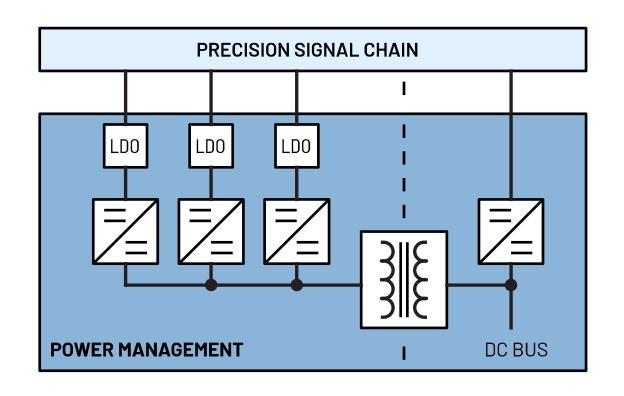


POWER SOLUTIONS FOR PRECISION TECHNOLOGY SIGNAL CHAINS

PRECISION HIGH VOLTAGE High Common-Mode Current Measurement Highest Accuracy after Calibration

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

For the resources:

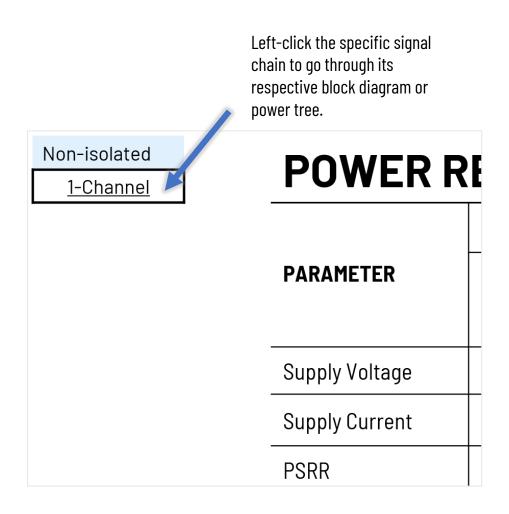
APPENDIX Power Requirements

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:





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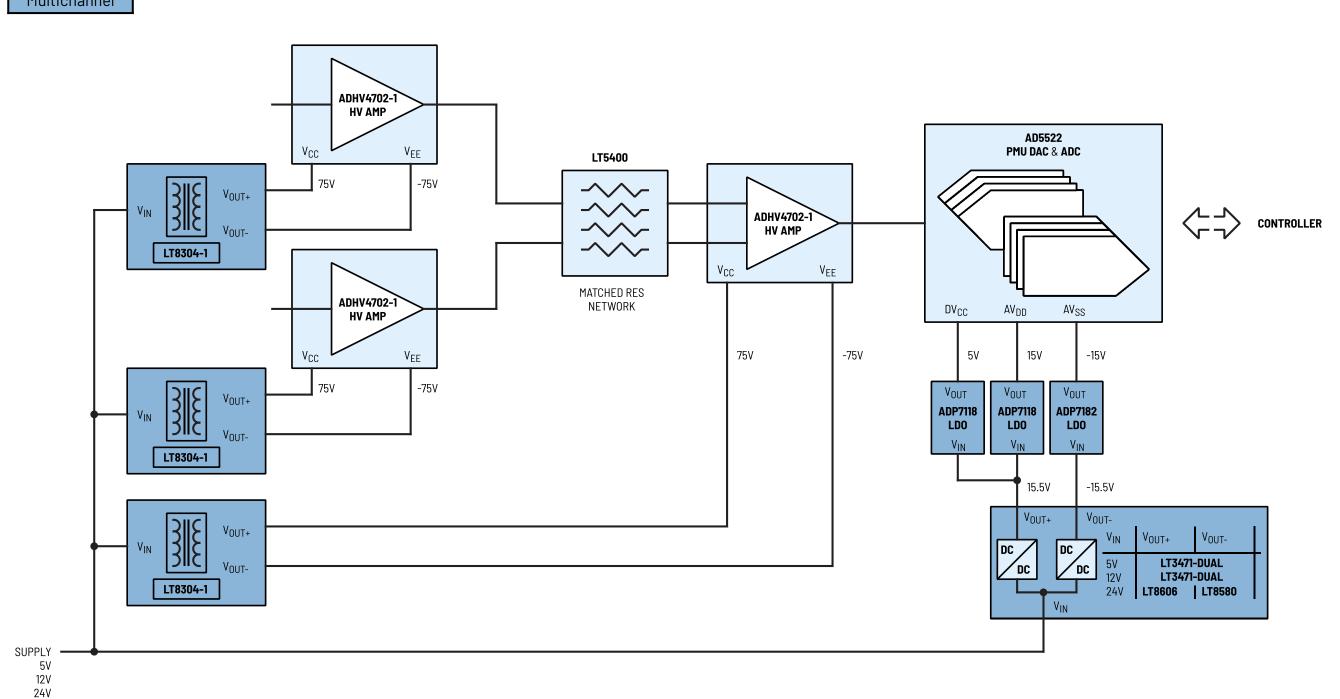
APPENDIX

Power Requirements

USER GUIDE

Non-isolated

Multichannel



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Non-isolated

<u>Multichannel</u>

PART#	DESCRIPTION					
LT8304-1	100VIN Micropower No-Opto Isolated Flyback Converter with 150V/2A Switch					
<u>LT3471</u>	Dual 1.3A, 1.2MHz Boost/Inverter in 3mm ×3mm DFN					
<u>LT8580</u>	Boost/SEPIC/Inverting DC/DC Converter with 1A, 65V Switch, Soft-Start and Sync.					
LT8606	42V, 350mA Synchronous Step-Down Regulator with 2.5μA Quiescent Current					
<u>ADP7118</u>	20V, 200mA, Low Noise, CMOS LDO Linear Regulator					
ADP7182	–28V, –200mA, Low Noise, Linear Regulator					

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POWER REQUIREMENTS

	STAGES	PMU DAC & ADC			High-Voltage Amplifier	
PARAMETER	Part #	AD5522			ADHV4702-1	
	Pin	AV _{DD}	AV _{SS}	DV _{CC}	V _{cc}	V _{EE}
Supply Voltage	V	15	-15	5	75	-75
Supply Current	mA	36	-36	1.5	3.3	-3.3
PSRR	dB	45 (100kHz)	50 (100kHz)	80 (100kHz)	35 (100kHz)	83 (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.