

LINEAR AND PRECISION TECHNOLOGY NEW PRODUCT UPGRADES

ADI's precision signal conditioning portfolio consists of hundreds of analog amplifiers, analog switches, analog-to-digital converters (ADCs), digital-to-analog converters (DACs), voltage references, and power management devices. As the world leader in data conversion and signal conditioning technology, ADI invests heavily in R&D each year so that we can continually introduce new products that meet the changing needs of our customers. Whether your unique challenges are based on precision, noise performance, low power requirements, size constraints, and/or tighter budgets, we have a solution for you with our latest generation products.

Linear

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
ADC Drivers	ADA4841-1	ADA4805-1	Lower power, higher slew rate, better precision, higher bandwidth
	ADA4841-2	ADA4805-2	Lower power, higher slew rate, better precision, higher bandwidth
	AD8031, AD8027	ADA4807-1	Lower power, lower noise, higher slew rate, better precision, higher bandwidth
	AD8032, AD8028	ADA4807-2	Lower power, lower noise, higher slew rate, better precision, higher bandwidth
	AD8040, AD8054	ADA4807-4	Lower power, lower noise, higher slew rate, better precision, higher bandwidth
	AD8138, AD8138A	ADA4932-1	Lower power, lower noise and distortion, better precision
High Speed Amplifiers	ADCMP608	AD8468	Automotive qualified version
	ADCMP609	AD8469	Automotive qualified version
	ADA4430-1	ADA4432-1	Specifically for automotive with short to battery protection
	AD8021	ADA4895-1	Lower power, higher speed
	AD8022	ADA4896-2	Lower power, higher speed
	AD8021	ADA4897-1	Lower power, higher speed
	AD8022	ADA4897-2	Lower power, higher speed
Instrumentation Amplifiers	AD8221	AD8421	Input OVP and $\sim 1/3$ the noise, $>10\times$ bandwidth, fast settling for $2\times$ the power
	AD620	AD8422	Higher BW at $1/3$ the power, with RRO and OVP
	AD8221	AD8422	Higher BW at $1/3$ the power, with RRO and OVP; same pinout
	AD623	AD8226	Lower cost, 20% lower supply current, $2\times$ faster, $3\times$ the CMV rejection, and wider supply range to 36 V
	AD629	AD8479	$2\times$ wider common-mode range, higher input impedance, lower voltage drift and gain error, with RRO
	AD594	AD8494	Lower cost, better accuracy, smaller footprint, OVP, and improved single-supply performance due to RRO and 5 mV/°C transfer function
	AD595	AD8495	Wider supply voltage, better initial accuracy and temperature rejection, with RRO in lead-free, smaller packages
	AD596	AD8496	Wider supply voltage, better initial accuracy and temperature rejection, with RRO in lead-free, smaller packages
Low Input Bias Current Amplifiers	AD597	AD8497	Wider supply voltage, better initial accuracy and temperature rejection, with RRO in lead-free, smaller packages
	AD823	AD823A	AD823 with MSOP package option
	AD8617	AD8546	Wider supply voltage, lower power, better CMRR and PSRR
	AD8619	AD8548	Wider supply voltage, lower power, better CMRR and PSRR

Linear (Continued)

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
<i>Low Input Bias Current Amplifiers</i>	AD8603, AD8607	AD8657	Operating at 5 V offering lower offset, input bias current, and voltage noise with higher bandwidth, slew rate, and output drive
	AD8609	AD8659	Operating at 5 V offering lower offset, input bias current, and voltage noise with higher bandwidth, slew rate, and output drive
	AD8602, AD8606	ADA4500-2	Zero crossover input circuitry, higher CMRR and PSRR, lower offset drift
	AD549	ADA4530-1	Breakthrough low input bias current, integrated guard ring driver
	AD711, AD8510	ADA4610-1	Higher speed, lower noise, lower bias current and lower current, RRO with better drift
	OP215, OP249, AD712, AD8512	ADA4610-2	Higher speed, lower noise, lower bias current and lower current, RRO with better drift
	AD713, AD8513	ADA4610-4	Higher speed, lower noise, lower bias current and lower current, RRO with better drift
	AD820	ADA4622-1	Higher speed, lower offset, lower noise
	AD822	ADA4622-2	Higher speed, lower offset, lower noise
	AD824	ADA4622-4	Higher speed, lower offset, lower noise
	AD8625	ADA4622-1	Lower power, lower noise, higher speed
	AD8626	ADA4622-2	Lower power, lower noise, higher speed
	AD8627	ADA4622-4	Lower power, lower noise, higher speed
	AD743	ADA4627-1	Lower power, higher slew rate, better precision
	AD745	ADA4637-1	Lower power, higher slew rate, better precision
	AD8662, AD8602, AD8606	ADA4661-2	Lower power, RRIO
	AD8566	ADA4666-2	Lower power, RRIO
	AD8594	ADA4691-4	Lower power and noise available in a smaller package
	AD8594	ADA4692-4	Lower power and noise available in a smaller package
	AD8091, ADA4851-1	ADA4891-1	Higher bandwidth, lower noise, low input bias (CMOS), but reduced supply range (5 V instead of 10 V)
AD8092, ADA4851-2	ADA4891-2	Higher bandwidth, lower noise, low input bias (CMOS), but reduced supply range (5 V instead of 10 V)	
ADA4861-3	ADA4891-3	Higher bandwidth, lower noise, low input bias (CMOS), but reduced supply range (5 V instead of 10 V)	
ADA4851-4	ADA4891-4	Higher bandwidth, lower noise, low input bias (CMOS), but reduced supply range (5 V instead of 10 V)	
<i>Precision Amplifiers</i>	AD706	AD8622	Lower supply current, lower noise, and RRO with smaller package availability
	AD704, OP400	AD8624	Lower power and smaller package options
	OP275, OP285	ADA4075-2	Greatly improved noise, lower offset, and much lower quiescent power in narrow, 8-lead SOIC and tiny 2 mm × 2 mm LFCSP packages
	OP07, OP77, OP1177, AD8677	ADA4077-1	Higher bandwidth, lower noise, low input bias
	OP2177	ADA4077-2	Higher bandwidth, lower noise, low input bias
	OP4177	ADA4077-4	Higher bandwidth, lower noise, low input bias
	OP07, OP77, OP1177, AD8677	ADA4177-1	Higher bandwidth, lower noise, low input bias, with OVP, EMI filter, and RRO
	OP2177	ADA4177-2	Higher bandwidth, lower noise, low input bias, with OVP, EMI filter, and RRO
	OP4177	ADA4177-4	Higher bandwidth, lower noise, low input bias, with OVP, EMI filter, and RRO
	OP184	ADA4084-1	2× bandwidth at half the power consumption, smaller package offering
	OP284	ADA4084-2	2× bandwidth at half the power consumption, smaller package offering
	OP484	ADA4084-4	2× bandwidth at half the power consumption, smaller package offering
	OP291	ADA4091-2	Next generation with 30 V operation, input overvoltage protection, higher bandwidth, and lower noise and offset
	OP491	ADA4091-4	Next generation with 30 V operation, input overvoltage protection, higher bandwidth, and lower noise and offset
	OP295	ADA4096-2	Extends supply voltage to 36 V with OVP feature, higher BW, lower drift and input bias
	OP495	ADA4096-4	Extends supply voltage to 36 V with OVP feature, higher BW, lower drift and input bias

Linear (Continued)

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
Zero-Drift Amplifiers	AD8538	ADA4051-1	Lower power, wider supply range
	AD8539	ADA4051-2	Lower power, wider supply range
	AD8638, AD8551, AD8571	ADA4522-1	Lower noise and power, wider supply range: 16 V to 60 V
	AD8639, AD8552, AD8572	ADA4522-2	Lower noise and power, wider supply range: 16 V to 60 V
	AD8630, AD8554, AD8574	ADA4522-4	Lower noise and power, wider supply range: 16 V to 60 V
	AD8538, AD8628, AD8551, AD8571	ADA4528-1	Lower offset voltage and noise, higher BW
	AD8539, AD8629, AD8552, AD8572	ADA4528-2	Lower offset voltage and noise, higher BW
RMS-to-DC Converters	AD737, AD736	AD8436	Higher integration with wider dynamic range and faster settling time
Voltage References	ADR440	ADR4520	Improved temperature coefficient, long-term drift, and lower supply current
	ADR441	ADR4525	Improved temperature coefficient, long-term drift, and lower supply current
	ADR443	ADR4530	Improved temperature coefficient, long-term drift, and lower supply current
	ADR444	ADR4540	Improved temperature coefficient, long-term drift, and lower supply current
	ADR445	ADR4550	Improved temperature coefficient, long-term drift, and lower supply current
	ADR02	ADR3450	Improved temperature coefficient, long-term drift, and lower supply current
	ADR03	ADR3425	Improved temperature coefficient, long-term drift, and lower supply current
	ADR06	ADR3430	Improved temperature coefficient, long-term drift, and lower supply current
	ADR121	ADR3425	Improved temperature coefficient, long-term drift, and lower supply current
	ADR125	ADR3450	Improved temperature coefficient, long-term drift, and lower supply current
	ADR127	ADR3412	Improved temperature coefficient, long-term drift, and lower supply current

Precision Converters

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
Single-Channel SAR ADCs	AD7466, AD7476A, AD7475, AD7920, AD7495, AD7492, AD7472	AD7091	Lower power, smaller package
	AD7466, AD7476A, AD7475, AD7920, AD7495, AD7492, AD7472	AD7091R	Lower power, smaller package, with internal 2.5 V reference
	AD7621	AD7626	Faster throughput 10 MSPS, 3× faster, better performance
	AD7946, AD7942	AD7944	Faster throughput up to 2.5 MSPS, with pseudo differential inputs
	AD7983	AD7985	Faster throughput
	AD7621, AD7622, AD7623	AD7985	Smaller package, lower power
	AD7641, AD7643	AD7986	Smaller package, lower power
	AD7683, AD7680, AD7651, AD7661, AD7660	AD7988-1	Lower power, with SPI interface, smaller package
	AD7686, AD7666, AD7652	AD7988-5	Lower power, with SPI interface, smaller package
	AD7678	AD7989-1	Lower power, with SPI interface, smaller package
	AD7679	AD7989-5	Lower power, with SPI interface, smaller package

Precision Converters (Continued)

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
<i>Multichannel SAR ADCs</i>	AD7922, AD7921	AD7091R-2	Lower power, smaller package, enhanced feature set
	AD7924, AD7923, AD7934, AD7934-6	AD7091R-4	Lower power, smaller package, enhanced feature set
	AD7927, AD7928, AD7298, AD7938-6	AD7091R-8	Lower power, smaller package, enhanced feature set
	AD7998, AD7938	AD7291	Includes internal reference and temperature sensor
	AD7927, AD7928, AD7938-6	AD7298	Includes internal reference and temperature sensor
	AD7918, AD7939	AD7298-1	Includes internal reference and temperature sensor
Σ - Δ ADCs	AD7791, AD7792, AD7793, AD7797, AD7799, AD7714	AD7124-4	Lower power and lower noise, completed signal chain integration with diagnostic features for functional safety, easier evaluation, and reduced design time
	AD7794, AD7795, AD7718, AD7719	AD7124-8	Lower power and lower noise, completed signal chain integration with diagnostic features for functional safety, easier evaluation, and reduced design time
	AD7190, AD7191, AD7192, AD7195	AD7172-2	Lower power and lower noise, faster throughput, true RRO buffers and precision reference; enhanced feature set
	AD7190, AD7191, AD7192, AD7195	AD7175-2	Better noise performance, fastest throughput, true RRO buffers and precision reference; enhanced feature set
	AD7190, AD7191, AD7192, AD7195	AD7177-2	Lowest noise, 32-bit resolution, true RRO buffers; enhanced feature set
	AD7176-2	AD7172-2	Lower power, true RRO analog input buffers, up to 30 kSPS throughput rate
	AD7176-2	AD7175-2	Integrated RRO input buffers on the analog inputs
	AD7176-2	AD7177-2	Lowest noise, 32-bit resolution, true RRO buffers; enhanced feature set
	AD7193, AD7194	AD7173-8	Lower power and lower noise, faster throughput; integrated buffers and precision reference; enhanced feature set
	AD7193, AD7194	AD7172-4	Lower power and lower noise, faster throughput, true rail-to-rail buffers; enhanced feature set
	AD7193, AD7194	AD7175-8	Better noise performance, fastest throughput, true rail-to-rail buffers and precision reference; enhanced feature set
	AD7738, AD7739	AD7194	Fast, more accurate, higher level of integration with PGA
	AD7734	AD7195	Fast, more accurate, higher level of integration with PGA and ac excitation
<i>Isolated ADCs</i>	AD7401	AD7403	Higher isolation working voltage, improved ENOB performance, increased creepage and clearance, slew rate limiting
	AD7401A	AD7403	Higher isolation working voltage, improved ENOB performance, increased creepage and clearance
<i>Simultaneous Sampling ADCs</i>	AD7656	AD7606-6	Integrated front-end antialias filter, improved performance
	AD7656A	AD7606-6	Integrated front-end antialias filter, improved performance
<i>Industrial DAC Solution</i>	AD421	AD5421	Lower power, smaller, more accurate, enhanced feature set, with 4 ppm reference
	AD5410, AD5420, AD420, AD5412	AD5755-1	DPC, more channels, more accurate, programmable ranges, enhanced feature set, HART [®] connectivity
	AD693	AD5748	Improved accuracy and feature set, programmable current/voltage ranges (4 mA to 20 mA), bipolar supply
	AD693	AD5749	Improved accuracy and feature set, programmable current output ranges, single supply
	AD693	AD5750-2	Improved accuracy and feature set, programmable current/voltage ranges (4 mA to 20 mA), bipolar supply
	AD693	AD5751	Improved accuracy and feature set, programmable current/voltage ranges, single supply
<i>DACs</i>	AD5310, AD5611, AD5331, AD7391	AD5310R	Includes internal reference, high 4 kV ESD, low drift reference, selectable span output
	AD5311, AD5612	AD5311R	Includes internal reference, high 4 kV ESD, low drift reference, selectable span output
	AD5313, AD5312, AD7397, AD5333	AD5313R	Includes internal reference, high 4 kV ESD, low drift reference, selectable span output
	AD5315, AD5316	AD5316R	Includes internal reference, high 4 kV ESD, low drift reference, selectable span output
	AD5317, AD5314, AD5335, AD5336, AD7805, AD7399, AD7804	AD5317R	Includes internal reference, high 4 kV ESD, low drift reference, selectable span output
	AD5338, AD5333	AD5338R	Includes internal reference, high 4 kV ESD, low drift reference, selectable span output

Precision Converters (Continued)

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
DACs	AD5341, AD5340, AD7392, AD5626, AD5620, AD5621, AD5691R, DAC8562, AD8300, DAC8512	AD5512A	Smaller package, superior performance across specifications, lower power
	AD5541, AD5570, AD7849, AD660, AD569, AD669, AD7846	AD5541A	Smaller package, superior performance across specifications, lower power, ac specifications
	AD5542, AD5570, AD7849, AD660, AD569, AD669, AD7846	AD5542A	Smaller package, superior performance across specifications, lower power, ac specifications
	AD5348	AD5629R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5668, AD5678	AD5669R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5348	AD5671R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5628, AD5348, AD5328	AD5672R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5669R, AD5668, AD5678	AD5675R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5668, AD5678	AD5676	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features
	AD5668, AD5678	AD5676R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5320, AD5341, AD5340, AD7392, AD5626, AD5620, AD5621, DAC8562, AD5512A, AD8300, DAC8512	AD5681R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
	AD5640, AD5641	AD5682R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
	AD5061, AD5660, AD5662	AD5683	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features, 1.8 V logic
	AD5061, AD5660, AD5662	AD5683R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
	AD5324, AD5327, AD5624, AD5344, AD7398	AD5684	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features, 1.8 V logic
	AD5624R	AD5684R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
	AD5644R	AD5685R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
	AD5664R	AD5686R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
	AD5666, AD5664	AD5686	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features, 1.8 V logic
	AD5025, AD5623R, AD5322, AD5323, AD5342, AD5343, AD7394, AD8582, AD8522	AD5687	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features
	AD5025, AD5623R, AD5322, AD5323, AD5342, AD534, AD7394, AD8582, AD8522	AD5687R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5065, AD5663, AD5663R	AD5689	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features
	AD5065, AD5663, AD5663R	AD5689R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5040, AD5640, AD5641	AD5691R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5040, AD5640, AD5641	AD5692R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5061, AD5662	AD5693	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features, 1.8 V logic
	AD5660	AD5693R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features
	AD5625, AD5326, AD5325, AD5344	AD5694	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features, 1.8 V logic
	AD5625R	AD5694R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
	AD5645R, AD5044, AD5644R	AD5695R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
	AD5665	AD5696	<i>nano</i> DAC+, improved linearity, offset and drift performance, smaller packages, enhanced features, 1.8 V logic
	AD5665R	AD5696R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features, 1.8 V logic
AD5339, AD5627, AD5627R, AD5342, AD5343, AD7394, AD8582, AD8522	AD5697R	<i>nano</i> DAC+, improved linearity, offset and drift performance, 5 ppm reference, smaller packages, enhanced features	

Precision Converters (Continued)

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
<i>Bipolar DACs</i>	AD5530	AD5721R	Programmable ranges, smaller package, more flexible solutions, higher accuracy
	AD7849, AD7846, AD5570, AD669, AD660	AD5760	Superior accuracy across all dimensions
	AD7849, AD7846, AD5570, AD669, AD660	AD5761R	Programmable ranges, smaller package, more flexible solutions
	AD760	AD5780	Superior accuracy across all dimensions
	AD760	AD5781	Superior accuracy across all dimensions
<i>Digital Potentiometers</i>	AD5259	AD5141	DigiPOT+, smaller, more accurate, better resistor tolerance
	AD5232	AD5142	DigiPOT+, smaller, more accurate, better resistor tolerance
	AD5252, AD5173, AD5172	AD5142A	DigiPOT+, smaller, more accurate, better resistor tolerance
	AD5254	AD5144	DigiPOT+, smaller, more accurate, better resistor tolerance
	AD5254	AD5144A	DigiPOT+, smaller, more accurate, better resistor tolerance
<i>Analog Switches and Multiplexers</i>	ADG506A, ADG526A	ADG1206	Ultracharge injection, smaller package
	ADG507A, ADG527A	ADG1207	Ultracharge injection, smaller package
	ADG508A, ADG528A	ADG1208	Ultracharge injection, smaller package
	ADG509A, ADG529A	ADG1209	Ultracharge injection, smaller package
	ADG201A, ADG211A, ADG441	ADG1211	Ultracharge injection, smaller package
	ADG202A, ADG212A, ADG442	ADG1212	Ultracharge injection, smaller package
	ADG444	ADG1213	Ultracharge injection, smaller package
	ADG417	ADG1401	Ultralow R_{ON} , smaller package
	ADG417	ADG1402	Ultralow R_{ON} , smaller package
	ADG406, ADG426	ADG1406	Ultralow R_{ON} , smaller package
	ADG407	ADG1407	Ultralow R_{ON} , smaller package
	ADG408, ADG428	ADG1408	Ultralow R_{ON} , smaller package
	ADG409	ADG1409	Ultralow R_{ON} , smaller package
	ADG451, ADG431, ADG411, ADG221	ADG1411	Ultralow R_{ON} , smaller package
	ADG452, ADG432, ADG412, ADG222	ADG1412	Ultralow R_{ON} , smaller package
	ADG453, ADG433, ADG413	ADG1413	Ultralow R_{ON} , smaller package
	ADG419	ADG1419	Ultralow R_{ON} , smaller package
	ADG436	ADG1436	Ultralow R_{ON} , smaller package
	ADG1204	ADG5204	Latch-up immune alternative—pin for pin
	ADG1206	ADG5206	Latch-up immune alternative—pin for pin
	ADG506A, ADG526A	ADG5206	Latch-up immune alternative, smaller package
	ADG1207	ADG5207	Latch-up immune alternative—pin for pin
	ADG507A, ADG527A	ADG5207	Latch-up immune, wider voltage range, improved precision performance—not pin for pin
	ADG1208	ADG5208	Latch-up immune alternative—pin for pin
	ADG508A, ADG528A	ADG5208	Latch-up immune alternative, smaller package
	ADG1208, ADG5208, ADG438F, ADG508F, ADG528F	ADG5208F	Fault detection and protection feature set
	ADG1209	ADG5209	Latch-up immune alternative—pin for pin
	ADG509A, ADG529A	ADG5209	Latch-up immune alternative, smaller package
	ADG1209, ADG5209, ADG439F, ADG509F	ADG5209F	Fault detection and protection feature set
	ADG1212	ADG5212	Latch-up immune alternative—pin for pin

Precision Converters (Continued)

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
Analog Switches and Multiplexers	ADG201A, ADG211A, ADG441, ADG202A, ADG212A, ADG442	ADG5212	Latch-up immune alternative, smaller package
	ADG1213	ADG5213	Latch-up immune alternative—pin for pin
	ADG444	ADG5213	Latch-up immune alternative, smaller package
	ADG1233	ADG5233	Latch-up immune alternative—pin for pin
	ADG1234	ADG5234	Latch-up immune alternative—pin for pin
	ADG1236	ADG5236	Latch-up immune alternative—pin for pin
	ADG1233, ADG5233	ADG5243F	Fault detection and protection feature set, inside rail clamping
	ADG1208, ADG5208, ADG438F, ADG508F, ADG528F	ADG5248F	Fault detection and protection feature set, inside rail clamping
	ADG1209, ADG5209, ADG439F, ADG509F	ADG5249F	Fault detection and protection feature set, inside rail clamping
	ADG1401	ADG5401	Latch-up immune alternative—pin for pin
	ADG1402	ADG5401	Latch-up immune alternative, different digital logic
	ADG1404	ADG5404	Latch-up immune alternative—pin for pin
	ADG1404, ADG5404	ADG5404F	Fault detection and protection feature set
	ADG1408	ADG5408	Latch-up immune alternative—pin for pin
	ADG408, ADG428	ADG5408	Latch-up immune alternative, smaller package
	ADG1409	ADG5409	Latch-up immune alternative—pin for pin
	ADG409	ADG5409	Latch-up immune alternative, smaller package
	ADG1412	ADG5412	Latch-up immune alternative—pin for pin
	ADG451, ADG452	ADG5412	Latch-up immune, smaller package alternative
	ADG431, ADG432, ADG411, ADG412, ADG221, ADG222	ADG5412	Latch-up immune, lower R_{ON} , smaller package alternative
	ADG1411	ADG5412	Latch-up immune alternative, different digital logic
	ADG1412, ADG5412, ADG4612	ADG5412BF	Bidirectional fault detection and protection
	ADG1412, ADG5412	ADG5412F	Fault detection and protection feature set
	ADG4612	ADG5412F	Fault detection and protection feature set, pin for pin
	ADG1413	ADG5413	Latch-up immune alternative—pin for pin
	ADG453	ADG5413	Latch-up immune, smaller package alternative
	ADG433, ADG413	ADG5413	Latch-up immune, lower R_{ON} , smaller package alternative
	ADG1413, ADG5413	ADG5413BF	Bidirectional fault detection and protection
	ADG4613	ADG5413F	Fault detection and protection feature set—pin for pin
	ADG1419	ADG5419	Latch-up immune alternative—pin for pin
	ADG419	ADG5419	Latch-up immune, smaller package alternative
	ADG1421	ADG5421	Latch-up immune alternative—pin for pin
	ADG1423	ADG5423	Latch-up immune alternative—pin for pin
	ADG1433	ADG5433	Latch-up immune alternative—pin for pin
ADG1434	ADG5434	Latch-up immune alternative—pin for pin	
ADG1436	ADG5436	Latch-up immune alternative—pin for pin	
ADG436	ADG5436	Latch-up immune, smaller package alternative	
ADG1436, ADG5436	ADG5436F	Fault detection and protection feature set	
ADG467	ADG5462F	Enhanced fault detection and protection feature set, inside rail clamping	

Precision Converters (Continued)

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
<i>Temperature Sensors</i>	ADT75, ADT7301, AD7814	ADT7311	More accurate, higher resolution, wider operating temperature range
	ADT75, ADT7301, AD7814	ADT7312	More accurate, higher resolution, wider operating temperature range in die form
	ADT7310, ADT7301, ADT7302, AD7814	ADT7320	Most accurate temperature sensor @ 0.250°C, smaller package, fast response
	ADT7410, ADT75, AD7414, AD7415, ADT7408	ADT7420	Most accurate temperature sensor @ 0.250°C, smaller package, fast response
	ADT7519	ADT7516	Same accuracy with better resolution and pin-to-pin compatible

Power Management

Portfolio	Older Generation Part Number	Newer Alternative Part Number	Key Feature Improvements/Benefits
<i>Power Management</i>	CMP04	ADCMP393	Low voltage replacement only, pin-compatible
	ADM809	ADM6326	Pin-compatible upgrade, lower I_o
	ADM803	ADM6328	Pin-compatible upgrade, lower I_o
	ADM809	ADM6346	Pin-compatible upgrade, lower I_o
	ADM803	ADM6348	Pin-compatible upgrade, lower I_o
	ADP151	ADM7160	Better PSRR specifications
	ADP3338	ADM7171	Much lower noise (<5 μ V rms), noise independent of V_{OUT} , higher PSRR
	ADP3339	ADM7172	Much lower noise (<5 μ V rms), noise independent of V_{OUT} , higher PSRR
	ADM6316	ADM8316	Pin-compatible, upgrade for automotive, and extended temperature range
	ADM6318	ADM8318	Pin-compatible, upgrade for automotive, and extended temperature range
	ADM6319	ADM8319	Pin-compatible, upgrade for automotive, and extended temperature range
	ADM6320	ADM8320	Pin-compatible, upgrade for automotive, and extended temperature range
	ADM6321	ADM8321	Pin-compatible, upgrade for automotive, and extended temperature range
	ADM6322	ADM8322	Pin-compatible, upgrade for automotive, and extended temperature range
	ADP2302, ADP2303	ADP2384	Higher efficiency (4 A), synchronous integrated regulator
	ADP2302, ADP2303	ADP2386	Higher efficiency (6 A), synchronous integrated regulator
	ADP3330	ADP7118	Much lower noise (<11 μ V rms) and up to 20 V input
ADP3330	ADP7142	Much lower noise (<11 μ V rms) and up to 40 V input	