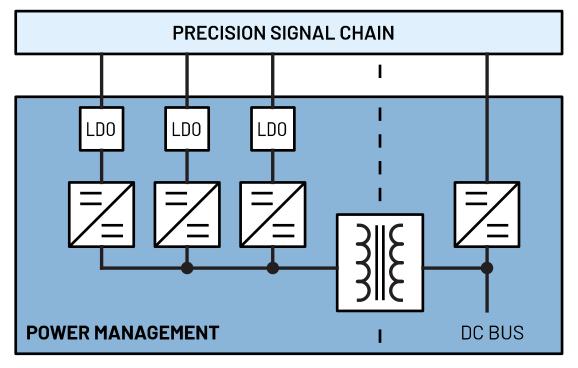


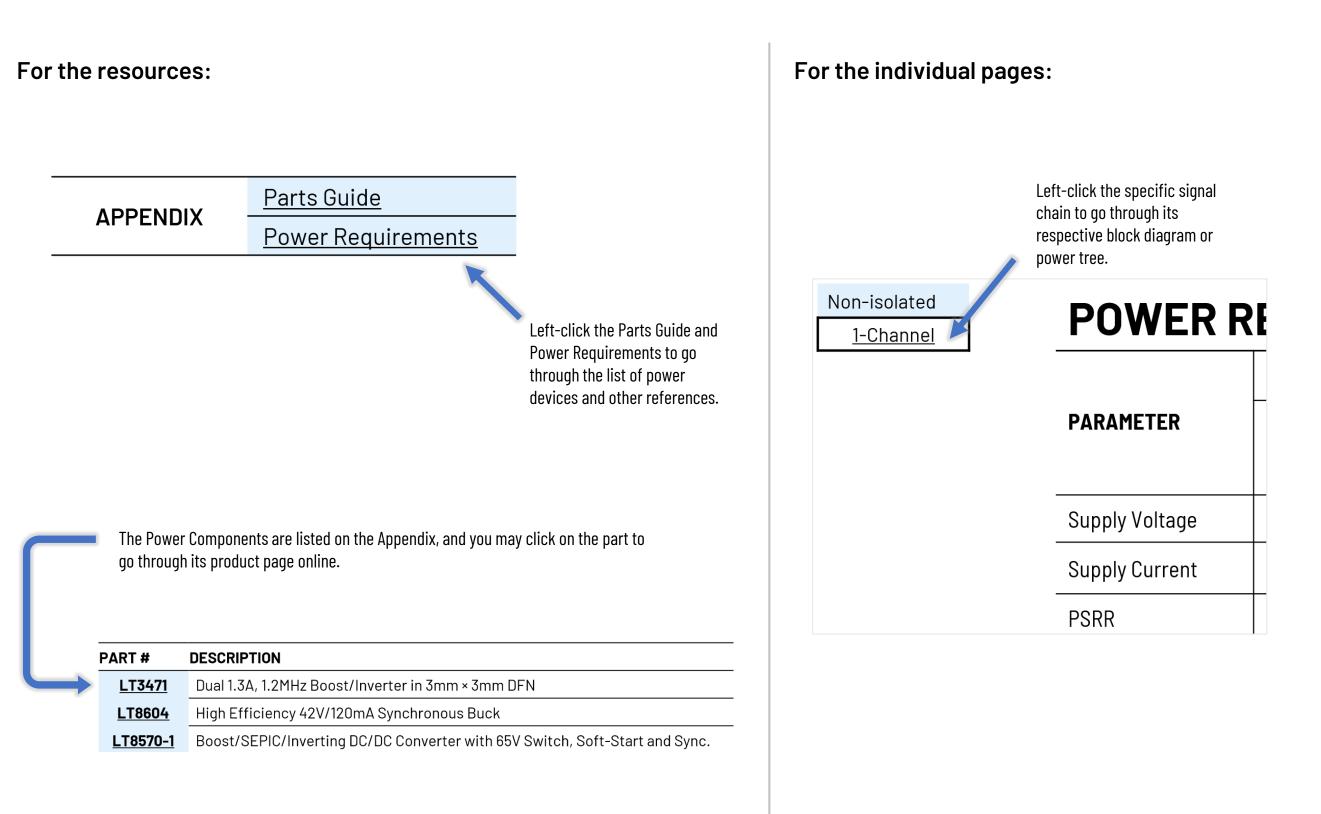
POWER SOLUTIONS FOR PRECISION TECHNOLOGY SIGNAL CHAINS

ISOLATED GATE DRIVE & SENSE Multichannel Monitoring for Power Conversion with Analog Isolation Low Propagation Delay

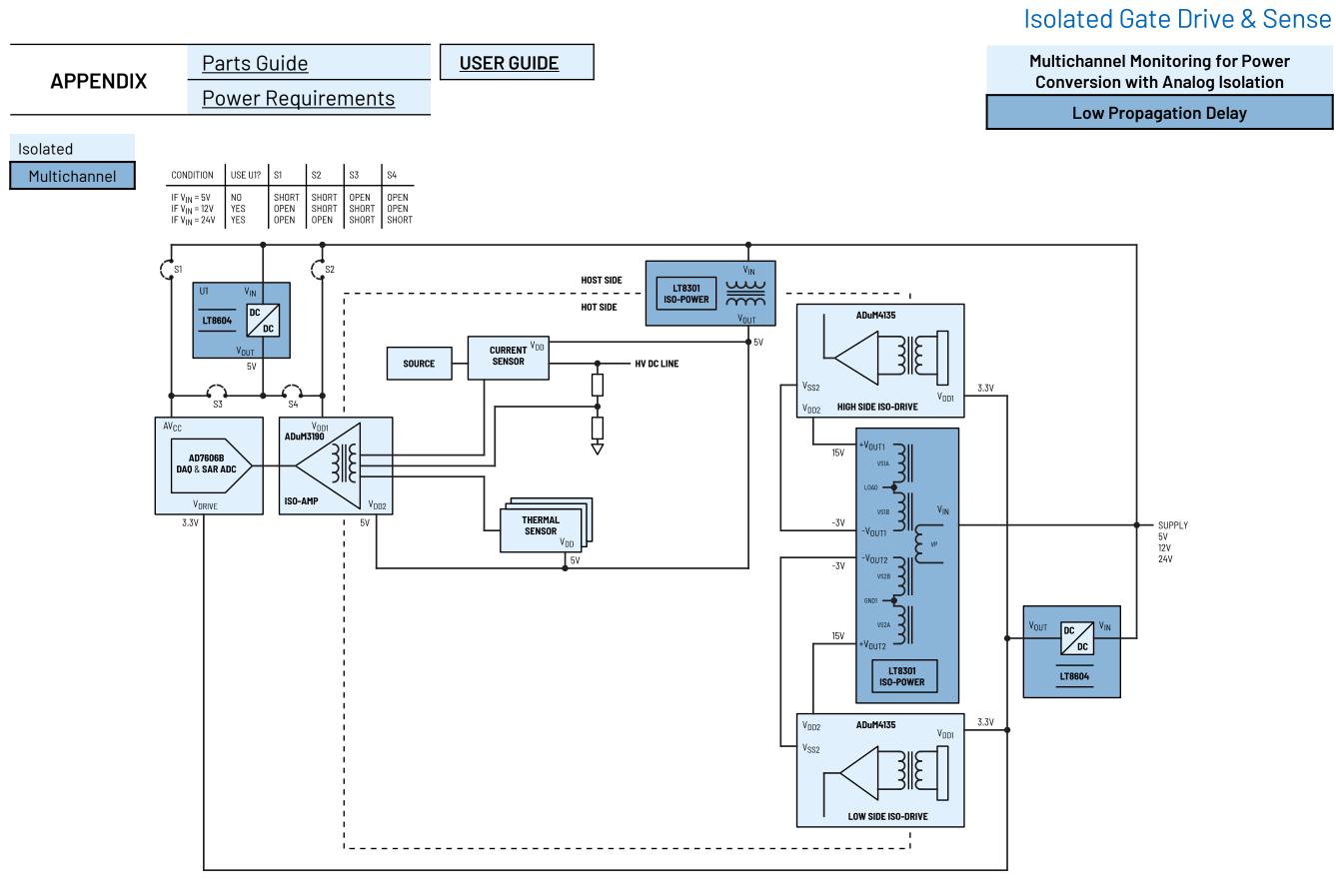
Rev. 0 | Jan. 2022



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Isolated Gate Drive & Sense

Multichannel Monitoring for Power Conversion with Analog Isolation

Low Propagation Delay

lsolated	PART #	DESCRIPTION						
Multichannel								
	<u>LT8604</u>	High Efficiency 42V/120mA Synchronous Buck						
	<u>LT8301</u>	42V _{IN} Micropower No-Opto Isolated Flyback Converter with 65V/1.2A Switch						

Isolated Gate Drive & Sense

Multichannel Monitoring for Power Conversion with Analog Isolation

Low Propagation Delay

Isolated

Multichannel

POWER REQUIREMENTS

	STAGES	Isolation ADuM3190		ADC AD7606B		Isolated Gate Driver ADuM4135		
PARAMETER	Part #							
	Pin	V _{DD1}	V _{DD2}	AV _{CC}	V _{DRIVE}	V _{DD1}	V _{DD2}	V _{SS2}
Supply Voltage	V	5 or 12	5	5	3.3	3.3	15	-3
Supply Current	mA	2	5	47.5	1.5	6.39	4.95	6.21
PSRR	dB	60		68 (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.