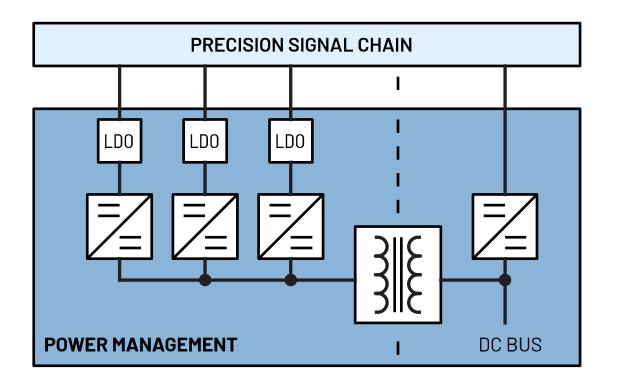


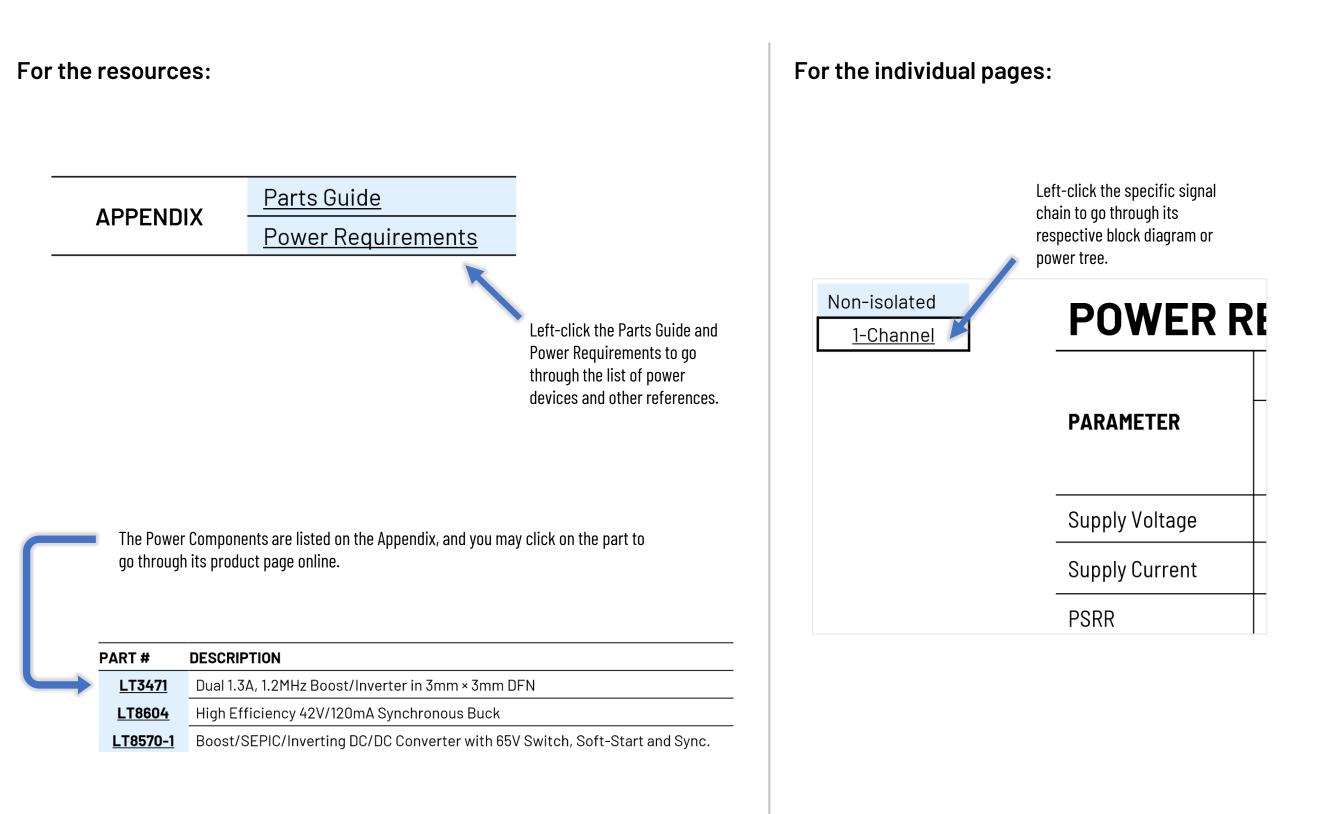
POWER SOLUTIONS FOR PRECISION TECHNOLOGY SIGNAL CHAINS

PRECISION WIDE BANDWIDTH Light Measurement Optimized for Noise

Rev. 0 | Jan. 2022

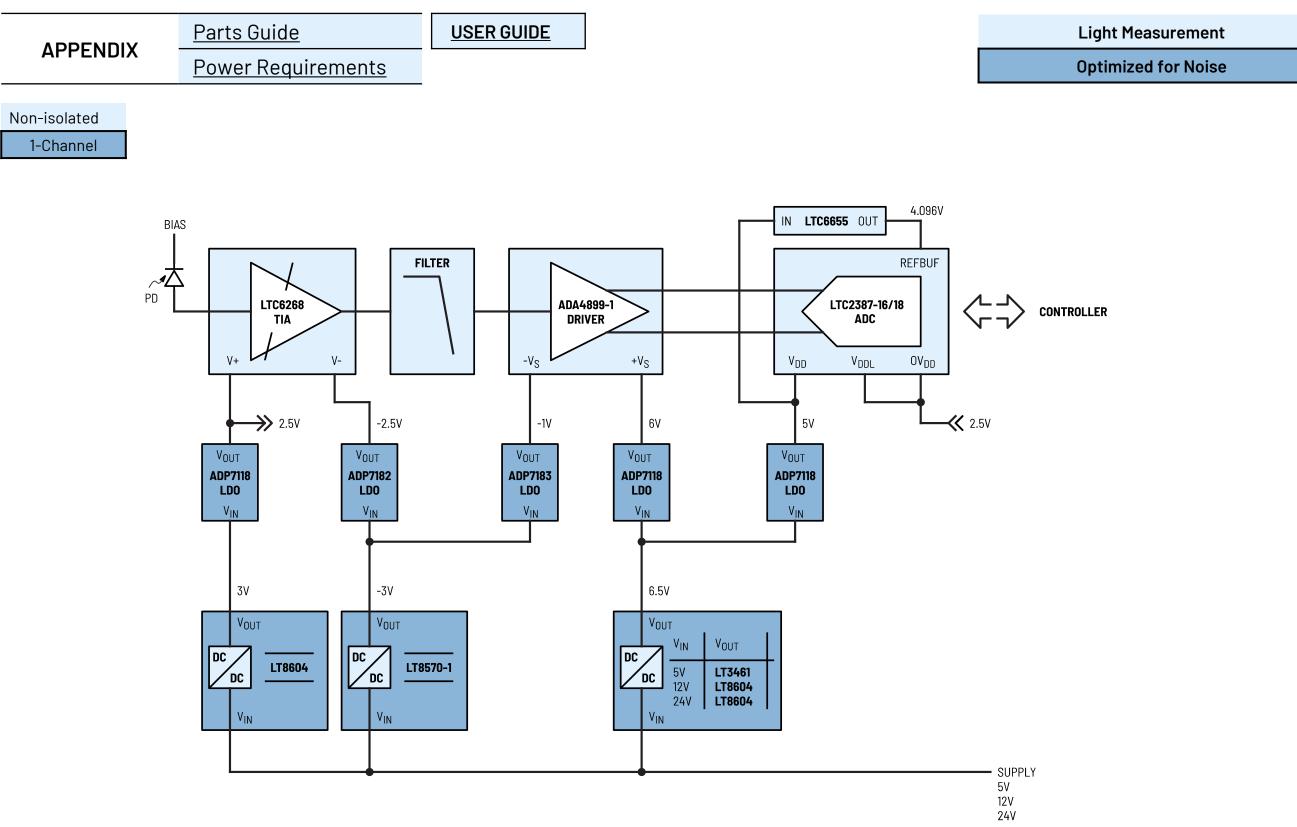


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Precision Wide Bandwidth



Precision Wide Bandwidth

Light Measurement

Optimized for Noise

Non-isolated <u>1-Channel</u>	PART # DESCRIPTION						
<u>r onanner</u>	<u>LT8604</u>	High Efficiency 42V/120mA Synchronous Buck					
	<u>LT8570-1</u>	Boost/SEPIC/Inverting DC/DC Converter with 65V Switch, Soft-Start and Sync.					
	<u>LT3461</u>	1.3MHz Step-Up DC/DC Converters with Integrated Schottky in ThinSOT					
	<u>ADP7118</u>	20V, 200mA, Low Noise, CMOS LDO Linear Regulator					
	ADP7182	–28V, –200mA, Low Noise, Linear Regulator					
	<u>ADP7183</u>	-300 mA, Ultralow Noise, High PSRR, Low Dropout Linear Regulator					

Precision Wide Bandwidth

Light Measurement

Optimized for Noise

Non-isolated

1-Channel

POWER REQUIREMENTS

	STAGES	ТІА		Filter	ADC Dr	iver	ADC			Reference
PARAMETER	Part #	LTC6268		-	ADA489	<u>99-1</u>	LTC2387- <u>16</u> / <u>18</u>			LTC6655
	Pin	V+	V-		+V _S	-V _S	V _{DD}	V _{DDL}	OV _{DD}	IN
Supply Voltage	V	2.5	-2.5	-	6	-1	5	2.5	2.5	5
Supply Current	mA	23	23	-	16.2	-16.2	6	35	10.3	1.8
PSRR	dB	52 (1MHz)	63 (1MHz)	-	9	0	_		40 (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.