



**CROSS-  
REFERENCE  
GUIDE**

**NATIONAL  
VS.  
PHILIPS**

Worldwide Web  
<http://www.national.com>  
or  
<http://www.national.com/appinfo/milaero>



## Analog Cross Reference

Philips Part Number	National Part Number	National Advantage
SE521 Dual Differential Comparator	LM160J/883	LM160 is a single HS comparator
SE527 Comparator	LM161J/883	Pin for pin replacement
SE529 Comparator	LM161J/883	Pin for pin replacement
SE555 Timer	LM555J/883	Pin for pin replacement
SE556 Dual Timer	LM556J-MIL	Pin for pin replacement
SE592 Video Op Amp	LM6181J/883	Smaller package, better performance
SE5205 Wideband Op Amp	CLC440A8B	Wider gain bandwidth
SE5532 Low Noise Dual Op Amp	CLC428A8B	Much lower noise performance
SE5533 Low Noise Dual Op Amp	CLC428A8B	Much lower noise performance
SE5534 Low Noise Op Amp	CLC426A8B	Much lower noise performance
SE5539 Ultra High Frequency Op Amp	CLC449A8B	Faster slew rate, smaller package

## Logic Cross Reference

Philips Part Number	National Part Number	National SMD
54ABT240/B2A	54ABT240E-QML	5962-9318801Q2A
54ABT240/BRA	54ABT240J-QML	5962-9318801QRA
54ABT240/BSA	54ABT240W-QML	5962-9318801QSA
54ABT241/B2A	54ABT241E-QML	5962-9322701Q2A
54ABT241/BRA	54ABT241J-QML	5962-9322701QRA
54ABT244/B2A	54ABT244E-QML	5962-9214701Q2A
54ABT244/BRA	54ABT244J-QML	5962-9214701QRA
54ABT244/BSA	54ABT244W-QML	5962-9214701QSA
54ABT245/B2A	54ABT245E-QML	5962-9214801Q2A
54ABT245/BRA	54ABT245J-QML	5962-9214801QRA
54ABT245/BSA	54ABT245W-QML	5962-9214081QSA
54ABT373/B2A	54ABT373E-QML	5962-9321801Q2A
54ABT373/BRA	54ABT373J-QML	5962-9321801QRA
54ABT373/BSA	54ABT373W-QML	5962-9320801QSA
54ABT374/B2A	54ABT374E-QML	5962-9314901Q2A
54ABT374/BRA	54ABT374J-QML	5962-9314901QRA
54ABT377/B2A	54ABT377E-QML	5962-9314801Q2A
54ABT377/BRA	54ABT377J-QML	5962-9314801QRA
54ABT377/BSA	54ABT377W-QML	5962-9314801QSA
54ABT543/B3A	54ABT543E-QML	5962-9231401Q3A
54ABT543/BKA	54ABT543W-QML	5962-9231401QKA
54ABT543/BLA	54ABT543J-QML	5962-9231401QLA
54ABT573/B2A	54ABT573E-QML	5962-9321901Q2A
54ABT573/BRA	54ABT573J-QML	5962-9321901QRA
54ABT573/BSA	54ABT573W-QML	5962-9321901QSA
54ABT574/B2A	54ABT574E-QML	5962-9322001Q2A
54ABT574/BRA	54ABT574J-QML	5962-9322001QRA
54ABT574/BSA	54ABT574W-QML	5962-9322001QSA
54ABT646/B3A	54ABT646E-QML	5962-9457701Q3A

Philips Part Number	National Part Number	National SMD
54ABT646/BKA	54ABT646W-QML	5962-9457701QKA
54ABT646/BLA	54ABT646J-QML	5962-9457701QLA
54ABT652/B3A	54ABT652E-QML	5962-9324201Q3A
54ABT652/BKA	54ABT652W-QML	5962-9324201QKA
54ABT652/BLA	54ABT652J-QML	5962-9324201QLA
54F00/B2A	54F00LMQB	
54F00/BCA	54F00DMQB	
54F00/BDA	54F00FMQB	
54F02/B2A	54F02LMQB	
54F02/BCA	54F02DMQB	
54F02/BDA	54F02FMQB	
54F04/B2A	54F04LMQB	
54F04/BCA	54F04DMQB	
54F04/BDA	54F04FMQB	
54F08/B2A	54F08LMQB	
54F08/BCA	54F08DMQB	
54F08/BDA	54F08FMQB	
54F10/B2A	54F10LMQB	
54F10/BCA	54F10DMQB	
54F10/BDA	54F10FMQB	
54F109/B2A	54F109LMQB	
54F109/BEA	54F109DMQB	
54F109/BFA	54F109FMQB	
54F11/B2A	54F11LMQB	
54F11/BCA	54F11DMQB	
54F11/BDA	54F11FMQB	
54F138/B2A	54F138LMQB	
54F138/BEA	54F138DMQB	
54F138/BFA	54F138FMQB	



Philips Part Number	National Part Number	National SMD
54F139/B2A	54F139LMQB	
54F139/BEA	54F139DMQB	
54F139/BFA	54F139FMQB	
54F14/B2A	54F14LMQB	
54F14/BCA	54F14DMQB	
54F14/BDA	54F14FMQB	
54F157A/B2A	54F157LMQB	
54F157A/BEA	54F157DMQB	
54F157A/BFA	54F157FMQB	
54F158A/B2A	54F158LMQB	
54F158A/BEA	54F158DMQB	
54F158A/BFA	54F158FMQB	
54F161A/BEA	54F161DMQB	
54F161A/BFA	54F161FMQB	
54F163A/BEA	54F163DMQB	
54F163A/BFA	54F163FMQB	
54F164/B2A	54F164LMQB	
54F164/BCA	54F164DMQB	
54F164/BDA	54F164FMQB	
54F174/B2A	54F174LMQB	
54F174/BEA	54F174DMQB	
54F174/BFA	54F174FMQB	
54F175/B2A	54F175LQMB	
54F175/BEA	54F175DMQB	
54F175/BFA	54F175FMQB	
54F181/B3A	54F181LMQB	
54F181/BLA	54F181DMQB	
54F193/B2A	54F193LMQB	
54F193/BEA	54F193DMQB	
54F193/BFA	54F193FMQB	
54F194/B2A	54F194LMQB	
54F194/BEA	54F194DMQB	
54F194/BFA	54F194FMQB	
54F20/B2A	54F20LMQB	
54F20/BCA	54F20DMQB	
54F20/BDA	54F20FMQB	
54F240/B2A	54F240LMQB	
54F240/BRA	54F240DMQB	
54F241/B2A	54F241LMQB	
54F241/BRA	54F241DMQB	
54F241/BSA	54F241FMQB	
54F244/B2A	54F244LMQB	
54F244/BRA	54F244DMQB	
54F244/BSA	54F244FMQB	
54F245/B2A	54F245LMQB	
54F245/BRA	54F245DMQB	
54F245/BSA	54F245FMQB	
54F253/B2A	54F253LMQB	
54F253/BEA	54F253DMQB	
54F253/BFA	54F253FMQB	
54F273/B2A	54F273LMQB	

Philips Part Number	National Part Number	National SMD
54F273/BRA	54F273DMQB	
54F273/BSA	54F273FMQB	
54F280A/B2A	54F280LMQB	
54F280A/BCA	54F280DMQB	
54F280A/BDA	54F280FMQB	
54F280B/B2A	54F280LMQB	
54F280B/BCA	54F280DMQB	
54F280B/BDA	54F280FMQB	
54F299/B2A	54F299LMQB	
54F299/BRA	54F299DMQB	
54F3037/BEA	54F299FMQB	
54F32/BCA	54F32DMQB	
54F32/BDA	54F32FMQB	
54F373/B2A	54F373LMQB	
54F373/BRA	54F373DMQB	
54F373/BSA	54F373FMQB	
54F374/B2A	54F374LMQB	
54F374/BRA	54F374DMQB	
54F374/BSA	54F374FMQB	
54F377/B2A	54F377LMQB	
54F377/BRA	54F377DMQB	
54F377/BSA	54F377FMQB	
54F38/B2A	54F38LMQB	
54F38/BCA	54F38DMQB	
54F38/BDA	54F38FMQB	
54F398/B2A	54F398LMQB	
54F398/BRA	54F398DMQB	
54F399/B2A	54F399LMQB	
54F399/BEA	54F399DMQB	
54F399/BFA	54F399FMQB	
54F521/B2A	54F521LMQB	
54F521/BRA	54F521DMQB	
54F544/B3A	54F544LMQB	
54F544/BKA	54F544FMQB	
54F544/BLA	54F544DMQB	
54F573/B2A	54F573LMQB	
54F573/BRA	54F573DMQB	
54F573/BSA	54F573FMQB	
54F574/B2A	54F574LMQB	
54F574/BRA	54F574DMQB	
54F574/BSA	54F574FMQB	
54F64/B2A	54F64LMQB	
54F64/BCA	54F64DMQB	
54F64/BDA	54F64FMQB	
54F646A/BLA	54F646DMQB	
54F676/B3A	54F676LMQB	
54F676/BLA	54F676DMQB	
54F74/B2A	54F74LMQB	
54F74/BCA	54F74DMQB	
54F74/BDA	54F74FMQB	



Philips Part Number	Philips Generic ID	National Part Number
5962-86071012A	54F164/B2A	5962-86071012A
5962-8607101CA	54F164/BCA	5962-8607101CA
5962-8607101DA	54F164/BDA	5962-8607101DA
5962-86850012A	54F194/B2A	54F194LMQB
5962-8685001EA	54F194/BEA	54F194DMQB
5962-8685001FA	54F194/BFA	54F194FMQB
5962-86872012A	54F38/B2A	54F38LMQB
5962-8687201CA	54F38/BCA	54F38DMQB
5962-8687201DA	54F38/BDA	54F38FMQB
5962-86874012A	54F241/B2A	54F241LMQB
5962-88548013A	54F676/B3A	54F676LMQB
5962-8854801LA	54F676/BLA	54F676DMQB
5962-88550012A	54F273/B2A	5962-88550012A
5962-8855001RA	54F273/BRA	5962-8855001RA
5962-8855001SA	54F273/BSA	5962-8855001SA
5962-88752012A	54F14/B2A	5962-88752012A
5962-8875201CA	54F14/BCA	5962-8875201CA
5962-8875201DA	54F14/BDA	5962-8875201DA
5962-89555013A	54F544/B3A	54F544LMQB
5962-8955501KA	54F544/BKA	54F544FMQB
5962-8955501LA	54F544/BLA	54F544DMQB
5962-89573012A	54F299/B2A	54F299LMQB
5962-8957301RA	54F299/BRA	54F299DMQB
5962-89724012A	54F574/B2A	54F574LMQB
5962-8972401RA	54F574/BRA	54F574DMQB
5962-8972401SA	54F574/BSA	54F574FMQB
5962-9091001M2A	54F377/B2A	5962-9091001M2A
5962-9091001MRA	54F377/BRA	5962-9091001MRA
5962-9091001MSA	54F377/BSA	5962-9091001MSA
5962-9173801M2A	54F573/B2A	5962-9173801M2A

Philips Part Number	Philips Generic ID	National Part Number
5962-9173801MRA	54F573/BRA	5962-9173801MRA
5962-9173801MSA	54F573/BSA	5962-9173801MSA
5962-9214081MSA	54ABT245/BSA	5962-9214081QSA
5962-9214701M2A	54ABT244/B2A	5962-9214701Q2A
5962-9214701MRA	54ABT244/BRA	5962-9214701QRA
5962-9214701MSA	54ABT244/BSA	5962-9214701QSA
5962-9214801M2A	54ABT245/B2A	5962-9214801Q2A
5962-9214801MRA	54ABT245/BRA	5962-9214801QRA
5962-9231401M3A	54ABT543/B3A	5962-9231401Q3A
5962-9231401MKA	54ABT543/BKA	5962-9231401QKA
5962-9231401MLA	54ABT543/BLA	5962-9231401QLA
5962-9314801M2A	54ABT377/B2A	5962-9314801Q2A
5962-9314801MRA	54ABT377/BRA	5962-9314801QRA
5962-9314801MSA	54ABT377/BSA	5962-9314801QSA
5962-9314901M2A	54ABT374/B2A	5962-9314901Q2A
5962-9314901MRA	54ABT374/BRA	5962-9314901QRA
5962-9320801MSA	54ABT373/BSA	5962-9320801QSA
5962-9321801M2A	54ABT373/B2A	5962-9321801Q2A
5962-9321801MRA	54ABT373/BRA	5962-9321801QRA
5962-9322001M2A	54ABT574/B2A	5962-9322001Q2A
5962-9322001MRA	54ABT574/BRA	5962-9322001QRA
5962-9322001MSA	54ABT574/BSA	5962-9322001QSA
5962-9322701M2A	54ABT241/B2A	5962-9322701Q2A
5962-9322701MRA	54ABT241/BRA	5962-9322701QRA
5962-9324201M3A	54ABT652/B3A	5962-9324201Q3A
5962-9324201MKA	54ABT652/BKA	5962-9324201QKA
5962-9324201MLA	54ABT652/BLA	5962-9324201QLA
85511012A	54F245B2A	54F245LMQB
8551101RA	54F245/BRA	54F245DMQB
8551101SA	54F245/BSA	54F245FMQB