



Space Qualified Parts List

August 2022

Rich 45+ Year History Serving the Space Market

Our certified facilities have been supplying products for military and space applications since 1972. ADI offers end-to-end state-of-the-art signal chain solutions, including precision linear, data conversion, RF/uW, and power management. ADI's space products have supported missions both close to home and distant

worlds, expanding humanity's understanding of the cosmos and improve life on planet earth.

ADI Space-Qualified Products

The following tables list all of ADI's space-grade standard products, including **Classic QMLV** products and our new **Commercial Space** products. They are sorted by product category.

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Commercial Space (Plastic/COTS)

Data Conversion & Clocking

Product	Orderable Part Number/Description	Package	Note
AD9213S	12 Bit 10.24 GSPS ADC AD9213BBP-10G-CSH	BBP BP-192-1	
AD9361S	RF Agile Transceiver AD9361BBCZ-CSL	BGA BGA-144	1
AD9257S	Octal, 14-Bit, 65 MSPS Serial LVDS 1.8 V ADC AD9257TCPZ-65-CSL	CP CP-64	
AD9914S	3.5 GSPC DDS w/upconverter AD9914BCPZ-CSL AD9914BCPZ-RL7-CSL	CP CP-88-5 CP-88-5	
LTC1604	16-Bit 333 KSPS Sampling ADC LTC1604AIG#90117	G G	2
RT2378-20	20-Bit 1MSPS SAR ADC RT2378IMS-20	MS MS	3

RS485/RS422 Transceiver

Product	Orderable Part Number/Description	Package	Note
ADLT2852S	3.3V 20Mbps RS485/RS422 Tran ADLT2852MPS-CSL	R R-14	

Beamforming

Product	Orderable Part Number/Description	Package	Note
ADAR3000S	17-22 GHz Multibeam Beamformer ADAR3000ABCZ-CSL ADAR3000ABCZRL-CSL	BC BC-311 BC-311	
ADAR3001S	27-32 GHz Multibeam Beamformer ADAR3001ABCZ-CSL ADAR3001ABCZRL-CSL	BC BC-311 BC-311	

Power & Battery Management

Product	Orderable Part Number/Description	Package	Note
RT6804-1	Multicell Battery Monitor	G	
	RT6804HG-1	G	3

Notes

- ¹ This model utilizes tin-silver solder balls
- ² This product follows a unique screening flow and does not include radiation performance guarantees. Contact ADI for more information on this screening flow
- ³ This product follows the legacy Linear Technology Radiation Tolerant (RT) screening flow that is roughly equivalent to CSH. Contact ADI for more information on this screening flow

Classic Space (QML Class V and Equivalent)

Data Conversion & Clocking

Analog to Digital Converters

Product / Description	Orderable Part Number	Package	Note
AD571S	10-Bit Complete ADC	C, D-18	
AD571SD/QMLV	5962-8680203VVA	D	
Die	AD571-000C	C	
AD574S	12-Bit ADC with Microprocessor Interface	C, D-28, F-28	
AD574AUD/QMLR	5962R8512701VXA	D	
AD574AUF/QMLR	5962R8512701VZA	F	
AD574ATD/QMLR	5962R8512702VXA	D	
AD574ATF/QMLR	5962R8512702VZA	F	
Die	AD574-000C	C	
Die	AD574R000C	C	
AD670S	8-Bit Signal Conditioning Single Supply ADC	C, D-20	
	AD670-703D	D	2
Die	AD670-000C	C	2
AD1671S	12-Bit 1.25 MSPS ADC	D-28, F-28	
	AD1671-703D	D	2

Analog to Digital Converters

Product / Description	Orderable Part Number	Package	Note
	AD1671-703F	F	2
	AD1671-713F	F	2
AD1672S	12-Bit 3 MSPS ADC	D-28, F-28	
	AD1672-703F	F	
	AD1672-713D	D	
AD9042S	12-Bit 41 MSPS ADC	D-28, F-28	
AD9042SD/QMLR	5962R0253801VXA	D	
AD9042SF/QMLR	5962R0253801VZA	F	
AD9042SF/QMLL	5962L0253802VZA	F	
AD9054S	8-Bit 200MSPS ADC	J44	
	AD9054-703J44	J44	1, 2
AD9246S	14-Bit 125MSPS ADC	F-48	
AD9246AF/QMLR	5962R1422701VXC	F-48	
AD9254S	14-Bit 150 MSPS ADC	F-52	
	AD9254R703F	F	1, 3
AD9283S	8-Bit 100 MSPS 3.3V ADC	RC	
	AD9283-703RC	RC	1, 2
AD9814S	14-Bit, 3-Channel CCD Signal Processor	F-28	
	AD9814-703F	F-28	1, 2

Clock Generation & Distribution

Product	Orderable Part Number/Description	Package	Note
AD537S	Voltage to Frequency Converter, +/-30V to 150kHz	D-14	
	AD537-703D	D	1, 2
AD652S	Synchronous Voltage to Frequency Conv	Q-16	
AD652SQ/QMLV	5962-9322201VEA	Q-16	
ADCLK925S	ECL Clock/Data Fanout Buffer 7GHz	F-16	
ADCLK925AF/QMLR	5962R1320501VXA	F	
ADCLK925AF/QMLL	5962L1320502VXA	F	
ADF4108S	7 GHz PLL Frequency Synthesizer	F-16	
ADF4108L703F	5962L1420401VXA	F	
ADF4108L803F	5962L1420402VXA	F	
ADH987S	3.3V Low Noise 1:9 Fanout Buffer DC - 4GHz	G32	
	ADH987L701G32	G	

Digital to Analog Converters

Product	Orderable Part Number/Description	Package	Note
AD561S	10-Bit, Current Output	C, D-16	
	AD561-703D	D	2
Die	AD561-000C	C	2
AD565AS	12-Bit, Current Output, Complete High-Speed DAC	C, D-24	
AD565ASD/QMLV	5962-9689201VJA	D	
AD565ATD/QMLV	5962-9689202VJA	D	
Die	AD565-000C	C	2
AD667S	12-Bit Microprocessor Compatible DAC	C, D-28, F-28	
	AD667-703D	D	2
	AD667-703F	F	2
	AD667-713F	F	2
Die	AD667-000C	C	2
AD768S	16-Bit 30MSPS DAC	F-28	
AD768AF/QMLR	5962R0820102VZA	F-28	
AD9731S	10-Bit 170MSPS DAC	D-28, F-28	
	AD9731-703D	D	1, 2
	AD9731-713D	D	1, 2
	AD9731-703F	F	1, 2
	AD9731-713F	F	1, 2
DAC08S	8-Bit High Speed Multiplying DAC	C, F-16, Q, RC	
DAC08SAQ7/38510	JM38510/11302SEA	Q	
DAC08AF/QMLR	5962R8993202VFA	F	
DAC08AF/QMLL	5962L8993203VFA	F	
DAC08AQ/QMLR	5962R8993202VEA	Q	
DAC08ARC/QMLR	5962R8993202V2A	RC	
DAC08XF/QMLR	5962R8993201VFA	F	
DAC08XQ/QMLR	5962R8993201VEA	Q	
DAC08XRC/QMLR	5962R8993201V2A	RC	
Die	DAC08-000C	C	
Die	DAC08R000C	C	
DAC100S	10-Bit Current Output DAC	Q	
	DAC100-713Q	Q	2

Notes

- Not available with wafer lot acceptance. Available as MIL-STD 883 Class B Dice plus SEM and Test Method 2010 Condition A Visual only.
- Part Numbers in this column containing “-” may utilize a “-” or “0” in product documentation, shipping, or purchasing documents.

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- ³ Not available with wafer lot acceptance. SEM inspection per MIL-STD-883, Test Method 2018 is not applicable to this product as the wafer fabrication is manufactured using planarized metallization process.
 - ⁴ DICE in this context is the same form factor as package type C (bare die)

Power Management

Linear Regulators

Product	Orderable Part Number/Description	Package	Note
RH117	0.5A & 1.5A Regulator	DICE, H, K	
	RH117H	H	1
	RH117K	K	
Die	RH117DICE	DICE	4
Die	RH117KDICE	DICE	4
RH137	0.5A & 1.5A Negative Regulator	DICE, H, K	
	RH137H	H	1
	RH137K	K	
Die	RH137DICE	DICE	4
Die	RH137KDICE	DICE	4
RH1085	3A LDO Regulator	DICE, K	
	RH1085MK	K	
Die	RH1085MKDICE	DICE	4
RH1086	0.5A & 1.5A LDO Regulator	DICE, H, K	
	RH1086MH	H	1
	RH1086MK	K	
Die	RH1086BHKDICE	DICE	4
Die	RH1086BKDICE	DICE	4
RH1185	3A Negative LDO Regulator	DICE, K	
	RH1185AMK	K	
Die	RH1185AMKDICE	DICE	4
RH1573	LDO PNP Regulator Driver	DICE	
Die	RH1573KDICE	DICE	4
RH1965	0.9A Low Noise, LDO Regulator	DICE	
Die	RH1965MKDICE	DICE	4
RH3080	0.9A Single Resistor LDO Regulator	DICE	
Die	RH3080MKDICE	DICE	4
RH3083	2.8A Single Resistor LDO Regulator	DICE	
Die	RH3083MKDICE	DICE	4

Switching Regulators

Product	Orderable Part Number/Description	Package	Note
RH1959	4.5A Switching Regulator	DICE	
Die	RH1959MILDICE	DICE	4
RH3845	60Vin Synchronous Switching Controller	DICE	
Die	RH3845MKDICE	DICE	4
RHK3845	60Vin Synchronous Switching Controller Kit	DICE	

Switching Regulators

Product	Orderable Part Number/Description	Package	Note
	Includes 1x RH3845 & 2x RH411		
Die	RHK3845MKDICE	DICE	4

Notes

- ¹ Not available with wafer lot acceptance. Available as MIL-STD 883 Class B Dice plus SEM and Test Method 2010 Condition A Visual only.
- ² Part Numbers in this column containing “-” may utilize a “-” or “0” in product documentation, shipping, or purchasing documents.
- ³ Not available with wafer lot acceptance. SEM inspection per MIL-STD-883, Test Method 2018 is not applicable to this product as the wafer fabrication is manufactured using planarized metallization process.
- ⁴ DICE in this context is the same form factor as package type C (bare die)

Precision Linear

Comparators

Product	Orderable Part Number/Description	Package	Note
AD8561S	7nS Single Comparator	Q-8, L	
AD8561AQ/QMLV	5962-0051501VPA	Q	
AD8561AL/QMLR	5962R0051501VHA	L	
AD8561AQ/QMLR	5962R0051501VPA	Q	
AD8561AL/QMLL	5962L0051502VHA	L	
PM111S	Precision Voltage Comparator	J, Z	
PM111SJ6/38510	JM38510/10304SGA	J	
PM111SZ7/38510	JM38510/10304SPA	Z	
PM139S	Quad Low-Power Voltage Comparator	C, Y, M, RC	
PM139AY/QMLR	5962R8773901VCA	Y	
PM139AM/QMLR	5962R8773901VDA	M	
PM139ARC/QMLR	5962R8773901V2A	RC	
PM139AM/QMLL	5962L8773903VDA	M	
Die	PM139-000C	C	2
Die	PM139R000C	C	
RH119	80nS Dual High Performance Comparator	DICE, H, J, W	
	RH119H	H2	
	RH119J	J2	
	RH119W	W	
Die	RH119DICE	DICE	
RH1011	150nS General Purpose Comparator	DICE, H, J8, W	
	RH1011H	H2	
	RH1011J8	J8	
	RH1011W	W	
Die	RH1011DICE	DICE	
RH1016	10nS Precision Comparator	DICE, W	
	RH1016MW	W	
Die	RH1016DICE	DICE	

Current Sense Amplifiers

Product / Description	Orderable Part Number	Package	Note
AD8210S	Bidirectional Current Shunt Monitor	F-10	
AD8210AF/QMLR	5962R1223301VXA	F	
AD8210AF/QMLL	5962L1223302VXA	F	
AD8212S	High Voltage Current Shunt Monitor	L	

Current Sense Amplifiers

Product / Description	Orderable Part Number	Package	Note
AD8212AL/QMLR	5962R0924401VHA	L	
AD8212AL/QMLL	5962L0924402VHA	L	
RH6105	Micropower R-R Current Sense Amp	DICE, F10	
Die	RH6105MILDICE	DICE	4
	RH6105MW	F10	

Discrete Transistors

Product / Description	Orderable Part Number	Package	Note
MAT02S	Low Noise, Matched Dual NPN Transistor	C, H	
	MAT02-903H	H	2
Die	MAT02-000C	C	2
MAT03S	Low Noise, Matched Dual PNP Transistor	C, L	
	MAT03-903L	L	2
Die	MAT03-000C	C	2
MAT02S	Low Noise, Matched Dual NPN Transistor	C, H	
	MAT02-903H	H	2
Die	MAT02-000C	C	2
MAT03S	Low Noise, Matched Dual PNP Transistor	C, L	
	MAT03-903L	L	2
Die	MAT03-000C	C	2

Environmental Sensors

Product / Description	Orderable Part Number	Package	Note
AD590S	2 Terminal Temperature Transducer, 1uA/°K	H-3, F-2	
AD590MF/QMLR	5962R8757104VXA	F	
AD590MH/QMLR	5962R8757104VYA	H	
AD590LF/QMLR	5962R8757103VXA	F	
AD590LH/QMLR	5962R8757103VYA	H	
AD590MH/QMLL	5962L8757105VYA	H	

Instrumentation Amplifiers

Product / Description	Orderable Part Number	Package	Note
AD524S	Instrumentation Amplifier	D-16, E-20	
AD524SD/QMLR	5962R8853901VEA	D	
AD524SE/QMLR	5962R8853901V2A	E	
AD8229S	Low-Noise Instrumentation Amplifier	F-14	
AD8229AF/QMLR	5962R1420501VXA	F	
AD8229AF/QMLL	5962L1420502VXA	F	
AMP01S	Low-Noise Precision Instrumentation Amp	C, N, D-18, TC	
AMP01AD/QMLV	5962-8863001VVA	D	
AMP01ATC/QMLV	5962-8863001V3A	TC	
AMP01D/QMLV	5962-8863003VVA	D	
AMP01N/QMLV	5962-8863003VKA	N	
AMP01TC/QMLV	5962-8863003V3A	TC	
Die	AMP01-000C	C	2
OP227S	Dual Low Noise Low Offset Instrumentation Op Amp	Y, M	
	OP227R903Y	Y	
	OP227R903M	M	

Isolators

Product / Description	Orderable Part Number	Package	Note
ADuM141ES	150 MBPS Quad-Channel Digital Isolator	F-16	
	ADUM141E1L703F	F	
ADuM3190S	High-Stability Isolated Error Amplifier	F-16	
	ADUM3190P703F	F	
ADuM7442S	25 MBPS Quad Channel Digital Isolator	F-16	
	ADUM7442R703F	F	

Multipliers

Product / Description	Orderable Part Number	Package	Note
AD534S	Internally Trimmed Precision IC Multiplier	F-16	
AD534TD/QMLV	5962-9053701VCA	F	
Die	AD534-000C	F-16	

Operational Amplifiers

Product / Description	Orderable Part Number	Package	Note
AD648S	Dual Precision, Low Power BiFET Op Amp	H-8, Q-8	
AD648SH/QMLV	5962-9753501VGA	H	
AD648SQ/QMLV	5962-9753501VPA	Q	
AD648TH/QMLV	5962-9753502VGA	H	
AD648TQ/QMLV	5962-9753502VPA	Q	
AD844S	60 MHz, 2000V/μs Op Amp	Q-8	
AD844SQ/QMLR	5962R8964401VPA	Q	
AD844SQ/QMLL	5962L8964402VPA	Q	
AD847S	High Speed, Low Power Op Amp	Q-8	
	AD847-703Q	Q	
AD8001S	800 MHz, 50mW Current Feedback Amplifier	Q-8, L	
AD8001SQ/QMLR	5962R9459301VPA	Q	
AD8001SL/QMLR	5962R9459301VHA	L	
AD8001SL/QMLL	5962L9459302VHA	L	
AD8041S	160 MHz Rail-to-Rail Amplifier with Disable	C, Q-8, L	
AD8041SQ/QMLR	5962R9683902VPA	Q	
AD8041SL/QMLR	5962R9683902VHA	L	
AD8041SL/QMLL	5962L9683903VHA	L	
Die	AD8041-000C	C	
AD8138S	320 MHz Low Distortion Differential Amplifier	L	
AD8138AL/QMLR	5962R0922001VHA	L	
AD8138AL/QMLL	5962L0922002VHA	L	
AD8351S	Low Distortion Fully Differential Amplifier	RC	
AD8351ARC/QMLR	5962R0821801V2A	RC	
AD8351ARC/QMLL	5962L0821802V2A	RC	
AD8629S	Dual Low Offset Precision Amplifier	L	
	AD8629D703L	L	1, 3
AD8671S	Low Noise, Low Input Bias Current, Low Offset	L	
AD8671AL/QMLL	5962L0922301VHA	L	
ADA4077-2S	Dual Low Offset and Drift, High Precision Amp	F-10	
ADA4077-2AF/QMLR	5962R1423301VXA	F	
ADA4077-2AF/QMLL	5962L1423302VXA	F	
ADA4077-4S	Quad Low Offset and Drift, High Precision Amp	C, F-14	
ADA4077-4AF/QMLR	5962R1921501VXA	F	
Die	ADA4077-4R000C	C	
ADA4084-2S	Dual Low Noise, R-R I/O, Low Power Amp	F-10	
ADA4084-2AF/QMLR	5962R1324501VXA	F	
ADA4084-2AF/QMLL	5962L1324502VXA	F	
ADA4084-4S	Quad Low Noise, R-R I/O, Low Power Amp	F-14	
ADA4084-4AF/QMLR	5962R1523601VXA	F	

Operational Amplifiers

Product / Description	Orderable Part Number	Package	Note
ADA4084-4AF/QMLL	5962L1523602VXA	F	
ADA4096-2S	Dual Micropower Op Amp	F-10	
ADA4096-2AF/QMLR	5962R1420601VXA	F	
ADA4610-2S	Dual Low Input Bias Op Amp	F-10	
ADA4610-2BF/QMLR	5962R1420701VXA	F	
ADA4610-2BF/QMLL	5962L1420702VXA	F	
OP07S	Ultra-Low Offset Voltage Op Amp	C, J, L, Z	
OP07AJ/QMLR	5962R9863901VGA	J	
OP07AL/QMLR	5962R9863901VHA	L	
OP07AZ/QMLR	5962R9863901VPA	Z	
Die	OP07-000C	C	2
Die	OP07R000C	C	
OP11S	Quad Matched 741-Type Op Amp	C, M, Y	
OP11AM/QMLV	5962-8980101VDA	M	
Die	OP11-000C	C	2
OP12S	Precision Low Input Current Op Amp	C	
Die	OP12-000C	C	2
OP15S	Precision JFET-Input Op Amp	J, L, Z	
OP15AJ/QMLR	5962R8954203VGA	J	
OP15AL/QMLR	5962R8954203VHA	L	
OP15AZ/QMLR	5962R8954203VPA	Z	
OP16S	Precision JFET-Input Op Amp	J, Z	
OP16AJ/QMLR	5962R8954304VGA	J	
OP16AZ/QMLR	5962R8954304VPA	Z	
OP27S	Low Noise Precision Op Amp	C, J, L, RC, Z	
OP27SAJ6	JM38510/13503SGA	J	
OP27SAZ7	JM38510/13503SPA	Z	
OP27AJ/QMLR	5962R9468002VGA	J	
OP27AL/QMLR	5962R9468002VHA	L	
OP27ARC/QMLR	5962R9468002V2A	RC	
OP27AZ/QMLR	5962R9468002VPA	Z	
OP27AL/QMLL	5962L9468003VHA	L	
Die	OP27-000C	C	2
Die	OP27R000C	C	
OP37S	Low Noise Precision High-Speed Op Amp	J, Z	
OP37AJ/QMLV	5962-8853701VGA	J	
OP37AZ/QMLV	5962-8853701VPA	Z	
OP42S	High-Speed, Fast Settling Precision JFET-Input	J, Z	
OP42AJ/QMLV	5962-8851301VGA	J	
OP42AZ/QMLV	5962-8851301VPA	Z	

Operational Amplifiers

Product / Description	Orderable Part Number	Package	Note
OP77S	Ultra-Low Offset Op Amp	J, L, RC, Z	
OP77AJ/QMLV	5962-8773802VGA	J	
OP77AL/QMLV	5962-8773802VHA	L	
OP77ARC/QMLV	5962-8773802V2A	RC	
OP77AZ/QMLV	5962-8773802VPA	Z	
OP200S	Dual Low-Offset, Low Power Op Amp	RC, Z	
OP200ARC/QMLV	5962-8859301V2A	RC	
OP200AZ/QMLV	5962-8859301VPA	Z	
OP215S	Dual Precision JFET Input Op Amp	C, J, RC, Z	
OP215AJ/QMLR	5962R8853801VGA	J	
OP215AZ/QMLR	5962R8853801VPA	Z	
OP215ARC/QMLR	5962R8853804V2A	RC	
Die	OP215-000C	C	2
Die	OP215R000C	C	
OP270S	Dual Very Low Noise Precision Op Amp	C, RC, Z, M	
OP270AZ/QMLV	5962-8872101VPA	Z	
OP270AZ/QMLR	5962R8872101VPA	Z	
OP270AM/QMLR	5962R8872101VDA	M	
OP270ARC/QMLR	5962R8872101V2A	RC	
OP270AM/QMLL	5962L8872103VDA	M	
Die	OP270-000C	C	2
Die	OP270R000C	C	
OP400S	Quad Low-Offset, Low-Power Op Amp	C, N, TC, Y	
OP400AN/QMLV	5962-8777101VKA	N	
OP400ATC/QMLV	5962-8777101V3A	TC	
OP400AY/QMLV	5962-8777101VCA	Y	
OP400AY/QMLR	5962R8777101VCA	Y	
OP400AN/QMLR	5962R8777101VKA	N	
OP400AN/QMLL	5962L8777102VKA	N	
Die	OP400-000C	C	2
OP467S	Quad High-Speed Precision Op Amp	RC, Y, M	
OP467ARC/QMLV	5962-9325801V2A	RC	
OP467AM/QMLR	5962R9325801VDA	M	
OP467AY/QMLR	5962R9325801VCA	Y	

Operational Amplifiers

Product / Description	Orderable Part Number	Package	Note
OP470S	Very Low-Noise Quad Op Amp	C, N,RC,TC,Y	
OP470ARC/QMLV	5962-8856501V2A	RC	
OP470ARC/QMLR	5962R8856501V2A	RC	
OP470AN/QMLR	5962R8856501VKA	N	
OP470AY/QMLR	5962R8856501VCA	Y	
OP470AY/QMLL	5962L8856503VCA	Y	
	OP470-903TC	TC	2
Die	OP470-000C	C	2
Die	OP470R000C	C	
OP471S	High Speed Low Noise Quad Op Amp	M, N, Y	
OP471AM/QMLR	5962R8856502VDA	M	
OP471AN/QMLR	5962R8856502VKA	N	
OP471AY/QMLR	5962R8856502VCA	Y	
OP471AM/QMLL	5962L8856504VDA	M	
OP484S	Precision, Rail to Rail I/O Op Amp	C, Y, M	
OP484AY/QMLV	5962-0051701VCA	Y	
OP484AM/QMLV	5962-0051701VDA	M	
OP484AY/QMLR	5962R0051701VCA	Y	
OP484AM/QMLR	5962R0051701VDA	M	
OP484AM/QMLL	5962L0051702VDA	M	
Die	OP484-000C	C	2
Die	OP484R000C	C	
PM108S	Low Input Current Op Amp	C, J, L, Z	
PM108SAJ6	JM38510/10104SGA	J	
Die	PM108-000C	C	2
Die	PM108R000C	C	
PM155S	Monolithic JFET Input Op Amp	J, Z	
PM155AJ/QMLR	5962R9863601VGA	J	
PM155AZ/QMLR	5962R9863601VPA	Z	
PM156S	Monolithic JFET Input Op Amp	J, Z	
PM156SAJ6	JM38510/11405SGA	J	
PM156AJ/QMLR	5962R9863602VGA	J	
RH07	Precision Op Amp	DICE, H, W, J8	
	RH07H	H	1
	RH07J8	J8	
	RH07W	W	
Die	RH07DICE	DICE	4

Operational Amplifiers

Product / Description	Orderable Part Number	Package	Note
RH27	Precision Low Offset Op Amp	DICE, H, J8, W	
	RH27CH	H	1
	RH27CJ8	J8	
	RH27CW	W	
	RH27EW	W	
	RH27EH	H	1
	RH27AEW	W	
Die	RH27CDICE	DICE	4
RH37	Precision High Speed Op Amp	H, J8, W	
	RH37CH	H	1
	RH37CJ8	J8	
	RH37CW	W	
RH101A	Op Amp	DICE, H, W, J8	
	RH101AH	H	1
	RH101AJ8	J8	
	RH101AW	W	
Die	RH101ADICE	DICE	4
RH108A	General Purpose Op Amp	DICE, H, MJ8, W	
	RH108AH	H	1
	RH108AJ8	J8	
	RH108AW	W	
Die	RH108ADICE	DICE	4
RH118	Precision High Speed Op Amp	H, J8, W	
	RH118H	H	1
	RH118J8	J8	
	RH118W	W	
RH1013	Dual Precision Op Amp	DICE, H, W, J8	
	RH1013MH	H	1
	RH1013MJ8	J8	
RH1013MW	5962R8876003VHA	W	
RH1013DICE	5962R8876003V9A	DICE	4
RH1014	Quad Precision Op Amp	J, W	
	RH1014MJ	J	1
RH1014MW	5962R8967703VDA	W	

Operational Amplifiers

Product / Description	Orderable Part Number	Package	Note
RH1028	Ultralow Noise Precision Op Amp	DICE, W	
	RH1028MW	W	
	RH1028MDICE	DICE	4
RH1056	Precision High-Speed JFET Input Op Amp	DICE, H, W	
	RH1056AMH	H	1
	RH1056AMW	W	
Die	RH1056ADICE	DICE	4
RH1078	Dual Micropower Precision Op Amp	DICE, H, MJ8, W	
	RH1078MH	H	
	RH1078MJ8	J8	
	RH1078MW	W	
Die	RH1078MDICE	DICE	4
RH1128	Ultralow Noise Precision Op Amp	DICE, W	
	RH1128MW	W	
Die	RH1128MDICE	DICE	4
RH1498	Dual R-R Precision C-Load Op Amp	DICE, W	
RH1498MW	5962R1325001VHA	W	
RH1498DICE	5962R1325001V9A	DICE	4
RH1499	Quad R-R Precision C-Load Op Amp	W	
RH1499MW	5962R1325101VDA	W	
RH1814	Quad High Speed, High Slew Rate Op Amp	DICE, W	
	RH1814MW	W	5
Die	RH1814MDICE	DICE	4, 5
RH6200	High Speed R-R Low Noise Op Amp	DICE, W	
	RH6200MW	W	
Die	RH6200MDICE	DICE	4

Sample-and-Hold Amplifiers

Product / Description	Orderable Part Number	Package	Note
AD585S	Hi Speed, Precision Sample-and-Hold Amp	M	
	AD585-703M	M	2
	AD585-713M	M	2
SMP11S	Low Droop Rate/Accurate Sample-and-Hold Amp	Y	
	SMP11-803Y	Y	2

Switches & Multiplexers

Product / Description	Orderable Part Number	Package	Note
AD8182S	Dual 2:1 Buffered Mux	M	
AD8182AM/QMLR	5962R1021101VDA	M	
AD8182AM/QMLL	5962L1021102VDA	M	
ADG201S	LCMOS Hi-speed QUAD SPST Switches	Q-16	
	ADG201-803Q	Q	1, 2
SW201S	Quad SPST JFET Analog Switch	Q	
	SW201-803Q	Q	2

Voltage References

Product / Description	Orderable Part Number	Package	Note
AD584S	Pin Programmable Precision Voltage Reference	H-8	
AD584SH/QMLV	5962-3812801VGA	H	
AD584TH/QMLV	5962-3812802VGA	H	
AD584SH/QMLR	5962R3812801VGA	H	
AD584TH/QMLR	5962R3812802VGA	H	
AD584TH/QMLL	5962L3812805VGA	H	
AD589S	Precision 1.2 Volt IC Reference	H-2	
AD589TH/QMLV	5962-8992901VXA	H	
Die	AD589-000C	C	
REF01S	+10V Precision Voltage Reference	J, L, RC, Z	
REF01AJ/QMLR	5962R8958101VGA	J	
REF01AL/QMLR	5962R8958101VHA	L	
REF01ARC/QMLR	5962R8958101V2A	RC	
REF01AL/QMLL	5962L8958105VHA	L	
Die	REF01-000C	C	2
Die	REF01R000C	C	
REF02S	+5V Precision Voltage Reference / Temp. Transducer	C, J, L, RC, Z	
REF02AJ/QMLR	5962R8551401VGA	J	
REF02AL/QMLR	5962R8551401VHA	L	
REF02ARC/QMLR	5962R8551401V2A	RC	
REF02AZ/QMLR	5962R8551401VPA	Z	
REF02AL/QMLL	5962L8551405VHA	L	
Die	REF02-000C	C	2
Die	REF02R000C	C	
REF05S	+5V Precision Voltage Reference	J, L, Z	
REF05AJ/QMLR	5962R0051601VGA	J	
REF05AL/QMLR	5962R0051601VHA	L	
REF05AZ/QMLR	5962R0051601VPA	Z	

Voltage References

Product / Description	Orderable Part Number	Package	Note
REF05AL/QMLL	5962L0051602VHA	L	
REF10S	+10V Precision Voltage Reference	J, L	
REF10AJ/QMLR	5962R8947901VGA	J1	
REF10AL/QMLR	5962R8947901VHA	L	
REF10AL/QMLL	5962L8947903VHA	L	
REF43S	+2.5V Low-Power Precision Voltage Ref	J, L, RC, Z	
REF43AZ/QMLR	5962R9060302VPA	Z	
REF43AL/QMLR	5962R9060303VHA	L	
REF43AL/QMLL	5962L9060304VHA	L	
	REF43-803J	J	2
	REF43-803L	L	2
	REF43-803RC	RC	2
	REF43-803Z	Z	2
	REF43R803J	J	
	REF43R803RC	RC	
RH129A	+6.9V Voltage Reference	H	
	RH129AH	H	1
RH1009	+2.5V Precision Voltage Reference	H, W, DICE	
RH1009MH	5962R8961002VXC	H	1
RH1009MW	5962R8961002VHA	W	
RH1009DICE	5962R8961002V9A	DICE	4
RH1021	+5V, +7V, +10V Precision Voltage Reference	H, W, DICE	
RH1021BMH-5	5962R8876201VGA	H	1
RH1021CMH-5	5962R8876202VGA	H	1
	RH1021DMH-5	H	1
RH1021CMW-5	5962R8876202VHA	W	
RH1021C-5 DICE	5962R8876202V9A	DICE	4
	RH1021BMH-7	H	1
	RH1021DMH-7	H	1
RH1021BMH-10	5962R8860001VGA	H	1
RH1021CMH-10	5962R8860002VGA	H	1
	RH1021DMH-10	H	1
RH1021CMW-10	5962R8860002VHA	W	
RH1021C-10 DICE	5962R8860002V9A	DICE	4
RH1021DMH-10	5962R8860003VGA	H	1
RH1034-1.2	+1.2V Voltage Reference (+7V Aux)	H, W	
	RH1034MW-1.2	W	
	RH1034MH-1.2	H	1

Notes

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- ¹ Not available with wafer lot acceptance. Available as MIL-STD 883 Class B Dice plus SEM and Test Method 2010 Condition A Visual only.
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 - ³ Not available with wafer lot acceptance. SEM inspection per MIL-STD-883, Test Method 2018 is not applicable to this product as the wafer fabrication is manufactured using planarized metallization process.
 - ⁴ DICE in this context is the same form factor as package type C (bare die)
 - ⁵ The RH1814MDICE is a dual op amp. There are two die per RH1814MW packaged part.

RF & Microwave

Attenuators & Switches

Product / Description	Orderable Part Number	Package	Note
ADH232S	DC - 15 GHz High-Isolation Non-Reflective SPDT Switch	C	
Die	HMC8800	C	
ADH244S	DC - 4 GHz SP4T Non-Reflective Switch	G16	
	ADH244-701G16	G16	
ADH346S	DC - 20GHz, Voltage Variable Attenuator	C, G8	
Die	HMC8801	C	
	ADH346-701G8	G	
ADH424S	DC - 13GHz, 0.5dB LSB 6-Bit Digital Attenuator	C, LH5, G16	
Die	HMC8802	C	
	ADH424-701LH5	LH5	
	ADH424-701G16	G16	
ADH939S	0.1 - 40 GHz Digital Step Attenuator	C	
Die	ADH939-000C	C	
ADH941S	0.1 - 30 GHz Digital Step Attenuator	C	
Die	ADH941-000C	C	

Detectors & Logarithmic Amplifiers

Product / Description	Orderable Part Number	Package	Note
AD8306S	400 MHz Demodulating Logarithmic Amplifier	F-16	
AD8306AF/QMLR	5962R9864602VXA	F	
AD8306AF/QMLL	5962L9864603VXA	F	
ADL5501S	Tru Pwr RMS Detector 50MHz - 6GHz	L	
ADL5501AL/QMLR	5962R1123901VHA	L	
ADL5501AL/QMLL	5962L1123902VHA	L	
ADL5513S	4 GHz Logarithmic Amplifier	F-16	
ADL5513AF/QMLR	5962R1120301VXA	F	
ADL6010S	Fast Responding, 45 dB Range, 0.5 GHz to 43.5 GHz Envelope Detector	C, LSH6	
	ADL6010R703LSH6	LSH6	
Die	ADL6010R000C	C	
RH5596S	100MHz to 40GHz Linear-in-dB RMS Power Detector	DICE	
Die	RH5596DICE	DICE	4

Gain Block Amplifiers

Product / Description	Orderable Part Number	Package	Note
ADH395S	InGaP HBT Gain Block Amplifier, DC – 4 GHz	G8	
	ADH395-701G8	G	

Low Noise Amplifiers

Product / Description	Orderable Part Number	Package	Note
ADH519S	GaAs PHEMT MMIC LNA, 18 – 31 GHz	LSH6	
	ADH519R701LSH6	LSH6	
ADH8410S	0.01 GHz to 10 GHz, GaAs, pHEMT, MMIC, LNA	LH5, C	
	ADH8410-701LH5	LH5	
Die	ADH8410-000C	C	

Mixers

Product / Description	Orderable Part Number	Package	Note
ADH141S	6 – 18GHz, Double-Balanced Mixer; RF & LO=6-18GHz, IF=DC-6GHz	C	
Die	HMC8804	C	
ADH554S	GaAs Fundamental Mixer, 11 GHz – 18 GHz	LH5	
	ADH554-701LH5	LH5	
ADH1015S	26 GHz – 32 GHz Triple Balanced Mixer; RF = 26 GHz – 32 GHz, LO = 7 GHz – 11 GHz, IF = 16 GHz – 22 GHz	C	
Die	HMC8805	C	

PLLs, VCOs, and Modulators

Product / Description	Orderable Part Number	Package	Note
AD8346S	2.5 GHz Modulator	F-16	
AD8346AF/QMLR	5962R0922701VXA	F	
AD8346AF/QMLL	5962L0922702VXA	F	
ADF4108S	7 GHz PLL Frequency Synthesizer	F-16	
ADF4108L703F	5962L1420401VXA	F	
ADF4108L803F	5962L1420402VXA	F	

Power Amplifiers

Product / Description	Orderable Part Number	Package	Note
ADH451S	GaAs PHEMT Medium Power Amplifier	LH5	
	ADH451-701LH5	LH5	

Prescalers & Frequency Multipliers/Dividers

Product / Description	Orderable Part Number	Package	Note
ADH361S	DC - 13 GHz Divide-by-2	G8	
	ADH361R701G8	G	
ADH363S	DC - 12 GHz Divide-by-8	G8	
	ADH363R701G8	G	
ADH365S	DC to 13 GHz Divide-By-4	G8	
	ADH365R701G8	G8	

Variable Gain Amplifiers

Product / Description	Orderable Part Number	Package	Note
AD8367S	500 MHz Variable Gain Amplifier	F-16	
	AD8367R703F	F	
	AD8367L703F	F	

Notes

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- ⁴ DICE in this context is the same form factor as package type C (bare die)