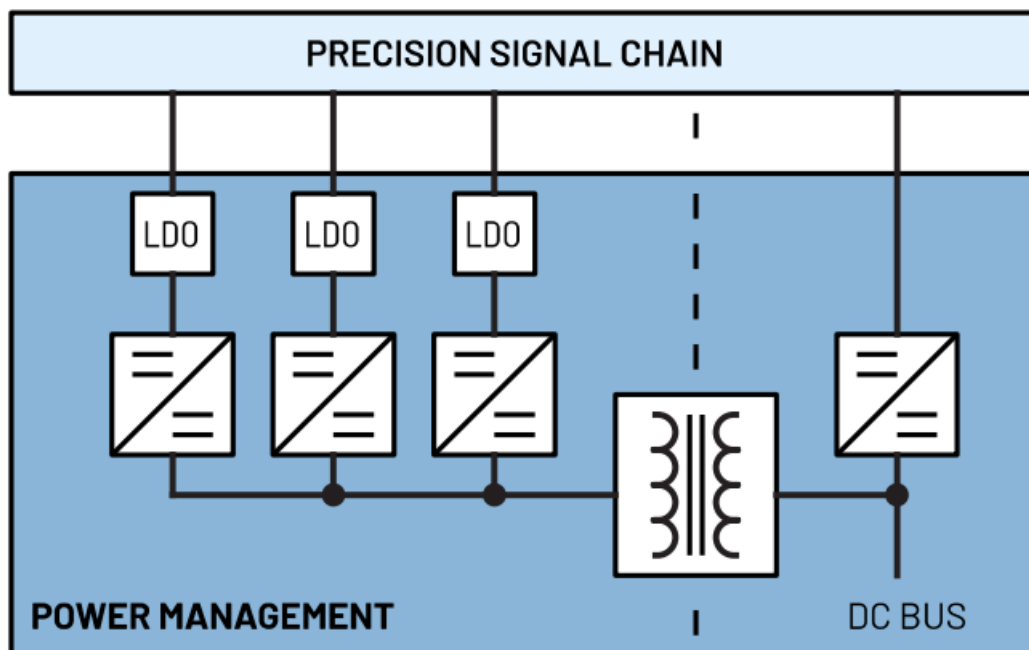
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**ANALOG DEVICES LT8304-1 Precision High Voltage High Common-Mode Current Measurement Highest Initial Accuracy**



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

## Power Solutions for Precision Technology Signal Chains

For the resources

APPENDIX	<a href="#">Parts Guide</a>
	<a href="#">Power Requirements</a>

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

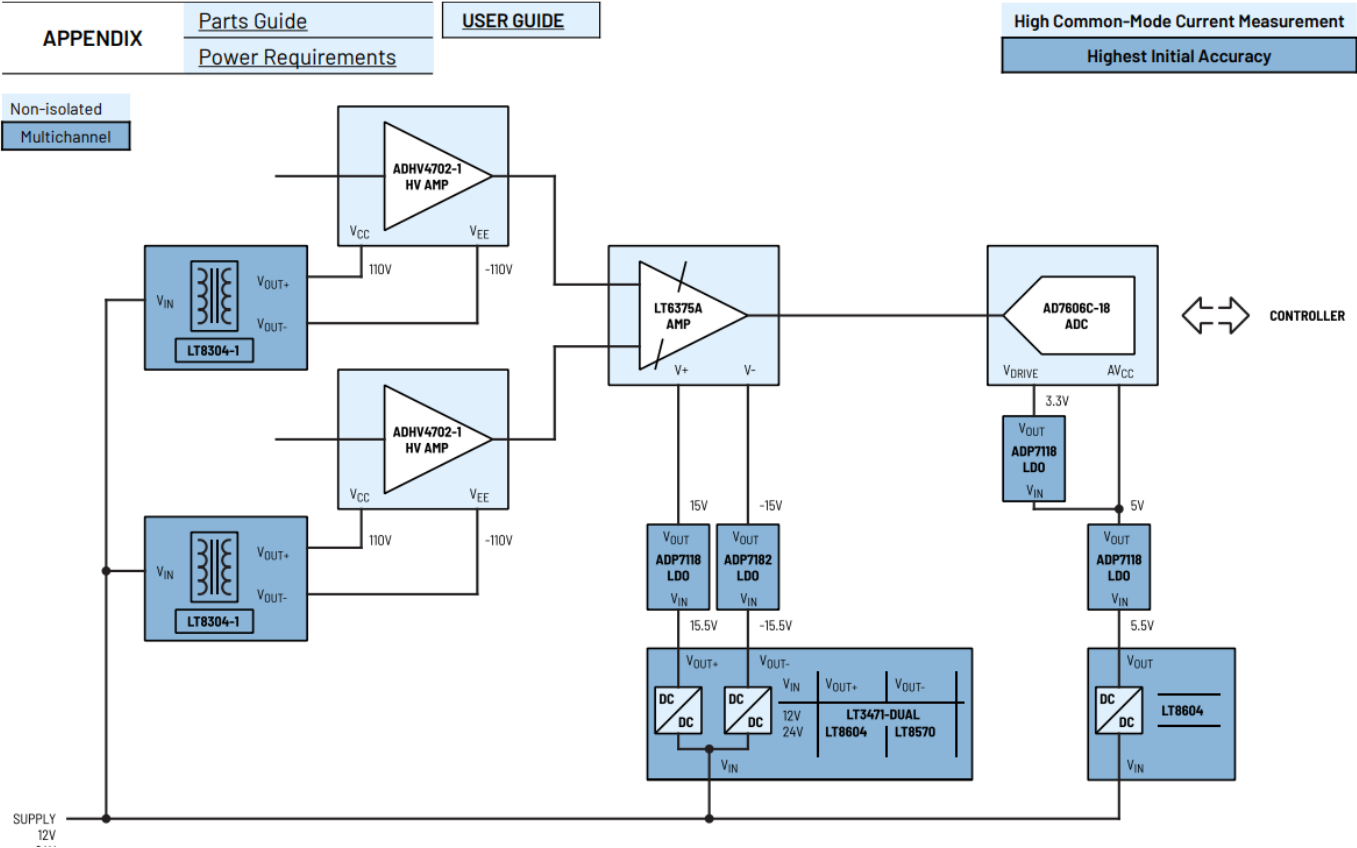
The Power Components are listed on the Appendix, and you may click on the part to go through its product page online.

PART #	DESCRIPTION
<a href="#">LT3471</a>	Dual 1.3A, 1.2MHz Boost/Inverter in 3mm × 3mm DFN
<a href="#">LT8604</a>	High Efficiency 42V/120mA Synchronous Buck
<a href="#">LT8570-1</a>	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	
1-Channel	
POWER RE	
PARAMETER	
Supply Voltage	
Supply Current	
PSRR	



Non-isolated

Multichannel

PART # DESCRIPTION

- **LT8304 1** 100VIN Micropower No Opto Isolated Flyback Converter with 150V/2A Switch
- **LT3471** Dual 1.3A, 1.2MHz Boost/Inverter in 3mm × 3mm DFN
- **LT8570** Boost/SEPIC/Inverting DC/DC Converter with 65V Switch, Soft Start and Sync.
- **LT8604** High Efficiency 42V/120mA Synchronous Buck


- **ADP7118** 20V, 200mA, Low Noise, CMOS LDO Linear Regulator
- **ADP7182** – 28V, –200mA, Low Noise, Linear Regulator

## POWER REQUIREMENTS

PARAMETER	STAGES	PMU DAC & ADC		High-Voltage Amplifier		Difference Amplifier	
	Part #	AD7606C-18		ADHV4702-1		LT6375A	
	Pin	V <sub>DRIVE</sub>	AV <sub>CC</sub>	V <sub>CC</sub>	V <sub>EE</sub>	V+	V-
Supply Voltage	V	3.3	5	110	-110	15	-15
Supply Current	mA	1.9	50	3.3	-3.3	0.6	-0.6
PSRR	dB	-	60	35 (100kHz)	83 (100kHz)	30 (100kHz)	15 (100kHz)

- 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><b><a href="#">ANALOG DEVICES LT8304-1 Precision High Voltage High Common-Mode Current Measurement Highest Initial Accuracy</a></b> [pdf] User Guide</p> <p>LT8304-1 Precision High Voltage High Common-Mode Current Measurement Highest Initial Accuracy, LT8304-1, Precision High Voltage High Common-Mode Current Measurement Highest Initial Accuracy, Common-Mode Current Measurement Highest Initial Accuracy, Measurement Highest Initial Accuracy, Highest Initial Accuracy, Initial Accuracy, Accuracy</p>
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## References

- [Mixed-signal and digital signal processing ICs | Analog Devices](#)
- [ADP7118 Datasheet and Product Info | Analog Devices](#)
- [ADP7182 Datasheet and Product Info | Analog Devices](#)
- [AD7606C-18 Datasheet and Product Info | Analog Devices](#)
- [ADHV4702-1 Datasheet and Product Info | Analog Devices](#)
- [LT3471 Datasheet and Product Info | Analog Devices](#)
- [LT6375 Datasheet and Product Info | Analog Devices](#)
- [LT8304 LT8304-1 Datasheet and Product Info | Analog Devices](#)
- [LT8570 Datasheet and Product Info | Analog Devices](#)
- [LT8604/LT8604C Datasheet and Product Info | Analog Devices](#)