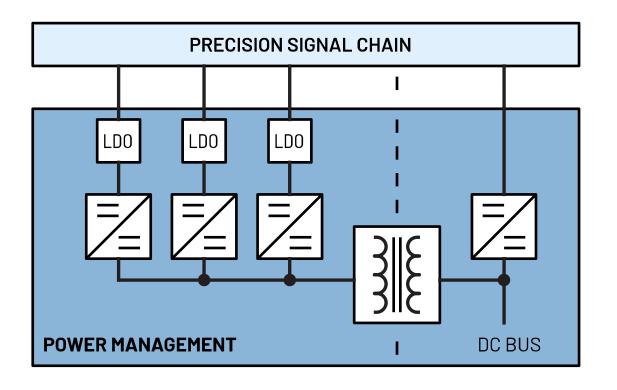


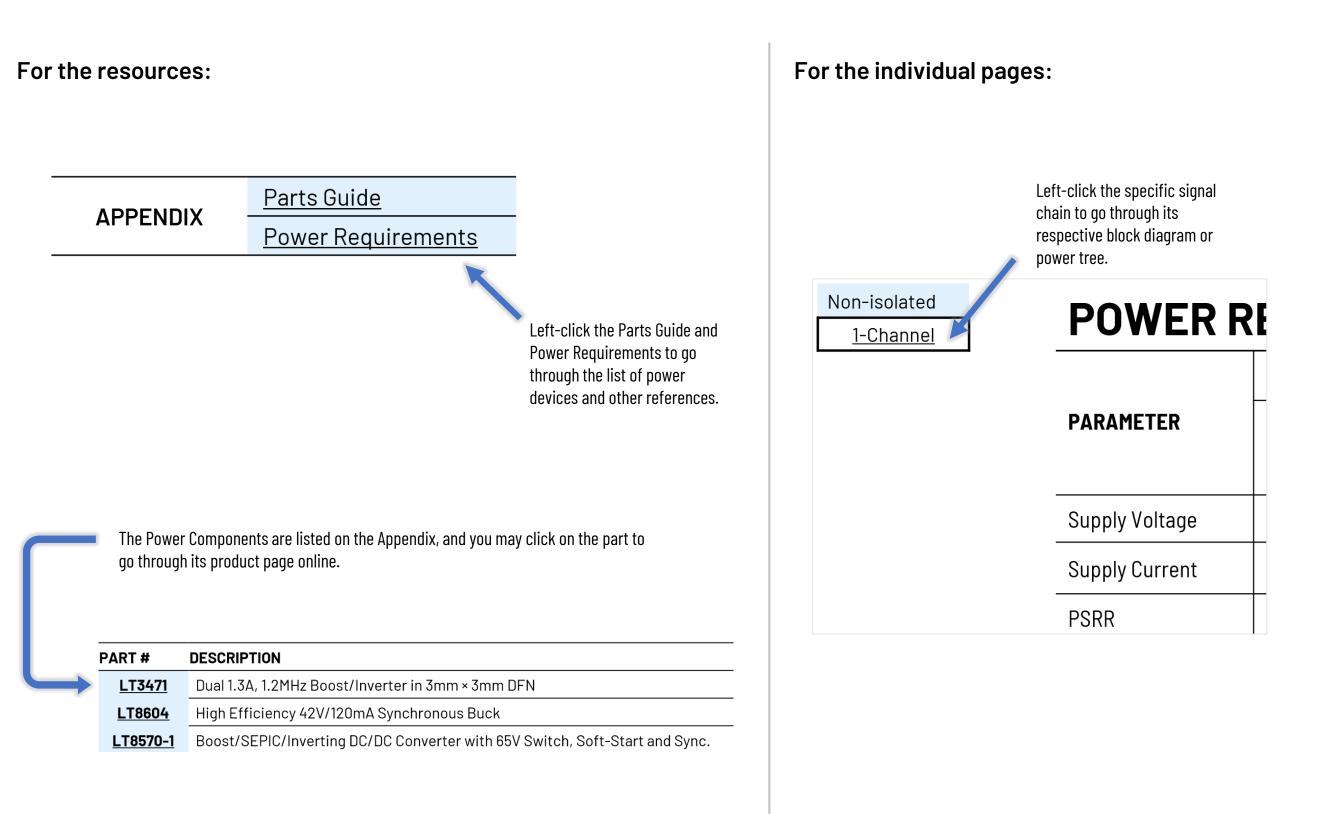
POWER SOLUTIONS FOR PRECISION TECHNOLOGY SIGNAL CHAINS

PRECISION CURRENT SENSING Current Measurement – Grid Monitoring Precision DC Measurement

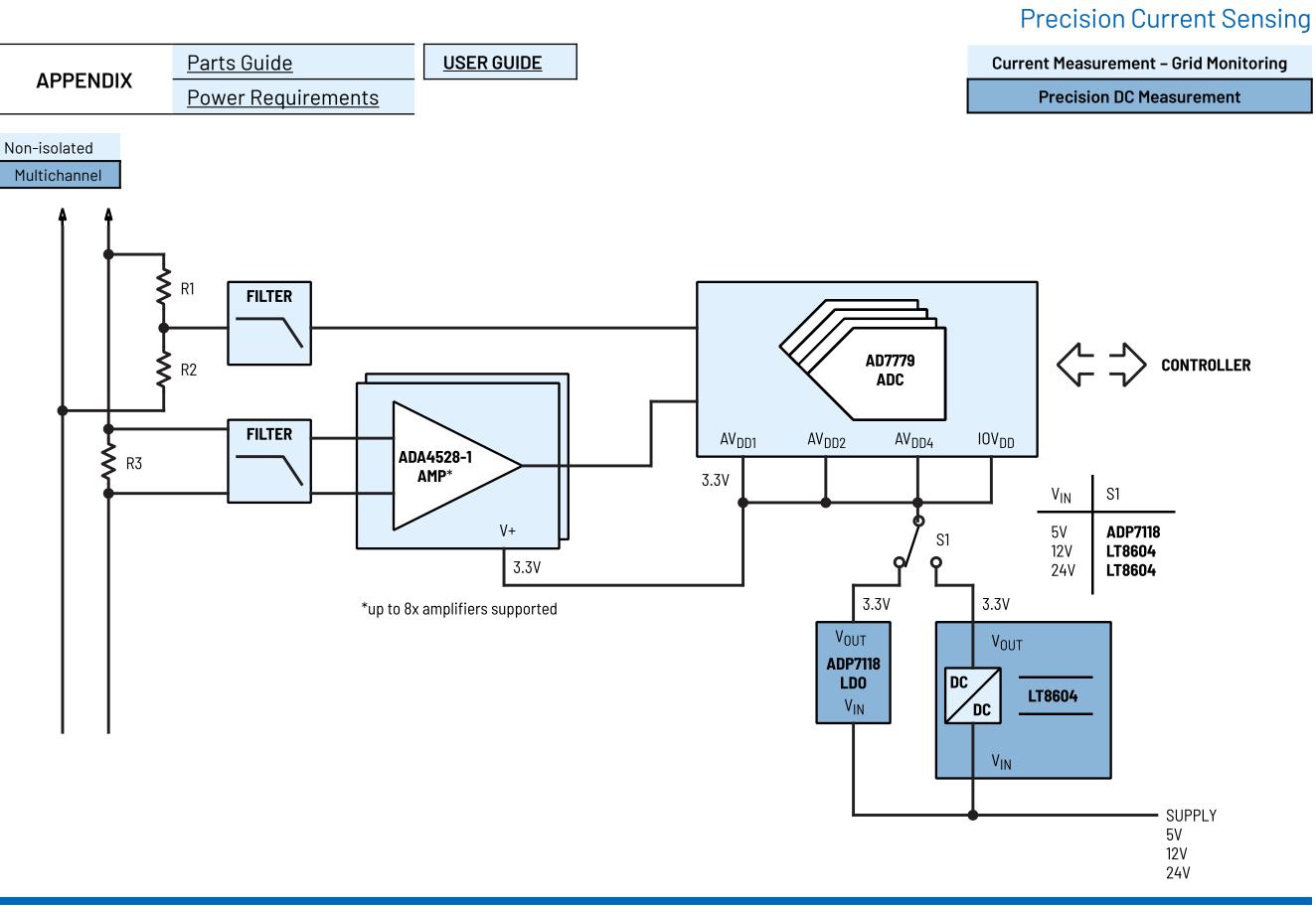
Rev. 0 | Aug. 2022



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Precision Current Sensing

Current Measurement – Grid Monitoring

Precision DC Measurement

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Non-isolated
<u>Multichannel</u>
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PART #	DESCRIPTION
<u>ADP7118</u>	20 V, 200 mA, Low Noise, CMOS LDO Linear Regulator
LT8604	High Efficiency 42V/120mA Synchronous Buck

Precision Current Sensing

Current Measurement – Grid Monitoring

Precision DC Measurement

Non-isolated Multichannel

	STAGES	Filter	Amplifier		ADC			
PARAMETER	Part #	-	<u>ADA4528-1</u>		AD7779			
_	Pin		V+	V-	AV _{DD1}	AV _{DD2}	AV _{DD4}	IOV _{DD}
Supply Voltage	V	-	5 or 3.3	_	3.3	3.3	3.3	3.3
Supply Current	mA	-	2.2	-	25.5	9.45	2	10.7
PSRR	dB	-	20 (650kHz)	-	125 (1MHz; G=8)			

POWER REQUIREMENTS

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.