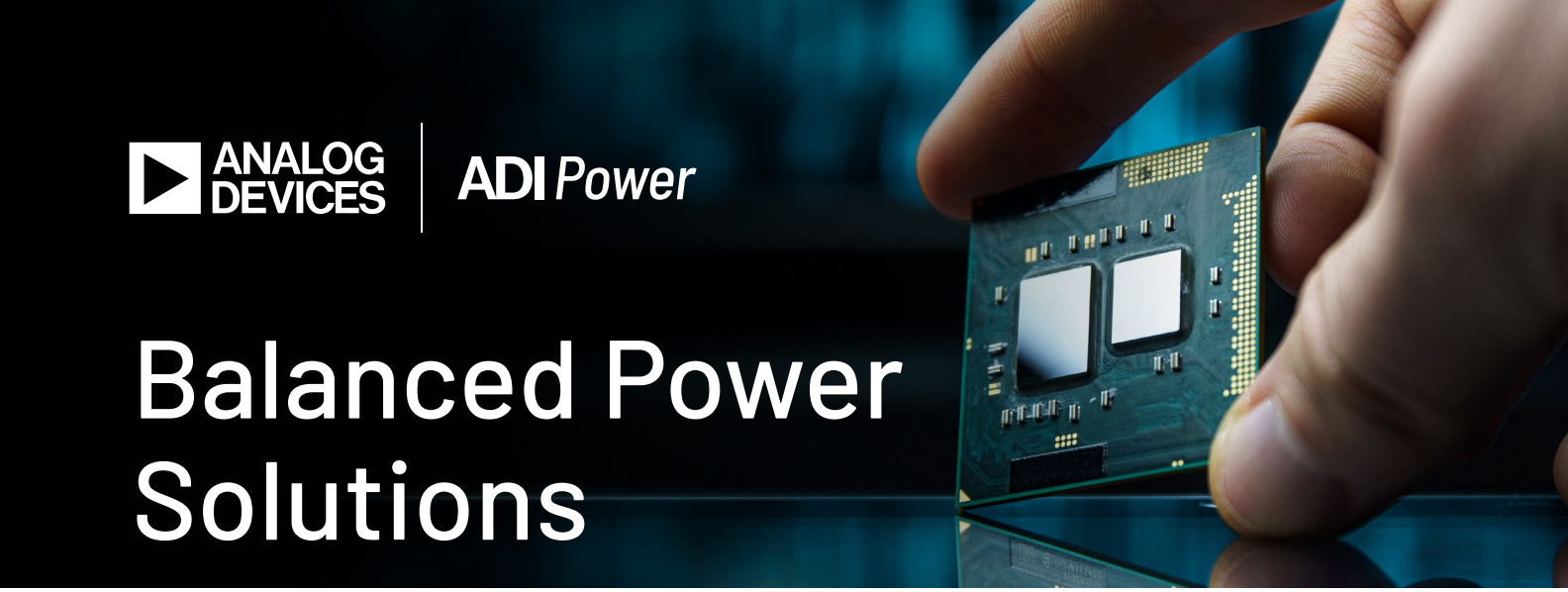

Balanced Power Solutions

Empowering Your Innovations with Our Balanced Power Solutions

Analog Devices' balanced solutions are designed to meet the diverse power needs of modern industries like automotive, communication, cloud infrastructure, industrial automation, and instrumentation. The balanced power solutions portfolio delivers optimized performance across a wide range of applications.

DC-DC Switching Regulators

Part Number	Ouputs	V_{IN} Min (V)	V_{IN} Max (V)	Output Current (A)	Monolithic	Topology	Package (mm)
ADPL12002	1	3	20	2.5	Yes	Buck	3 × 3, 15-lead FC2QFN
ADPL12003	1	3	20	3.5	Yes	Buck	3 × 3, 15-lead FC2QFN
ADPL12005	1	3	20	5	Yes	Buck	3.5 × 3.75, 17-lead FC2QFN
ADPL12006	1	3	20	6	Yes	Buck	3.5 × 3.75, 17-lead FC2QFN
ADPL12008	1	3	20	8	Yes	Buck	3.5 × 3.75, 17-lead FC2QFN
ADPL12010	1	3	20	10	Yes	Buck	3.5 × 3.75, 17-lead FC2QFN
ADPL13602	1	3.5	36	2.4	Yes	Buck	3 × 3 16-lead TDFN
ADPL16000	1	4.5	60	0.4	Yes	Buck	2 × 2, 8-lead TDFN
ADPL20502	1	0.6	5.5	2 (Switch Current Limit)	Yes	Boost	6-lead WLCSP 2 × 2, 8-lead TDFN
ADPL21504*	1	1.2	15	–	Yes	Boost	5-lead TSOT-23
ADPL21501*	1	1	15	–	Yes	Boost	5-lead TSOT-23
ADPL26001	1	3.2	36	–	Yes	Boost	6-lead TSOT-23 & 3 × 2, 8-lead DFN
ADPL31610*	1	2.6	16	–	Yes	Boost (Inverting)	5-lead TSOT-23
ADPL76030	1	4	55	–	No	Buck-Boost	4 × 5, 28-lead QFN
ADPL54203	1	3.2	40	–	Yes	Flyback, No-Opto Flyback	8-lead SOIC_N

*Sampling now. Contact Analog Devices Sales at eshop.analog.com.

Low Dropout (LDO) Linear Regulators

Part Number	V_{IN} Min (V)	V_{IN} Max (V)	Output Current (typ) (mA)	Noise (µV rms)	Dropout Voltage (typ) (mV)	Package (mm)
ADPL40502	2.2	5.5	200	20	150	2 × 2, 6-lead TDFN and 5-lead TSOT
ADPL40505*	1.7	5.5	500	11	36	6-lead WLCSP
ADPL40505*	1.7	5.5	500	11	50	2 × 2, 8-lead TDFN
MAX38903A/ MAX38903B*	1.7	5.5	1000	12	50	3 × 3, 10-lead TDFN

Low Dropout (LDO) Linear Regulators (Continued)

ADPL42001	4	20	100	–	560	3 × 3, 6-lead TDFN and 6-lead TSOT
ADPL42002	2.7	20	200	20	220	2 × 2, 6-lead TDFN and 8-lead SOIC
ADPL42005	4	20	500	32	400	3 × 3, 8-lead TDFN and 8-lead SOIC
ADPL42010*	2.1	20	1000	40	340	5-lead TO-220, 5-lead DD Pak, 8-lead SOIC_N 3-lead SOT-223, 16-lead TSSOP
ADPL44001	4	40	100	–	560	3 × 3, 6-lead TDFN and 6-lead TSOT
ADPL44002	2.7	40	200	20	220	2 × 2, 6-lead TDFN and 5-lead TSOT

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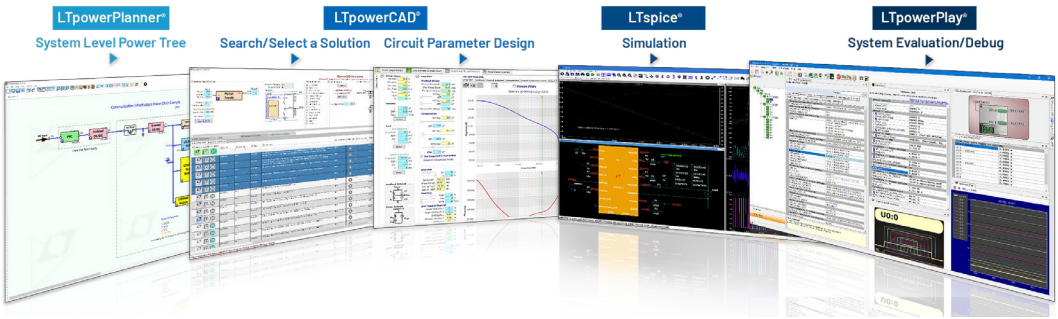
Supervisors

Part Number	# of Supplies	Threshold Accuracy	Reset Output	Reset Pulse Width (ms)	Watchdog Timer	Package (mm)
ADPL62083	1	3	Active Low, Open Drain	30, 150, 210, 300	No	3-lead SOT-23
ADPL62086	1	3	Active Low, Open Drain	<1, 1.5, 210	No	4-lead SOT-23
ADPL62092	1	3	Active Low, Open Drain	15, 60, 225, 450, 1800	Yes	5-lead SOT-23
ADPL62933	1	3	Active Low, Open Drain	30, 150, 210, 300	Yes	5-lead SOT-23
ADPL62935	1	3	Active High, Active Low, Push-Pull	200	No	5-lead SOT-23
ADPL63164	2	2.5	Active Low, Open Drain	Adj	Yes	8-lead SOT-23

Power Protection

Part Number	# of Channels	Power Management Function	Reverse Voltage Protection Range (V)	V_{IN} Min (V)	V_{IN} Max (V)	Package (mm)
MAX17612A	1	eFuse: Overcurrent/ Voltage Protection	–70	4.5	60	3 × 3, 10-lead TDFN
MAX17612B	1	eFuse: Overcurrent/ Voltage Protection	–70	4.5	60	3 × 3, 10-lead TDFN
MAX17612C	1	eFuse: Overcurrent/ Voltage Protection	–70	4.5	60	3 × 3, 10-lead TDFN

Design Tools



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