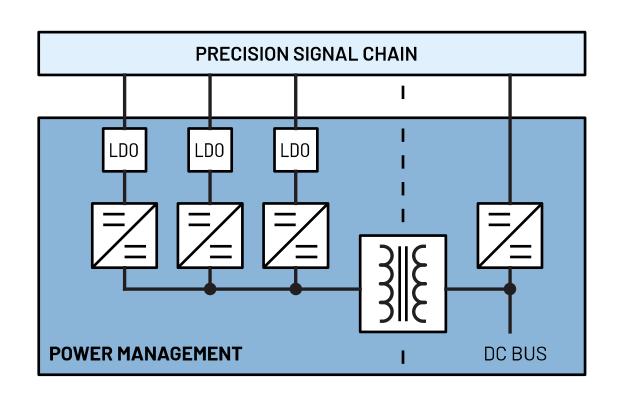


POWER SOLUTIONS FOR PRECISION TECHNOLOGY SIGNAL CHAINS

PRECISION MEDIUM BANDWIDTH AMR-Based Rotation Sensing

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

For the resources:

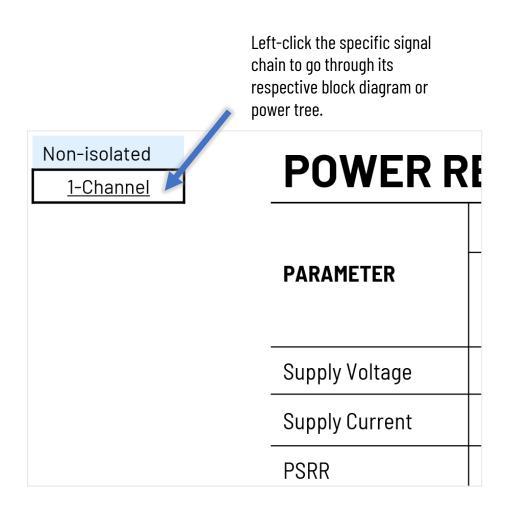
APPENDIX Power Requirements

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 D		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 Medium Bandwidth

APPENDIX

Parts Guide

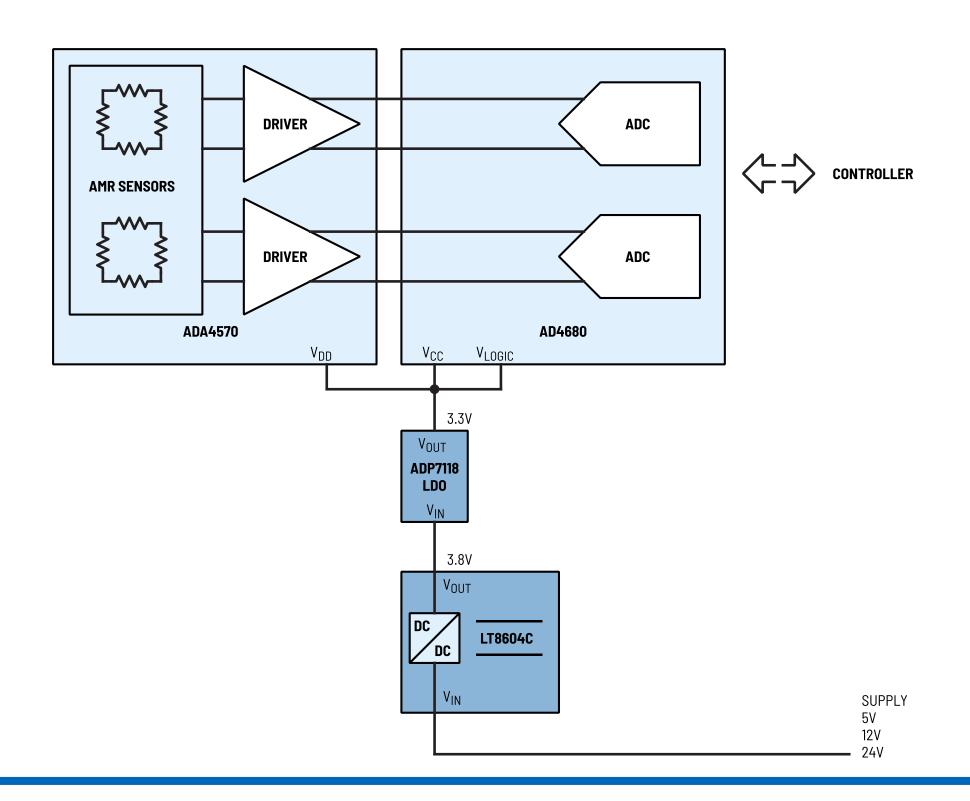
Power Requirements

USER GUIDE

AMR-Based Rotation Sensing

Non-Isolated

Multichannel



Precision Medium Bandwidth

AMR-Based Rotation Sensing

Non-Isolated			
<u>Multichannel</u>			

PART #	DESCRIPTION		
LT8604C	High Efficiency 42V/120mA Synchronous Buck		
<u>ADP7118</u>	20V, 200mA, Low Noise, CMOS LDO Linear Regulator		

Precision Medium Bandwidth

AMR-Based Rotation Sensing

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POWER REQUIREMENTS

	STAGES	AMR Sensor ADC Driver	ADC Ref Buffer Ref	
PARAMETER	Part #	<u>ADA4570</u>	<u>AD4680</u>	
	Pin	V _{DD}	V _{CC}	V _{LOGIC}
Supply Voltage	V	3.3	3.3	3.3
Supply Current	mA	6.3	8.4	0.95
PSRR	dB	80	75 (1MHz)	

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: (1) power supply rejection ratio (PSRR) and (2) power dissipation.

Note 4: The actual supply current requirement shall be multiplied depending on the number of channels on the signal chain.