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**Recommended Analog Devices  
Military Grade Part Cross-Reference**

## **Recommended Analog Devices Military Grade Part Cross-Reference**

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.***

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

| <u>MFR</u>                     | <u>MFR PN</u>  | <u>FUNCTION</u> | <u>RECOMMENDED ADI<br/>MILITARY GRADE PART</u>      | <u>COMMENTS</u>    |
|--------------------------------|----------------|-----------------|---|--------------------|
| <b>Burr-Brown (continued):</b> |                |                 |   |                    |
|                                | 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<br>AD574ATD/883B                     | Direct Replacement |
|                                | ADC574ATH      | ADC             | 5962-8512702XA<br>AD574ATD/883B<br>JM38510/14002BXA | Direct Replacement |
|                                | ADC674ASD/883B | ADC             | 5962-9169003MXA<br>AD674BTD/883B                    | Direct Replacement |
|                                | ADC674ASH      | ADC             | 5962-9169003MXA<br>AD674BTD/883B                    | Direct Replacement |
|                                | ADC674ATD/883B | ADC             | 5962-9169003MXA<br>AD674BTD/883B                    | Direct Replacement |
|                                | ADC674ATH      | ADC             | 5962-9169003MXA<br>AD674BTD/883B                    | Direct Replacement |
|                                | DAC7541ASH-BI  | DAC             | 5962-8948101VX<br>AD7541ASQ/883B                    | Direct Replacement |
|                                | DAC7541ATH-BI  | DAC             | 5962-8948102VX<br>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<br>JM38510/13902BCA                    | Direct Replacement |
|                                | MPY534SH       | Multiplier      | AD534SH/883B<br>JM38510/13902BIA                    | Direct Replacement |

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|--------------------------------|---------------|-----------------|--|------------------------|
| <b>Burr-Brown (continued):</b> |               |                 |  |                        |
|                                | MPY534TD      | Multiplier      | AD534TD/883B<br>JM38510/13901BCA               | Direct Replacement     |
|                                | MPY534TH      | Multiplier      | AD534TH/883B<br>JM38510/13901BIA               | Direct Replacement     |
|                                | OP27AJ        | Op Amp          | JM38510/13503BGA<br>OP27AJ/883C                | Direct Replacement     |
|                                | OP27AZ        | Op Amp          | JM38510/13503BPA<br>OP27AZ/883C                | Direct Replacement     |
|                                | OP27BJ        | Op Amp          | OP27BJ/883C                                    | Direct Replacement     |
|                                | OP37AJ        | Op Amp          | 5962-8853701GA<br>OP37AJ/883C                  | Direct Replacement     |
|                                | OP37AZ        | Op Amp          | 5962-8853701PA<br>OP37AZ/883C                  | Direct Replacement     |
|                                | OP37BZ        | Op Amp          | 5962-8853702PA<br>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<br>OP15AJ/883C                  | Slight spec difference |
|                                | OPA2111SM     | Op Amp          | AD648TH/883B                                   | Slight spec difference |
|                                | OPA404SG      | Op Amp          | 5962-9063301MCA<br>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<br>REF01AJ/883C                 | Direct Replacement     |
|                                | REF2M         | Volt. Ref       | 8551401GA<br>REF02AJ/883C                      | Direct Replacement     |
|                                | REF5PB        | Volt. Ref       | REF05AJ/883C                                   | Direct Replacement     |
|                                | REF5UB        | Volt. Ref       | REF05BJ/883C                                   | Direct Replacement     |
|                                | VFC100SG      | VFC             | 5962-9322201MEA<br>AD652SQ/883B                | Slight spec difference |
|                                | VFC32SM       | VFC             | ADVFC32SH/883B                                 | Slight spec difference |
| <b>Comlinear:</b>              |               |                 |  |                        |
|                                | CLC200A8C     | Op Amp          | 5962-8991101<br>AD9610TH/883B                  | Slight spec difference |

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|-------------------------------|----------------|-----------------|--|------------------------|
| <b>Comlinear (continued):</b> |                |                 |  |                        |
|                               | CLC201A8C      | Op Amp          | 5962-8991101<br>AD9610TH/883B                  | Slight spec difference |
|                               | CLC207A8C      | Op Amp          | 5962-8991101<br>AD9610TH/883B                  | Slight spec difference |
|                               | CLC400A8D      | Op Amp          | 5962-9086801MPA<br>AD9617SQ/883B               | Slight spec difference |
|                               | CLC401A8B      | Op Amp          | 5962-9086803MPA<br>AD9618SQ/883B               | Slight spec difference |
|                               | CLC401A8D      | Op Amp          | 5962-9086803MPA<br>AD9618SQ/883B               | Slight spec difference |
|                               | CLC402A8B      | Op Amp          | 5962-9086801MPA<br>AD9617SQ/883B               | Slight spec difference |
|                               | CLC402A8D      | Op Amp          | 5962-9086801MPA<br>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 |
| <b>Elantec:</b>               |                |                 |  |                        |
|                               | EHA12539 /883B | Op Amp          | AD5539SQ/883B                                  | Slight spec difference |
|                               | EHA12539-2     | Op Amp          | AD5539SQ/883B                                  | Slight spec difference |
|                               | EHA12540 /883B | Op Amp          | 5962-8964001CA<br>AD840SQ/883B                 | Direct Replacement     |
|                               | EHA12540-2     | Op Amp          | 5962-8964001CA<br>AD840SQ/883B                 | Direct Replacement     |
|                               | EHA15190 /883B | Op Amp          | 5962-8964201CA<br>AD842SQ/883B                 | Direct Replacement     |
|                               | EHA15190-2     | Op Amp          | 5962-8964201CA<br>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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|-----------------------------|----------------|-----------------|--|------------------------|
| <b>Elantec (continued):</b> |                |                 |  |                        |
|                             | EHA25190-2     | Op Amp          | 5962-8964201XA                                 | Direct Replacement     |
|                             | EHA42540 /883B | Op Amp          | 5962-89640012A<br>AD840SE/883B                 | Direct Replacement     |
|                             | EHA45190 /883B | Op Amp          | 5962-89642012A<br>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<br>AD841SQ/883B                 | Direct Replacement     |
|                             | EL2028J/883B   | Op Amp          | 5962-8964101CA<br>AD841SQ/883B                 | Direct Replacement     |
|                             | EL2030J        | Op Amp          | 5962-9313101MPA<br>AD811SQ/883B                | Slight spec difference |
|                             | EL2030J/883B   | Op Amp          | 5962-9313101MPA<br>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<br>AD840SQ/883B                 | Direct Replacement     |
|                             | EL2040J/883B   | Op Amp          | 5962-8964001CA<br>AD840SQ/883B                 | Direct Replacement     |
|                             | EL2040L/883B   | Op Amp          | 5962-89640012A<br>AD840SE/883B                 | Direct Replacement     |
|                             | EL2041G        | Op Amp          | AD841SH/883B                                   | Direct Replacement     |
|                             | EL2041G/883B   | Op Amp          | AD841SH/883B                                   | Direct Replacement     |
|                             | EL2041J        | Op Amp          | 5962-8964101CA<br>AD841SQ/883B                 | Direct Replacement     |
|                             | EL2041J/883B   | Op Amp          | 5962-8964101CA<br>AD841SQ/883B                 | Direct Replacement     |
|                             | EL2071J/883B   | Op Amp          | 5962-9313101MPA<br>AD811SQ/883B                | Slight spec difference |
|                             | EL2171J/883B   | Op Amp          | 5962-9086803MPA<br>AD9618SQ/883B               | Slight spec difference |
|                             | EL2190G        | Op Amp          | 5962-8964201XA                                 | Direct Replacement     |

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|-----------------------------|---------------|-----------------|--|------------------------|
| <b>Elantec (continued):</b> |               |                 |  |                        |
|                             | EL2190G/883B  | Op Amp          | 5962-8964201XA                                 | Direct Replacement     |
|                             | EL2190J       | Op Amp          | 5962-8964201CA<br>AD842SQ/883B                 | Direct Replacement     |
|                             | EL2190J/883B  | Op Amp          | 5962-8964201CA<br>AD842SQ/883B                 | Direct Replacement     |
|                             | EL2190L/883B  | Op Amp          | 5962-89642012A<br>AD842SE/883B                 | Direct Replacement     |
|                             | EL2195CG      | Op Amp          | 5962-8964201XA                                 | Direct Replacement     |
|                             | EL2223J       | Op Amp          | 5962-9211701MPA<br>AD827SQ/883B                | Slight spec difference |
|                             | EL2223J/883B  | Op Amp          | 5962-9211701MPA<br>AD827SQ/883B                | Slight spec difference |
|                             | EL2223L/883B  | Op Amp          | 5962-9211701M2A<br>AD827SE/883B                | Slight spec difference |
|                             | EL2232J       | Op Amp          | 5962-9053601PA<br>OP260AZ/883C                 | Slight spec difference |
|                             | EL2232J/883B  | Op Amp          | OP260AZ/883C                                   | Slight spec difference |
|                             | EL400J/883B   | Op Amp          | 5962-9086801MPA<br>AD9617SQ/883B               | Slight spec difference |
|                             | ELH32G        | Op Amp          | 5962-8964201XA                                 | Slight spec difference |
|                             | ELH32G/883B   | Op Amp          | 5962-8964201XA                                 | Slight spec difference |
| <b>Motorola:</b>            |               |                 |  |                        |
|                             | LM111H        | Comp            | JM38510/10304BGA<br>PM111J/883C                | Direct Replacement     |
|                             | LM285Z1.2     | Volt. Ref       | AD589SH/883B                                   | Slight spec difference |
|                             | MC1503U       | Volt. Ref       | 5962-9060301PA<br>REF43BZ/883C                 | Direct Replacement     |
|                             | MC1504U10     | Volt. Ref       | 5962-8958101PA<br>REF01AZ/883C                 | Direct Replacement     |
|                             | MC1504U5      | Volt. Ref       | 8551401PA<br>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     |



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|------------------------------|---------------|-----------------|--|------------------------|
| <b>Motorola (continued):</b> |               |                 |  |                        |
|                              | 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<br>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<br>AD713SQ/883B                | Direct Replacement     |
|                              | TL81MJG       | Op Amp          | AD711SQ/883B                                   | Direct Replacement     |
|                              | TL82MJG       | Op Amp          | AD712SQ/883B                                   | Direct Replacement     |
|                              | TL84MJG       | Op Amp          | 5962-9063301MCA<br>AD713SQ/883B                | Direct Replacement     |
| <b>Philips:</b>              |               |                 |  |                        |
|                              | ADC820BSEF    | ADC             | 5962-8865002RX<br>AD7820TQ/883B                | Direct Replacement     |
|                              | ADC820CSEF    | ADC             | 5962-8865001RX<br>AD7820UQ/883B                | Direct Replacement     |
|                              | AU2901D       | Comp            | 5962-8990403CA<br>CMP04BY/883C                 | Slight spec difference |
|                              | DAC8AF        | ADC             | DAC08AQ/883C<br>JM38510/11302BEA               | Direct Replacement     |
|                              | DAC8F         | ADC             | DAC08Q/883C<br>JM38510/11301BEA                | Direct Replacement     |
|                              | LM111FE       | Comp            | JM38510/10304BCA<br>PM111Y/883C                | Direct Replacement     |
|                              | LM119F        | Comp            | 8601401CA<br>PM119Y/883C                       | Direct Replacement     |

# Mouser Electronics

Authorized Distributor

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## Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

### Наши контакты:

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