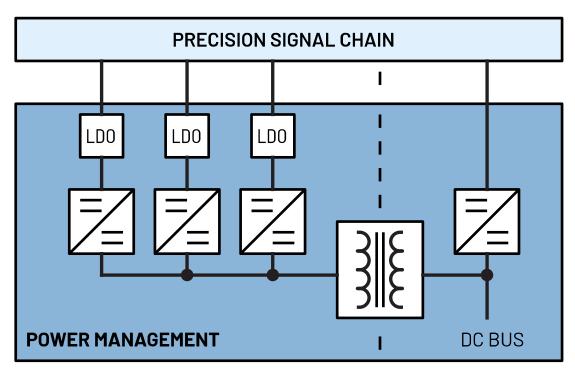


POWER SOLUTIONS FOR PRECISION TECHNOLOGY SIGNAL CHAINS

PRECISION NARROW BANDWIDTH Fully Integrated Voltage and Current Measurement Small, Low Power, Sensor Ready

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

For the resources:

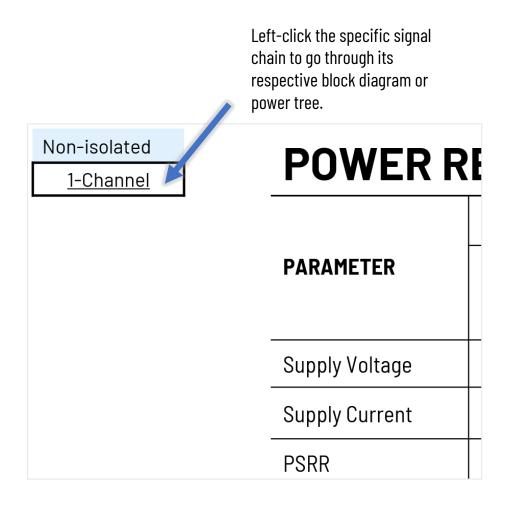
APPENDIX Power Requirements

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				
<u>LT3471</u> Dual 1.3A, 1.2MHz Boost/Inverter in 3mm × 3mm DFN		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:





Precision Narrow Bandwidth

Fully Integrated Voltage and Current Measurement

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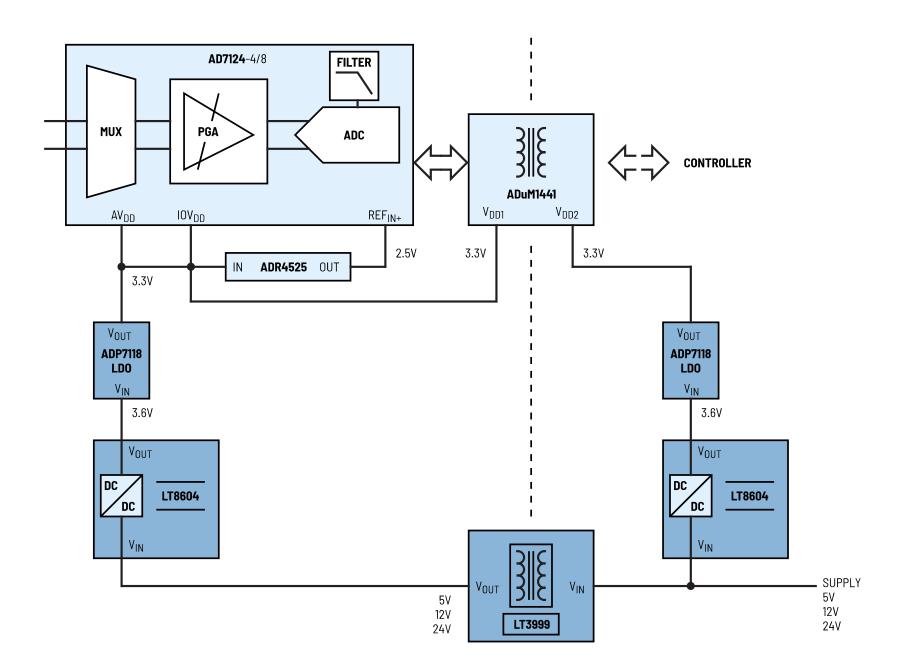
APPENDIX Parts Guide

<u>Power Requirements</u>

USER GUIDE

Isolated

Multichannel



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Isolated

<u>Multichannel</u>

PART #	DESCRIPTION				
<u>LT8604</u>	High Efficiency 42V/120mA Synchronous Buck				
<u>LT3999</u>	Low Noise, 1A, 1MHz Push-Pull DC/DC Driver with Duty Cycle Control				
ADP7118	20V, 200mA, Low Noise, CMOS LDO Linear Regulator				

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POWER REQUIREMENTS

	ADC		Reference	Isolation	
PARAMETER	AD7124- <u>4</u> / <u>8</u>		<u>ADR4525</u>	<u>ADuM1441</u>	
	AV _{DD}	IOV _{DD}	IN	V _{DD1}	V _{DD2}
Supply Voltage (V)	3.3	3.3	3.3	3.3	3.3
Supply Current (mA)	1.2	0.08	10	0.9	0.9
PSRR	-	-	50 (10kHz)		-

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.