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Recommended Analog Devices Military Grade Part Cross-Reference

MARCH 1997

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This cross-reference guide lists the recommended Analog Devices military grade replacement for products manufactured by AMD, Burr-Brown, Elantec, Motorola, and Philips. This guide covers 'direct replacement' products from Analog Devices and those with minor specification differences. This guide also lists the complete manufacturer's model number and generic functional description.

Analog Devices has been committed to supporting our military and aerospace customers for three decades, and we plan to continue and enhance our support long into the future. While other suppliers have abandoned this market, we have expanded our military offerings and broadened our product portfolio to span the entire signal chain -- from precision sensors, signal conditioners, and data converters to microprocessor interface solutions and digital signal processors.

We are committed to continued leadership in meeting the unique demands and challenges of signal processing and, most importantly, our customers.

The best way to avoid the problems associated with finding replacements for discontinued military products is to design-in parts from ***Analog Devices - the leader in military IC signal processing.***

MFR	MFR PN	FUNCTION	RECOMMENDED ADI MILITARY GRADE PART	COMMENTS
AMD:				
	AM6685/BEA	Comp	8600804EA AD96685TQ/883B	Direct Replacement
	AM6685/BIA	Comp	8600804IA AD96685TH/883B	Direct Replacement
	AM6685/BIC	Comp	8600804IA AD96685TH/883B	Direct Replacement
	AM6685XM	Comp	86008042A AD96685TE/883B	Slight spec difference
	AM6687/BEA	Comp	7801903EA AD96687TQ/883B	Direct Replacement
	AM685XL	Comp	86008042A AD96685TE/883B	Direct Replacement
	AM685XM	Comp	86008042A AD96685TE/883B	Direct Replacement
	AM687/BEA	Comp	7801903EA AD96687TQ/883B	Direct Replacement
	AM687A/BEA	Comp	7801903EA AD96687TQ/883B	Direct Replacement
	AM687A/LMC	Comp	78019032A AD96687TE/883B	Direct Replacement
	AM687ALMB	Comp	78019032A AD96687TE/883B	Slight spec difference
	AM687AXM	Comp	78019032A AD96687TE/883B	Slight spec difference
	AM687LMB	Comp	78019032A AD96687TE/883B	Direct Replacement
	AM687XM	Comp	78019032A AD96687TE/883B	Direct Replacement
Burr-Brown:				
	3550L	Op Amp	5962-8851301GA OP42AJ/883C	Slight spec difference
	3551S	Op Amp	5962-9098001MXA AD843SH/883B	Slight spec difference
	AD532SD/883B	Op Amp	AD532SD/883B	Direct Replacement
	AD532SH/883B	Op Amp	AD532SH/883B	Direct Replacement
	AD534SD/883B	Op Amp	AD534SD/883B	Direct Replacement
	AD534SH/883B	Op Amp	AD534SH/883B	Direct Replacement
	AD534TD/883B	Op Amp	AD534TD/883B	Direct Replacement
	AD534TH/883B	Op Amp	AD534TH/883B	Direct Replacement

MFR	MFR PN	FUNCTION	RECOMMENDED ADI MILITARY GRADE PART	COMMENTS
Burr-Brown (continued):				
	AD632SD	Multiplier	AD632SD/883B	Direct Replacement
	AD632SD/883B	Multiplier	AD632SD/883B	Direct Replacement
	AD632SH	Multiplier	AD632SH/883B	Direct Replacement
	AD632SH/883B	Multiplier	AD632SH/883B	Direct Replacement
	AD632TD	Multiplier	AD632TD/883B	Direct Replacement
	AD632TD/883B	Multiplier	AD632TD/883B	Direct Replacement
	AD632TH	Multiplier	AD632TH/883B	Direct Replacement
	AD632TH/883B	Multiplier	AD632TH/883B	Direct Replacement
	ADC574ASH	ADC	AD574ASD/883B	Direct Replacement
	ADC574ATD/883B	ADC	5962-8512702XA AD574ATD/883B	Direct Replacement
	ADC574ATH	ADC	5962-8512702XA AD574ATD/883B JM38510/14002BXA	Direct Replacement
	ADC674ASD/883B	ADC	5962-9169003MXA AD674BTD/883B	Direct Replacement
	ADC674ASH	ADC	5962-9169003MXA AD674BTD/883B	Direct Replacement
	ADC674ATD/883B	ADC	5962-9169003MXA AD674BTD/883B	Direct Replacement
	ADC674ATH	ADC	5962-9169003MXA AD674BTD/883B	Direct Replacement
	DAC7541ASH-BI	DAC	5962-8948101VX AD7541ASQ/883B	Direct Replacement
	DAC7541ATH-BI	DAC	5962-8948102VX AD7541ATQ/883B	Direct Replacement
	DAC87HCBI-V	DAC	ADDAC87CBI-V/883B	Direct Replacement
	DAC87HCBI-V-BI	DAC	ADDAC87CBI-V/883B	Direct Replacement
	DAC87HCBI-V/QM	DAC	ADDAC87CBI-V/883B	Direct Replacement
	MPY100SG	Multiplier	AD632TD/883B	Direct Replacement
	MPY100SM	Multiplier	AD632TH/883B	Direct Replacement
	MPY534SD	Multiplier	AD534SD/883B JM38510/13902BCA	Direct Replacement
	MPY534SH	Multiplier	AD534SH/883B JM38510/13902BIA	Direct Replacement

MFR	MFR PN	FUNCTION	RECOMMENDED ADI MILITARY GRADE PART	COMMENTS
Burr-Brown (continued):				
	MPY534TD	Multiplier	AD534TD/883B JM38510/13901BCA	Direct Replacement
	MPY534TH	Multiplier	AD534TH/883B JM38510/13901BIA	Direct Replacement
	OP27AJ	Op Amp	JM38510/13503BGA OP27AJ/883C	Direct Replacement
	OP27AZ	Op Amp	JM38510/13503BPA OP27AZ/883C	Direct Replacement
	OP27BJ	Op Amp	OP27BJ/883C	Direct Replacement
	OP37AJ	Op Amp	5962-8853701GA OP37AJ/883C	Direct Replacement
	OP37AZ	Op Amp	5962-8853701PA OP37AZ/883C	Direct Replacement
	OP37BZ	Op Amp	5962-8853702PA OP37BZ/883C	Direct Replacement
	OPA111SM	Op Amp	AD645SH/883B	Slight spec difference
	OPA128SM	Op Amp	AD549SH/883B	Slight spec difference
	OPA156AM	Op Amp	5962-8954201GA OP15AJ/883C	Slight spec difference
	OPA2111SM	Op Amp	AD648TH/883B	Slight spec difference
	OPA404SG	Op Amp	5962-9063301MCA AD713SQ/883B	SS- cer, ADI- sbrazed
	OPA623SG	Op Amp	5962-9459301MPA	Slight spec difference
	OPA644HS	Op Amp	5962-9459301MPA	Slight spec difference
	REF10PB	Volt. Ref	REF10AJ/883C	Direct Replacement
	REF1M	Volt. Ref	5962-8958101GA REF01AJ/883C	Direct Replacement
	REF2M	Volt. Ref	8551401GA REF02AJ/883C	Direct Replacement
	REF5PB	Volt. Ref	REF05AJ/883C	Direct Replacement
	REF5UB	Volt. Ref	REF05BJ/883C	Direct Replacement
	VFC100SG	VFC	5962-9322201MEA AD652SQ/883B	Slight spec difference
	VFC32SM	VFC	ADVFC32SH/883B	Slight spec difference
Comlinear:				
	CLC200A8C	Op Amp	5962-8991101 AD9610TH/883B	Slight spec difference

MFR	MFR PN	FUNCTION	RECOMMENDED ADI MILITARY GRADE PART	COMMENTS
Comlinear (continued):				
	CLC201A8C	Op Amp	5962-8991101 AD9610TH/883B	Slight spec difference
	CLC207A8C	Op Amp	5962-8991101 AD9610TH/883B	Slight spec difference
	CLC400A8D	Op Amp	5962-9086801MPA AD9617SQ/883B	Slight spec difference
	CLC401A8B	Op Amp	5962-9086803MPA AD9618SQ/883B	Slight spec difference
	CLC401A8D	Op Amp	5962-9086803MPA AD9618SQ/883B	Slight spec difference
	CLC402A8B	Op Amp	5962-9086801MPA AD9617SQ/883B	Slight spec difference
	CLC402A8D	Op Amp	5962-9086801MPA AD9617SQ/883B	Slight spec difference
	CLC406A8D	Op Amp	5962-9459301MPA	Slight spec difference
	CLC409A8D	Op Amp	5962-9459301MPA	Slight spec difference
	CLC410A8B	Op Amp	5962-9313201MPA	Slight spec difference
	CLC410A8D	Op Amp	5962-9313201MPA	Slight spec difference
	CLC430A8B	Op Amp	5962-9313201MPA	Slight spec difference
	CLC430AIB	Op Amp	5962-9313201MPA	Slight spec difference
	CLC430AID	Op Amp	5962-9313201MPA	Slight spec difference
Elantec:				
	EHA12539 /883B	Op Amp	AD5539SQ/883B	Slight spec difference
	EHA12539-2	Op Amp	AD5539SQ/883B	Slight spec difference
	EHA12540 /883B	Op Amp	5962-8964001CA AD840SQ/883B	Direct Replacement
	EHA12540-2	Op Amp	5962-8964001CA AD840SQ/883B	Direct Replacement
	EHA15190 /883B	Op Amp	5962-8964201CA AD842SQ/883B	Direct Replacement
	EHA15190-2	Op Amp	5962-8964201CA AD842SQ/883B	Direct Replacement
	EHA22500 /883B	Op Amp	AD744TH/883B	Slight spec difference
	EHA22500-2	Op Amp	AD744TH/883B	Slight spec difference
	EHA22600 /883B	Op Amp	AD711SQ/883B	Slight spec difference
	EHA25190 /883B	Op Amp	5962-8964201XA	Direct Replacement

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Elantec (continued):				
	EHA25190-2	Op Amp	5962-8964201XA	Direct Replacement
	EHA42540 /883B	Op Amp	5962-89640012A AD840SE/883B	Direct Replacement
	EHA45190 /883B	Op Amp	5962-89642012A AD842SE/883B	Direct Replacement
	EHA72600 /883B	Op Amp	AD711SQ/883B	Slight spec difference
	EHA72600-2	Op Amp	AD711SQ/883B	Slight spec difference
	EHA72602 /883B	Op Amp	AD711SQ/883B	Slight spec difference
	EHA72602-2	Op Amp	AD711SQ/883B	Slight spec difference
	EL2020J	Op Amp	5962-9313201MPA	Direct Replacement
	EL2020J/883B	Op Amp	5962-9313201MPA	Direct Replacement
	EL2028J	Op Amp	5962-8964101CA AD841SQ/883B	Direct Replacement
	EL2028J/883B	Op Amp	5962-8964101CA AD841SQ/883B	Direct Replacement
	EL2030J	Op Amp	5962-9313101MPA AD811SQ/883B	Slight spec difference
	EL2030J/883B	Op Amp	5962-9313101MPA AD811SQ/883B	Slight spec difference
	EL2039J	Op Amp	AD5539SQ/883B	Slight spec difference
	EL2039J/883B	Op Amp	AD5539SQ/883B	Slight spec difference
	EL2040J	Op Amp	5962-8964001CA AD840SQ/883B	Direct Replacement
	EL2040J/883B	Op Amp	5962-8964001CA AD840SQ/883B	Direct Replacement
	EL2040L/883B	Op Amp	5962-89640012A AD840SE/883B	Direct Replacement
	EL2041G	Op Amp	AD841SH/883B	Direct Replacement
	EL2041G/883B	Op Amp	AD841SH/883B	Direct Replacement
	EL2041J	Op Amp	5962-8964101CA AD841SQ/883B	Direct Replacement
	EL2041J/883B	Op Amp	5962-8964101CA AD841SQ/883B	Direct Replacement
	EL2071J/883B	Op Amp	5962-9313101MPA AD811SQ/883B	Slight spec difference
	EL2171J/883B	Op Amp	5962-9086803MPA AD9618SQ/883B	Slight spec difference
	EL2190G	Op Amp	5962-8964201XA	Direct Replacement

MFR	MFR PN	FUNCTION	RECOMMENDED ADI MILITARY GRADE PART	COMMENTS
Elantec (continued):				
	EL2190G/883B	Op Amp	5962-8964201XA	Direct Replacement
	EL2190J	Op Amp	5962-8964201CA AD842SQ/883B	Direct Replacement
	EL2190J/883B	Op Amp	5962-8964201CA AD842SQ/883B	Direct Replacement
	EL2190L/883B	Op Amp	5962-89642012A AD842SE/883B	Direct Replacement
	EL2195CG	Op Amp	5962-8964201XA	Direct Replacement
	EL2223J	Op Amp	5962-9211701MPA AD827SQ/883B	Slight spec difference
	EL2223J/883B	Op Amp	5962-9211701MPA AD827SQ/883B	Slight spec difference
	EL2223L/883B	Op Amp	5962-9211701M2A AD827SE/883B	Slight spec difference
	EL2232J	Op Amp	5962-9053601PA OP260AZ/883C	Slight spec difference
	EL2232J/883B	Op Amp	OP260AZ/883C	Slight spec difference
	EL400J/883B	Op Amp	5962-9086801MPA AD9617SQ/883B	Slight spec difference
	ELH32G	Op Amp	5962-8964201XA	Slight spec difference
	ELH32G/883B	Op Amp	5962-8964201XA	Slight spec difference
Motorola:				
	LM111H	Comp	JM38510/10304BGA PM111J/883C	Direct Replacement
	LM285Z1.2	Volt. Ref	AD589SH/883B	Slight spec difference
	MC1503U	Volt. Ref	5962-9060301PA REF43BZ/883C	Direct Replacement
	MC1504U10	Volt. Ref	5962-8958101PA REF01AZ/883C	Direct Replacement
	MC1504U5	Volt. Ref	8551401PA REF02AZ/883C	Slight spec difference
	MC34004BL	Op Amp	5962-9458101MCA	Direct Replacement
	MC34004L	Op Amp	5962-9458101MCA	Direct Replacement
	MC35001AU	Op Amp	AD711SQ/883B	Direct Replacement
	MC35001BU	Op Amp	AD711SQ/883B	Direct Replacement
	MC35001U	Op Amp	AD711SQ/883B	Direct Replacement
	MC35002AU	Op Amp	AD712SQ/883B	Direct Replacement

MFR	MFR PN	FUNCTION	RECOMMENDED ADI MILITARY GRADE PART	COMMENTS
Motorola (continued):				
	MC35002BU	Op Amp	AD712SQ/883B	Direct Replacement
	MC35002U	Op Amp	AD712SQ/883B	Direct Replacement
	MC35081AU	Op Amp	AD711TQ/883B	Slight spec difference
	MC35081U	Op Amp	AD711SQ/883B	Slight spec difference
	MC35082AL	Op Amp	AD712TQ/883B	Slight spec difference
	MC35082L	Op Amp	AD712SQ/883B	Slight spec difference
	MC35174U	Op Amp	5962-9458101MCA	Slight spec difference
	MC35184L	Op Amp	5962-9458101MCA	Slight spec difference
	OP27AZ	Op Amp	JM38510/13503BPA OP27AZ/883C	Direct Replacement
	TL64MJG	Op Amp	5962-9458101MCA	Direct Replacement
	TL71MJG	Op Amp	AD711SQ/883B	Direct Replacement
	TL72MJG	Op Amp	AD712SQ/883B	Direct Replacement
	TL74MJG	Op Amp	5962-9063301MCA AD713SQ/883B	Direct Replacement
	TL81MJG	Op Amp	AD711SQ/883B	Direct Replacement
	TL82MJG	Op Amp	AD712SQ/883B	Direct Replacement
	TL84MJG	Op Amp	5962-9063301MCA AD713SQ/883B	Direct Replacement
Philips:				
	ADC820BSEF	ADC	5962-8865002RX AD7820TQ/883B	Direct Replacement
	ADC820CSEF	ADC	5962-8865001RX AD7820UQ/883B	Direct Replacement
	AU2901D	Comp	5962-8990403CA CMP04BY/883C	Slight spec difference
	DAC8AF	ADC	DAC08AQ/883C JM38510/11302BEA	Direct Replacement
	DAC8F	ADC	DAC08Q/883C JM38510/11301BEA	Direct Replacement
	LM111FE	Comp	JM38510/10304BCA PM111Y/883C	Direct Replacement
	LM119F	Comp	8601401CA PM119Y/883C	Direct Replacement