



Space Qualified Parts List

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Commitment to the Space Market

Analog Devices is committed to serving the needs of the world space community by manufacturing the highest quality data conversion and signal processing products.

Analog Devices' entry into the space level market occurred in August 1990 when it acquired Precision Monolithics Inc. located in Santa Clara, California. Analog Devices' certified facilities have been supplying products for military and space applications since 1972. Analog Devices now offers state-of-the-art, data conversion and linear products to the space market place which were previously only available as commercial or military Class B products.

Analog Devices space level operations located in Greensboro, North Carolina coordinates all space level V (class S) activities, including business development, manufacturing and engineering. The addition of new products is derived from our customers' needs and the ability of these products to meet MIL-PRF-38535 QML level V requirements.

Visit our web site (<http://www.analog.com/aerospace>) or call our factory contacts for the latest Class S updates as well as for radiation information on these and other products.

Analog Devices, Inc. Aerospace Product Line standard product is available in one or more of the following processes:

- **MIL-PRF-38535, QML LEVEL V**
- **MIL-PRF-38535, QML R (LEVEL V with Radiation Qualification)**
- **MIL-PRF-38535, JAN S**
- **MIL-PRF-38535, Analog Devices, Inc.'s Aerospace Product Line Standard Product**

See <http://www.analog.com/aerospace>. (Standard Space Level Products Program)

The table beginning on page 4 lists the standard product offered by Analog Device's Aerospace Product Line.

Product is also available in accordance with source control drawings. Please call factory for further information.

For further information see contact list on cover page.



Analog Devices Space Level Products

Manufacturing Locations

<u>Space Level Compliance</u>	<u>Wafer Fab</u>	<u>Assembly</u>	<u>Screening and Quality Conformance Inspection</u>
MIL-STD-883 Para 1.2.1 Compliant non-QML V Devices	Wilmington QML V	QML V, ADGT Cavite, Philippines	Cavite, Philippines
MIL-STD-883 Para 1.2.2 non-Compliant, non QML V Devices	Greensboro NC(CLD) Limerick Ireland Class B Certified, SEM each Wafer Lot	QML V, ADGT Cavite, Philippines	Cavite, Philippines
ESA 9000 Compliant Products	Wilmington QML V	ESA 9000, Level B ADGT Cavite, Philippines	Cavite, Philippines
Class S Special Flows	Wilmington QML V Limerick Ireland Class B Certified, SEM each Wafer Lot	QML V, ADGT Cavite, Philippines	Cavite, Philippines

The following table lists the standard product available from Analog Devices, Inc. Aerospace Product Line.

Product is also available in accordance with source control drawings.

Please call factory for further information.

Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>Analog to Digital Converters</u>				
AD571S	10-Bit Complete ADC	S	C, D-18	
AD571SD/QMLV	5962-8680203VVA	S	D	
Space Level Die	AD571-000C	S	C	3
AD574S	12-Bit-ADC w/Microprocessor Interface	T, U	C, D-28, F-28	
AD574ATD/QMLV	5962-8512702VXA	T	D	
AD574ATF/QMLV	5962-8512702VZA	T	F	
AD574AUD/QMLV	5962-8512701VXA	U	D	
AD574AUF/QMLV	5962-8512701VZA	U	F	
AD574AUD/QMLR	5962R8512701VXA	U	D	
AD574AUF/QMLR	5962R8512701VZA	U	F	
AD574ATD/QMLR	5962R8512702VXA	T	D	
AD574ATF/QMLR	5962R8512702VZA	T	F	
Space Level Die	AD574-000C	T	C	3
Space Level Die	AD574R000C	T	C	
AD670S	8-Bit Signal Conditioning Single Supply ADC	S	C, D-20	
	AD670-703D	S	D	3
Space Level Die	AD670-000C	S	C	3
AD1671S	12-Bit 1.25 MSPS ADC	S	D-28, F-28	
	AD1671-703D	S	D	3
	AD1671-703F	S	F	3
	AD1671-713F	S	F	3
AD1672S	12-Bit 3 MSPS ADC	S	D-28, F-28	
	AD1672-703F	S	F	
	AD1672-713D	S	D	
AD6645S	14-Bit 80 MSPS ADC	A	QS-52	
AD6645ASQ/QMLR	5962R0423002VXC	A	QS-52	
AD6645ASQ/QMLL	5962L0423003VXC	A	QS-52	
AD9042S	12-Bit 41 MSPS ADC	S	D-28, F-28	
AD9042SD/QMLR	5962R0253801VXA	S	D	
AD9042SF/QMLR	5962R0253801VZA	S	F	
AD9042SF/QMLL	5962L0253802VZA	S	F	
AD9054S	8-Bit 200MSPS ADC		J44	
	AD9054-703J44	S	J44	2, 3
AD9254S	14-Bit 150 MSPS ADC		F-52	
	AD9254R703F	S	F	2, 4
AD9283S	8-Bit 100 MSPS 3.3V ADC	T	RC	
	AD9283-703RC	T	RC	2, 3
<u>Comparators</u>				
AD8561S	7nS Single Comparator	A	Q-8, L	
AD8561AL/QMLV	5962-0051501VHA	A	L	
AD8561AQ/QMLV	5962-0051501VPA	A	Q	
AD8561AL/QMLR	5962R0051501VHA	A	L	
AD8561AQ/QMLR	5962R0051501VPA	A	Q	
AD8561AL/QMLL	5962L0051502VHA	A	L	
PM111S	Precision Voltage Comparator	X	J, Z	
PM111SJ6	JM38510/10304SGA	X	J	
PM111SZ7	JM38510/10304SPA	X	Z	



Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>Comparators Cont...</u>				
PM139S	Quad Low-Power Voltage Comparator	A, X	C, Y, M, RC	
PM139AM/QMLV	5962-8773901VDA	A	M	
PM139ARC/QMLV	5962-8773901V2A	A	RC	
PM139AY/QMLR	5962R8773901VCA	A	Y	
PM139AM/QMLR	5962R8773901VDA	A	M	
PM139ARC/QMLR	5962R8773901V2A	A	RC	
PM139AM/QMLL	5962L8773903VDA	A	M	
Space Level Die	PM139-000C	X	C	3
Space Level Die	PM139R000C	X	C	
<u>Digital to Analog Converters</u>				
AD561S	10-Bit, Current Output	S	C, D-16	
	AD561-703D	S	D	3
Space Level Die	AD561-000C	S	C	3
AD565AS	12-Bit, Current Output, Complete High Speed DAC	S, T	C, D-24	
AD565ASD/QMLV	5962-9689201VJA	S	D	
AD565ATD/QMLV	5962-9689202VJA	T	D	
Space Level Die	AD565-000C	T	C	3
AD667S	12-Bit Microprocessor Compatible DAC	S	C, D-28, F-28	
	AD667-703D	S	D	3
	AD667-703F	S	F	3
	AD667-713F	S	F	3
Space Level Die	AD667-000C	S	C	3
AD768S	16-Bit 30MSPS DAC	A	F-28	
AD768AF/QMLR	5962R0820101VZA	A	F-28	
AD9731S	10-Bit 170MSPS DAC	S	D-28, F-28	
	AD9731-703D	S	D	2, 3
	AD9731-713D	S	D	2, 3
	AD9731-703F	S	F	2, 3
	AD9731-713F	S	F	2, 3
DAC08S	8-Bit High Speed Multiplying DAC	A, X	C, F-16, Q, RC	
DAC08SQ7	JM38510/11301SEA	X	Q	
DAC08SAQ7	JM38510/11302SEA	A	Q	
DAC08AF/QMLR	5962R8993202VFA	A	F	
DAC08AF/QMLL	5962L8993203VFA	A	F	
DAC08AQ/QMLR	5962R8993202VEA	A	Q	
DAC08ARC/QMLR	5962R8993202V2A	A	RC	
DAC08XF/QMLR	5962R8993201VFA	X	F	
DAC08XQ/QMLR	5962R8993201VEA	X	Q	
DAC08XRC/QMLR	5962R8993201V2A	X	RC	
Space Level Die	DAC08-000C	X	C	
Space Level Die	DAC08R000C	X	C	
DAC100S	10-Bit Current Output DAC	BC	Q	
	DAC100-703Q	BC	Q	3
	DAC100-713Q	BC	Q	3



Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>Current Sense Amplifiers</u>				
AD8210S	Bidirectional Current Shunt Monitor	A	F	
AD8210AF/QMLR	5962R1223301VXA	A	F	
AD8212S	High Voltage Current Shunt Monitor	A	L	
AD8212AL/QMLR	5962R0924401VHA	A	L	
AD8212AL/QMLL	5962L0924402VHA	A	L	
<u>Logarithmic Amplifiers</u>				
ADL5513S	4 Ghz Logarithmic Amplifier	A	F-16	
ADL5513AF/QMLR	5962R1120301VXA	A	F	
AD8306S	400 MHz Demodulating Log Amp	A	F-16	
AD8306AF/QMLR	5962R9864602VXA	A	F	
AD8306AF/QMLL	5962L9864603VXA	A	F	
<u>Instrumentation Amplifiers</u>				
AD524S	Instrumentation Amplifier	S	D-16, E-20	
AD524SE/QMLV	5962-8853901V2A	S	E	
AD524SD/QMLR	5962R8853901VEA	S	D	
AD524SE/QMLR	5962R8853901V2A	S	E	
AMP01S	Low-Noise Precision Instrumentation Amp	A, X	C, N, D-18,TC	
AMP01AD/QMLV	5962-8863001VVA	A	D	
AMP01ATC/QMLV	5962-8863001V3A	A	TC	
AMP01D/QMLV	5962-8863003VVA	X	D	
AMP01N/QMLV	5962-8863003VKA	X	N	
AMP01TC/QMLV	5962-8863003V3A	X	TC	
Space Level Die	AMP01-000C	X	C	3
AD8229S	Low-Noise Instrumentation Amp	S	F-14	
	AD8229R703F	S	F	
<u>Multipliers</u>				
AD534S	Internally Trimmed Precision IC Multiplier	T	C, D-14, H-10	
AD534TD/QMLV	5962-9053701VCA	T	D	
AD534TH/QMLV	5962-9053701VIA	T	H	
Space Level Die	AD534-000C	T	C	3
<u>Variable Gain Amplifiers</u>				
AD8367S	500 MHz, Variable Gain Amplifier	S	F-16	
	AD8367R703F	S	F	
	AD8367L703F	S	F	
<u>Operational Amplifiers</u>				
AD648S	Dual Precision, Low Power BiFET Op Amp	S, T	H-8, Q-8	
AD648SH/QMLV	5962-9753501VGA	S	H	
AD648SQ/QMLV	5962-9753501VPA	S	Q	
AD648TH/QMLV	5962-9753502VGA	T	H	
AD648TQ/QMLV	5962-9753502VPA	T	Q	

Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>Operational Amplifiers Cont...</u>				
AD844S	60 MHz, 2000V/μS Op Amp	S	Q-8	
AD844SQ/QMLV	5962-8964401VPA	S	Q	
AD844SQ/QMLR	5962R8964401VPA	S	Q	
AD844SQ/QMLL	5962L8964402VPA	S	Q	
AD847S	High Speed, Low Power Op Amp	S	Q-8	
	AD847-703Q	S	Q	
AD8001S	800 MHz, 50mW Current Feedback Amplifier	S	Q-8, L	
AD8001SQ/QMLV	5962-9459301VPA	S	Q	
AD8001SL/QMLV	5962-9459301VHA	S	L	
AD8001SQ/QMLR	5962R9459301VPA	S	Q	
AD8001SL/QMLR	5962R9459301VHA	S	L	
AD8001SL/QMLL	5962L9459302VHA	S	L	
AD8041S	160 MHz Rail-to-Rail Amplifier with Disable	S	C, Q-8, L	
AD8041SQ/QMLR	5962R9683902VPA	S	Q	
AD8041SL/QMLR	5962R9683902VHA	S	L	
AD8041SL/QMLL	5962L9683903VHA	S	L	
AD8041-000C	Space Level Die	S	C	
AD8138S	320 MHz Low Distortion Differential Amp	A	L	
AD8138AL/QMLR	5962R0922001VHA	A	L	
AD8138AL/QMLL	5962L0922002VHA	A	L	
AD8351S	Low Distortion Fully Differential Amplifier	A	RC	
AD8351ARC/QMLR	5962R0821801V2A	A	RC	
AD8351ARC/QMLL	5962L0821802V2A	A	RC	
AD8629S	Dual Low Offset Precision Amp	S	L	
	AD8629D703L	S	L	2, 4
AD8671S	Low Noise, Low Input Bias Current, Low Offset	A	L	
AD8671AL/QMLL	5962L0922301VHA	A	L	
ADA4084-2S	Dual Low Noise, R-R I/O, Low Power Amp	A	F	
ADA4084AF/QMLR	5962R1324501VXA	A	F	
ADA4096S	Dual Micropower Op Amp	S	F	
	ADA4096R703F	S	F	
ADA4610S	Dual Low Input Bias Op Amp	S	F	
	ADA4610R703F	S	F	
OP07S	Ultra Low Offset Voltage Op Amp	A, X	C, J, L, Z	
OP07SAJ6	JM38510/13501SGA	A	J	
OP07SAZ7	JM38510/13501SPA	A	Z	
OP07SJ6	JM38510/13502SGA	X	J	
OP07SZ7	JM38510/13502SPA	X	Z	
OP07AJ/QMLR	5962R9863901VGA	A	J	
OP07AL/QMLR	5962R9863901VHA	A	L	
OP07AZ/QMLR	5962R9863901VPA	A	Z	
Space Level Die	OP07-000C	A	C	3
Space Level Die	OP07R000C	A	C	
OP11S	Quad Matched 741-Type Op Amp	A	C, M, Y	
OP11AM/QMLV	5962-8980101VDA	A	M	
OP11AY/QMLV	5962-8980101VCA	A	Y	
Space Level Die	OP11-000C	A	C	3
OP12S	Precision Low Input Current Op Amp	A	C	
Space Level Die	OP12-000C	A	C	3

Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>Operational Amplifiers Cont...</u>				
OP15S	Precision JFET-Input Op Amp	A	J, L, Z	
	OP15AJ/QMLR 5962R8954203VGA	A	J	
	OP15AL/QMLR 5962R8954203VHA	A	L	
	OP15AZ/QMLR 5962R8954203VPA	A	Z	
OP16S	Precision JFET-Input Op Amp	A	J, Z	
	OP16AJ/QMLR 5962R8954304VGA	A	J	
	OP16AZ/QMLR 5962R8954304VPA	A	Z	
OP22S	Programmable Micro Power Op Amp	A	J	
	OP22-903J	A	J	3
OP27S	Low Noise Precision Op Amp	A	C, J, L, RC, Z	
	OP27SAJ6 MIL-M-38510/13503SGA	A	J	
	OP27SAZ7 MIL-M-38510/13503SPA	A	Z	
	OP27AJ/QMLR 5962R9468002VGA	A	J	
	OP27AL/QMLR 5962R9468002VHA	A	L	
	OP27ARC/QMLR 5962R9468002V2A	A	RC	
	OP27AZ/QMLR 5962R9468002VPA	A	Z	
	OP27AL/QMLL 5962L9468003VHA	A	L	
	Space Level Die OP27-000C	A	C	3
	Space Level Die OP27R000C	A	C	
OP37S	Low Noise Precision High Speed Op Amp	A	J, Z	
	OP37AJ/QMLV 5962-8853701VGA	A	J	
	OP37AZ/QMLV 5962-8853701VPA	A	Z	
OP42S	Hi Speed, Fast Settling Precision JFET-Input	A	J, Z	
	OP42AJ/QMLV 5962-8851301VGA	A	J	
	OP42AZ/QMLV 5962-8851301VPA	A	Z	
OP77S	Next Generation OP07	A	J, L, RC, Z	
	OP77AJ/QMLV 5962-8773802VGA	A	J	
	OP77AL/QMLV 5962-8773802VHA	A	L	
	OP77ARC/QMLV 5962-8773802V2A	A	RC	
	OP77AZ/QMLV 5962-8773802VPA	A	Z	
OP200S	Dual Low-Offset, Low Power Op Amp	A	RC, Z	
	OP200ARC/QMLV 5962-8859301V2A	A	RC	
	OP200AZ/QMLV 5962-8859301VPA	A	Z	
OP207S	Dual Ultra-Low VOS Matched Op Amp	A	Y	
	OP207AY/QMLR 5962R0821401VCA	A	Y	
OP215S	Dual Precision JFET Input Op Amp	A	C, J, RC, Z	
	OP215AJ/QMLV 5962-8853801VGA	A	J	
	OP215AZ/QMLV 5962-8853801VPA	A	Z	
	OP215AJ/QMLR 5962R8853801VGA	A	J	
	OP215AZ/QMLR 5962R8853801VPA	A	Z	
	OP215ARC/QMLR 5962R8853804V2A	A	RC	
	Space Level Die OP215-000C	A	C	3
	Space Level Die OP215R000C	A	C	
OP227S	Dual Low Noise Low Offset Inst. Op Amp	A	Y, M	
	OP227R903Y	A	Y	
	OP227R903M	A	M	

Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>Operational Amplifiers Cont...</u>				
OP270S	Dual Very Low Noise Precision Op Amp	A	C, RC, Z, M	
OP270AZ/QMLV	5962-8872101VPA	A	Z	
OP270AM/QMLV	5962-8872101VDA	A	M	
OP270ARC/QMLV	5962-8872101V2A	A	RC	
OP270AZ/QMLR	5962R8872101VPA	A	Z	
OP270AM/QMLR	5962R8872101VDA	A	M	
OP270ARC/QMLR	5962R8872101V2A	A	RC	
Space Level Die	OP270-000C	A	C	3
Space Level Die	OP270R000C	A	C	
OP400S	Quad Low-Offset, Low-Power Op Amp	A	C, N, TC, Y	
OP400AN/QMLV	5962-8777101VKA	A	N	
OP400ATC/QMLV	5962-8777101V3A	A	TC	
OP400AY/QMLV	5962-8777101VCA	A	Y	
Space Level Die	OP400-000C	A	C	3
OP467S	Quad High-Speed Precision Op Amp	A	RC, Y, M	
OP467ARC/QMLV	5962-9325801V2A	A	RC	
OP467AM/QMLR	5962R9325801VDA	A	M	
OP467AY/QMLR	5962R9325801VCA	A	Y	
OP470S	Very Low-Noise Quad Op Amp	A	C, N, RC, TC, Y	
OP470ARC/QMLV	5962-8856501V2A	A	RC	
OP470AY/QMLV	5962-8856501VCA	A	Y	
OP470ARC/QMLR	5962R8856501V2A	A	RC	
OP470AN/QMLR	5962R8856501VKA	A	N	
OP470AY/QMLR	5962R8856501VCA	A	Y	
OP470AY/QMLL	5962L8856503VCA	A	Y	
	OP470-903TC	A	TC	3
Space Level Die	OP470-000C	A	C	3
Space Level Die	OP470R000C	A	C	
OP471S	High Speed Low Noise Quad Op Amp	A	M, N, Y	
OP471AN/QMLV	5962-8856502VKA	A	N	
OP471AM/QMLR	5962R8856502VDA	A	M	
OP471AN/QMLR	5962R8856502VKA	A	N	
OP471AY/QMLR	5962R8856502VCA	A	Y	
OP471AM/QMLL	5962L8856504VDA	A	M	
OP484S	Precision, Rail to Rail IP/OP Op Amp	A	C, Y, M	
OP484AY/QMLV	5962-0051701VCA	A	Y	
OP484AM/QMLV	5962-0051701VDA	A	M	
OP484AY/QMLR	5962R0051701VCA	A	Y	
OP484AM/QMLR	5962R0051701VDA	A	M	
OP484AM/QMLL	5962L0051702VDA	A	M	
Space Level Die	OP484-000C	A	C	3
Space Level Die	OP484R000C	A	C	
PM108S	Low Input Current Op Amp	A	C, J, L, Z	
PM108SAJ6	JM38510/10104SGA	A	J	
PM108AJ/QMLR	5962R9863701VGA	A	J	
PM108AL/QMLR	5962R9863701VHA	A	L	
PM108AZ/QMLR	5962R9863701VPA	A	Z	
Space Level Die	PM108-000C	A	C	3
Space Level Die	PM108R000C	A	C	



Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>Operational Amplifiers Cont...</u>				
PM155S	Monolithic JFET Input Op Amp	A, X	J, Z	
	PM155SAJ6 JM38510/11404SGA	A	J	
	PM155SAZ7 JM38510/11404SPA	A	Z	
	PM155AJ/QMLR 5962R9863601VGA	A	J	
	PM155AZ/QMLR 5962R9863601VPA	A	Z	
PM156S	Monolithic JFET Input Op Amp	A, X	J, Z	
	PM156SJ6 JM38510/11402SGA	X	J	
	PM156SZ7 JM38510/11402SPA	X	Z	
	PM156SAJ6 JM38510/11405SGA	A	J	
	PM156SAZ7 JM38510/11405SPA	A	Z	
	PM156AJ/QMLR 5962R9863602VGA	A	J	
	PM156AZ/QMLR 5962R9863602VPA	A	Z	
<u>Voltage References</u>				
AD584S	Pin Programmable Precision Voltage Ref	S, T	H-8	
	AD584SH/QMLV 5962-3812801VGA	S	H	
	AD584TH/QMLV 5962-3812802VGA	T	H	
	AD584SH/QMLR 5962R3812801VGA	S	H	
	AD584TH/QMLR 5962R3812802VGA	T	H	
	AD584TH/QMLL 5962L3812805VGA	T	H	
AD589S	Precision 1.2 Volt IC Reference	T	H-2	
	AD589TH/QMLV 5962-8992901VXA	T	H	
AD780S	2.5V Precision Bandgap Voltage Reference	A	F-10	
	AD780AF/QMLR 5962R9463602VXA	A	F	
REF01S	+10V Precision Voltage Reference	A	J, L, RC, Z	
	REF01AJ/QMLV 5962-8958101VGA	A	J	
	REF01ARC/QMLV 5962-8958101V2A	A	RC	
	REF01AZ/QMLV 5962-8958101VPA	A	Z	
	REF01AJ/QMLR 5962R8958101VGA	A	J	
	REF01AL/QMLR 5962R8958101VHA	A	L	
	REF01ARC/QMLR 5962R8958101V2A	A	RC	
	REF01AZ/QMLR 5962R8958101VPA	A	Z	
	REF01AL/QMLL 5962L8958105VHA	A	L	
	Space Level Die REF01-000C	A	C	3
	Space Level Die REF01R000C	A	C	
REF02S	+5V Precision Volt Ref./Temp. Transducer	A	C, J, L, RC, Z	
	REF02AJ/QMLV 5962-8551401VGA	A	J	
	REF02AL/QMLV 5962-8551401VHA	A	L	
	REF02ARC/QMLV 5962-8551401V2A	A	RC	
	REF02AZ/QMLV 5962-8551401VPA	A	Z	
	REF02AJ/QMLR 5962R8551401VGA	A	J	
	REF02AL/QMLR 5962R8551401VHA	A	L	
	REF02ARC/QMLR 5962R85514 01V2A	A	RC	
	REF02AZ/QMLR 5962R8551401VPA	A	Z	
	REF02AL/QMLL 5962L8551405VHA	A	L	
	Space Level Die REF02-000C	A	C	3
	Space Level Die REF02R000C	A	C	

Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>Voltage References Cont...</u>				
REF05S	+5V Precision Voltage Reference	A	J, L, Z	
REF05AJ/QMLR	5962R0051601VGA	A	J	
REF05AL/QMLR	5962R0051601VHA	A	L	
REF05AZ/QMLR	5962R0051601VPA	A	Z	
REF05AL/QMLL	5962L0051602VHA	A	L	
REF10S	+10V Precision Voltage Reference	A	J, L	
REF10AJ/QMLR	5962R8947901VGA	A	J	
REF10AL/QMLR	5962R8947901VHA	A	L	
REF10AL/QMLL	5962L8947903VHA	A	L	
REF43S	+2.5V Low-Power Precision Voltage Ref	B	J, L, RC, Z	
	REF43-803J	B	J	3
	REF43-803L	B	L	3
	REF43-803RC	B	RC	3
	REF43-803Z	B	Z	3
	REF43R803J	B	J	
	REF43R803L	B	L	
	REF43R803RC	B	RC	
	REF43R803Z	B	Z	
<u>Switches and Multiplexers</u>				
AD8182S	Dual 2:1 Buffered Mux	A	M	
AD8182AM/QMLR	5962R1021101VDA	A	M	
AD8182AM/QMLL	5962L1021102VDA	A	M	
ADG201S	LCMOS Hi-speed QUAD SPST Switches	T	Q-16	
	ADG201-803Q	T	Q	2, 3
MUX08S	8-Channel JFET Analog Mux	A	Q	
	MUX08-913Q	A	Q	3
SW201S	Quad SPST JFET Analog Switch	B	Q	
	SW201-803Q	B	Q	3
<u>Sample-and-Hold Amplifiers</u>				
AD585S	Hi Speed, Precision Sample-and-Hold Amp	S	M	
	AD585-703M	S	M	3
	AD585-713M	S	M	3
SMP11S	Low Droop Rate/Accurate Sample/Hold Amp	B	Y	
	SMP11-803Y	B	Y	3
<u>RF / IF IC's</u>				
ADL5501S	Tru Pwr RMS Detector 50MHz - 4GHz	A	L	
ADL5501AL/QMLR	5962R1123901VHA	A	L	
ADL5501AL/QMLL	5962L1123902VHA	A	L	
ADL5513S	4 Ghz Log Amp	A	F	
ADL5513AF/QMLR	5962R1120301VXA	A	F	
AD8346S	2.5 GHz Modulator	A	F	
AD8346AF/QMLR	5962R0922701VXA	A	F	
AD8346AF/QMLL	5962L0922702VXA	A	F	



Product / Description	Part Number ³	Electrical Grade	Package ¹	Note
<u>RF / IF IC's Cont...</u>				
ADF4108S	7 Ghz PLL Frequency Synthesizer	A,B	F-16	
	ADF4108L703F	A	F-16	
ADF4108AF/QMLL	5962L1420401VXA	A	F-16	
ADF4108BF/QMLL	5962L1420402VXA	B	F-16	
<u>Clock Generation & Distribution</u>				
ADCLK925S	ECL Clock/Data Fanout Buffer	A	F	
ADCLK925AF/QMLR	5962R1320501VXA	A	F	
<u>Other Functions</u>				
AD2S80AS	Variable Resolution Resolver-to-Digital Converter	S	D-40	
	AD2S80-703D	S	D	3
AD537S	Voltage to Frequency Converter, +/-30V to 150kHz	S	D-14	
	AD537-703D	S	D-14	2, 3
AD590S	2 Terminal Temperature Transducer, 1uA/°K	L, M	H-3, F-2	
AD590LF/QMLV	5962-8757103VXA	L	F	
AD590LH/QMLV	5962-8757103VYA	L	H	
AD590MF/QMLV	5962-8757104VXA	M	F	
AD590MF/QMLR	5962R8757104VXA	M	F	
AD590MH/QMLR	5962R8757104VYA	M	H	
AD590LF/QMLR	5962R8757103VXA	L	F	
AD590LH/QMLR	5962R8757103VYA	L	H	
AD590MH/QMLL	5962L8757105VYA	M	H	
AD652S	Synchronous Voltage to Frequency Conv	S	Q-16	
AD652SQ/QMLV	5962-9322201VEA	S	Q-16	
AD9814S	14-Bit, 3-Channel CCD Signal Processor		F-28	
	AD9814-703F		F-28	2, 3
MAT02S	Low Noise, Matched Dual NPN Transistor	A	C, H	
	MAT02-903H	A	H	3
Space Level Die	MAT02-000C	A	C	3
MAT03S	Low Noise, Matched Dual PNP Transistor	A	C, L	
	MAT03-903L	A	L	3
Space Level Die	MAT03-000C	A	C	3

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¹ See package descriptions on last page.

² Not available with wafer lot acceptance. Available as MIL-STD 883 Class B Dice plus SEM and Test Method 2010 Condition A Visual only.

³ Part Numbers in this column containing “-“may utilize a “-“or “0” in product documentation, shipping and/or purchasing documents.

⁴ 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.



Space Products Package Information

* 1. Package Option Key

C	Dice
D-xx -	Side Brazed Hermetic DIP
E -	Ceramic Leadless Chip Carrier
F -	Bottom Brazed Ceramic Dual Flat Pack (2, 10, 14, 16, & 28 Lead)
F-52C -	52 Lead Ceramic Quad Flat Pack
QS-52 -	52-Lead Quad Flat Pack
H -	6 lead TO-99 Can (Santa Clara Based Product)
H-xx	Hermetic Metal Can (Other Analog Divisions)
J -	8-Lead TO-99 Can
L -	10-Lead Glass Seal Ceramic Dual Flat Pack
M -	14-Lead Glass Seal Ceramic Dual Flat Pack
N -	24-Lead Glass Seal Ceramic Dual Flat Pack
Q -	16-Lead Cerdip (Santa Clara Based Product)
Q-xx -	Cerdip (Other Analog Divisions)
R -	20-Lead Ceramic Dip
RC -	20-Lead Leadless Chip Carrier
TC -	28-Lead Leadless Chip Carrier
T -	28-Lead Ceramic Glass Seal Dip
X -	18-Lead Ceramic Glass Seal Dip
Y -	14 Lead Ceramic Glass Seal Dip
Z -	8-Lead Ceramic Glass Seal Dip

* Call factory for availability of products/packages not in this parts list.