

# Design Resources - Analog KVM Switch Solution

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Design Resources

## Application Notes

Supplier	Device	Title	Date Published
ADI	ADSP-BF561	<a href="#">AN-813: Interfacing the ADSP-BF533/ADSP-BF561 Blackfin® Processors to High Speed Parallel ADCs</a>	
ADI	ADSP-BF562	<a href="#">EE-314: Booting the ADSP-BF561 Blackfin Processor (Rev 1, 05/2007)</a>	May/07
ADI	ADSP-BF563	<a href="#">EE-293: Estimating Power for ADSP-BF561 Blackfin Processors (Rev 2, 06/2007)</a>	Jun/07
ADI	ADSP-BF564	<a href="#">EE-272: Managing Multiple DXEs on ADSP-BF561 Blackfin Processors (Rev 1, 07/2005)</a>	Jul/05
ADI	ADSP-BF565	<a href="#">EE-256: Using the ADSP-BF561 Blackfin Processor as a TFT-LCD Controller (Rev 2, 03/2006)</a>	Mar/06

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ADI	AD8131	<a href="#">AN-584: Using the AD813X Differential Amplifier</a>	
ADI		<a href="#">AN-692: Universal Precision Op Amp Evaluation Board</a>	
ADI		<a href="#">AN-589: Ways to Optimize the Performance of a Difference Amplifier</a>	
Intersil		<a href="#">Mux &amp; Switch</a>	Jul/08
Intersil	EL4543	<a href="#">EL4543 CAT-5 CMV Offset Network Recovers Usable CMV Range at Receiver</a>	Sep/06
Intersil		<a href="#">Transmitting SXGA Video Signal through 1kft (300m) CAT-5 Cable</a>	Jan/08
Intersil		<a href="#">CAT-5 Video Transmission: Troubleshooting and Equalization</a>	Aug/07
Intersil	ISL59446	<a href="#">Using the EL4342 and ISL59446 Triple Video MUX-Amps as A/V Source Selectors</a>	Jul/06
Intersil		<a href="#">Automatic Digital Cable Compensation for Long Cat-5 Cables</a>	Jun/09
Intersil		<a href="#">Video Cable Drivers Save Board Space, Increase Bandwidth</a>	Oct/04
Intersil		<a href="#">Video Multiplexer Delivers Lower Signal Degradation</a>	Oct/04
Intersil		<a href="#">Video Amplifier with Sync Stripper and DC Restore</a>	Oct/04
Intersil	EL5108	<a href="#">EL5108 Video Buffer Forms Differential Line Driver/Receiver</a>	Oct/04
Intersil		<a href="#">Single-Ended To Differential Twisted Pair Driver</a>	May/97
Maxim		<a href="#">8:1 Mux-Amps Form Large Multiplane Mux Structures</a>	Jun/06
Maxim	MAX4312	<a href="#">Application Note 1953: 8:1 Mux-Amps Form Large Multiplane Mux Structures</a>	Mar/03

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National Semiconductor		<a href="#">AN-1719: Application Note 1719 Noise Figure Analysis Fully Differential Amplifier</a>	Sep/07
National Semiconductor	LMH6733	<a href="#">AN-1822: Application Note 1822 LMH6733 High Definition Video Transmission Over CAT5</a>	Jan/09
Texas Instruments	TMS320DM6441	<a href="#">TMS320DM6441 Power Consumption Summary Application Report</a>	Apr/08
Texas Instruments	TMS320DM6467	<a href="#">TMS320DM6467 Universal Serial Bus Upstream Device Compliance Testing</a>	Jan/08
Texas Instruments	TMS320DM6467	<a href="#">Using the TMS320DM6467 DMSoC Bootloader (Rev. C)</a>	May/08
Texas Instruments	TMS320DM6467	<a href="#">HDMI Transmitter/ Receiver Support on TMS320DM6467</a>	May/08
Texas Instruments	TMS320DM6467	<a href="#">TMS320DM6467 SoC Architecture and Throughput Overview (Rev. B)</a>	Jun/09
Texas Instruments	TMS320DM6441	<a href="#">TMS320DM644x DMSoC Video Processing Back End (VPBE) User's Guide (Rev. C)</a>	Apr/08
Texas Instruments	TMS320DM6441	<a href="#">TMS320DM644x DMSoC Enhanced Direct Memory Access (EDMA) Controller User's Guide (Rev. D)</a>	Feb/08
Texas Instruments	TMS320DM6441	<a href="#">TMS320DM644x DMSoC Video Processing Front End (VPFE) User's Guide (Rev. E)</a>	Nov/08
Texas Instruments	TMS320DM6467	<a href="#">TMS320DM646x DMSoC Video Port Interface (VPIF) User's Guide (Rev. C)</a>	Jun/09
Texas Instruments	TMS320DM6467	<a href="#">TMS320DM646x DMSoC Video Data Conversion Engine (VDCE) User's Guide</a>	Dec/07

## Design Tips & Tricks

Supplier	Device	Design Tips & Tricks Title	Date Published
Intersil		<a href="#">Mux &amp; Switch</a>	Jul/08
Texas Instruments	TMS320DM6441	<a href="#">TMS320DM644x DMSoC Video Processing Back End (VPBE) User's Guide (Rev. C)</a>	Apr/08
Texas Instruments	TMS320DM6441	<a href="#">TMS320DM644x DMSoC Enhanced Direct Memory Access (EDMA) Controller User's Guide (Rev. D)</a>	Feb/08
Texas Instruments	TMS320DM6441	<a href="#">TMS320DM644x DMSoC Video Processing Front End (VPFE) User's Guide (Rev. E)</a>	Nov/08
Texas Instruments	TMS320DM6467	<a href="#">TMS320DM646x DMSoC Video Port Interface (VPIF) User's Guide (Rev. C)</a>	Jun/09
Texas Instruments	TMS320DM6467	<a href="#">TMS320DM646x DMSoC Video Data Conversion Engine (VDCE) User's Guide</a>	Dec/07

## Evaluation Kits

Supplier	Device	EVKs Part Number	Evaluation Kits Info	Date Published
ADI	ADSP-BF561		<a href="#">EZ-KIT Lite Evaluation Kit for ADSP-BF561 Blackfin Processor</a>	
ADI			<a href="#">Differential Driver Evaluation Board</a>	
ADI			<a href="#">Differential Receiver Evaluation Board</a>	Jan/03
Maxim	MAX4447		<a href="#">MAX4447EVKIT, MAX4448EVKIT, MAX4449EVKIT</a>	Oct/99
Maxim	MAX4444		<a href="#">MAX4444EVKIT</a>	Oct/99

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Maxim	MAX4313	MAX4313EVKIT	<a href="#">Evaluation Kit for the MAX4310, MAX4313</a>	Apr/99
Maxim	MAX4029	MAX4029EVKIT	<a href="#">Evaluation Kit for the MAX4029</a>	Aug/08
National Semiconductor	LMH6550		<a href="#">LMH730154 SOIC-8 Differential Amplifier Evaluation Board - Included with LMH6550MA</a>	Dec/04
National Semiconductor	LMH6552	LMH6552SDEVAL	<a href="#">AN-1743: Application Note 1743 LMH6552SDEVAL High Speed Differential Amplifier Evaluation Board</a>	Jun/08
National Semiconductor	LMH6553	LMH6553SDEVAL	<a href="#">AN-1851: Application Note 1851 LMH6553SDEVAL High Speed Differential Amplifier Evaluation Board</a>	Jun/08
National Semiconductor	LMH6574		<a href="#">LMH730276 SOIC-14 4:1 Multiplexer Evaluation Board</a>	May/03
Texas Instruments	TMS320DM6441		<a href="#">Encode Demo for the DaVinci DVEVM/ DVSDK 1.2 (Rev. A)</a>	Jun/07
Texas Instruments	TMS320DM6467		<a href="#">EncodeDecode Demo for the DaVinci DVEVM/DVSDK 1.2 (Rev. A)</a>	Jun/07
Texas Instruments	TMS320DM6467		<a href="#">Decode Demo for the DaVinci DVEVM/ DVSDK 1.2 (Rev. A)</a>	Jun/07
Texas Instruments	TMS320DM6467		<a href="#">TMS320DM6467 DVEVM v2.0 Getting Started Guide (Rev. D)</a>	Dec/08

## Spice Model

Supplier	Device	Spice Model Title
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ADI	AD8131	<a href="#">AD8131 SPICE Macro-Model Maximum Values Rev A, 10/2000</a>
ADI	AD8131	<a href="#">AD8131 SPICE Macro-Model Typical Values Rev A, 10/2000</a>
ADI	AD8133	<a href="#">AD8133 SPICE Macro Model, Rev 1.0, 8/2007</a>
ADI	AD8146	<a href="#">AD8146 SPICE Macro Model, Rev B, 5/2007</a>
ADI	AD8147	<a href="#">AD8147 SPICE Macro Model, Rev 1.0, 8/2007</a>
ADI	AD8148	<a href="#">AD8148 SPICE Macro Model, Rev 1.0, 8/2007</a>
ADI	AD8130	<a href="#">AD8130 SPICE Macro-Model, Rev PrA, TRW, 5/2003</a>
ADI	AD8021	<a href="#">AD8021 SPICE Macro-Model Rev. D, TRW 10/2001</a>
ADI	AD8036AN	<a href="#">AD8036AN SPICE Macro-Model Rev B, SMR/ADI, 1/22/99</a>
ADI	AD8038	<a href="#">AD8038/AD8039 SPICE Macro-Model, 3/ 2002</a>
ADI	AD8041	<a href="#">AD8041A SPICE Macro-Model Rev A, 9/96</a>
ADI	AD8042	<a href="#">AD8042A SPICE Macro-Model, Rev A, 9/96</a>
ADI	AD8044	<a href="#">AD8044A SPICE Macro-Model Rev B, 9/96</a>
ADI	AD8045	<a href="#">AD8045m2 SPICE Macro Model, Rev 0, 2/2007</a>
ADI	AD8047	<a href="#">AD8047 SPICE Macro-Model Rev.1, 11/97</a>
ADI	AD8051	<a href="#">AD8051/AD8052/AD8054 SPICE Macro-Model Rev 0, 9/98</a>
ADI	AD8055	<a href="#">AD8055AN SPICE Macro-Model Rev A, SMR/ADI, 8/97</a>
ADI	AD8056	<a href="#">AD8056 SPICE Macro-Model, Rev A, SMR, 8/97</a>
ADI	AD8057	<a href="#">AD8057/AD8058 SPICE Macro-Model</a>
ADI	AD8061	<a href="#">AD8061 SPICE Macro-Model Rev 0, 9/02</a>

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ADI	AD8062	<a href="#">AD8062 SPICE Macro-Model, Rev 0, MM, 9/02</a>
ADI	AD8079A	<a href="#">AD8079A SPICE Macro-Model</a>
ADI	AD8079B	<a href="#">AD8079B SPICE Macro-Model</a>
ADI	AD8091	<a href="#">AD8091 SPICE Macro-Model Rev. A, 2/2002</a>
ADI	AD8092	<a href="#">AD8092 SPICE Macro-Model Rev. A, 2/2002</a>
ADI	AD8130	<a href="#">AD8130 SPICE Macro-Model, Rev PrA, TRW, 5/2003</a>
ADI	AD8131	<a href="#">AD8131 SPICE Macro-Model Maximum Values Rev A, 10/2000</a>
ADI	AD8131	<a href="#">AD8131 SPICE Macro-Model Typical Values Rev A, 10/2000</a>
ADI	AD8133	<a href="#">AD8133 SPICE Macro Model, Rev 1.0, 8/2007</a>
ADI	AD8145	<a href="#">AD8145 SPICE Macro Model, Rev 1.0, 8/2007</a>
ADI	AD8146	<a href="#">AD8146 SPICE Macro Model, Rev B, 5/2007</a>
ADI	AD8147	<a href="#">AD8147 SPICE Macro Model, Rev 1.0, 8/2007</a>
ADI	AD8148	<a href="#">AD8148 SPICE Macro Model, Rev 1.0, 8/2007</a>
ADI	AD829	<a href="#">AD829 SPICE Macro-Model Rev. A, 9/90</a>
ADI	AD829A	<a href="#">AD829A SPICE Macro-Model Rev. A, 9/90</a>
ADI	AD829J	<a href="#">AD829J SPICE Macro-Model Rev. A, 9/90</a>
ADI	AD829S	<a href="#">AD829S SPICE Macro-Model Rev. A, 9/90</a>
ADI	AD9631AN	<a href="#">AD9631AN SPICE Macro-Model SMR Rev. A, 2/97</a>
ADI	ADA4850	<a href="#">ADA4850 SPICE Macro Model, Rev 1.1, 05/2005</a>
ADI	ADA4851-2	<a href="#">ADA4851-2 SPICE Macro-Model, Rev. 1.1, 03/2005</a>
ADI	ADA4851-4	<a href="#">ADA4851-4 SPICE Macro-Model, Rev1.1, 03/2005</a>

## VideoStreaming

Supplier	Device	VideoStreaming Title	Date Published
Texas Instruments	TMS320DM6467	<a href="#">Introduction to Codec Engine</a>	Nov/08
Texas Instruments	TMS320DM365	<a href="#">Introduction to TMS320DM365 Digital Media Processor</a>	Mar 2009
Texas Instruments	TMS320DM335	<a href="#">TMS320DM335 Digital Media Processor Overview</a>	Feb 2009
Texas Instruments	TMS320DM365	<a href="#">TMS320DM365 Digital Media Processor Technical Overview</a>	Mar 2009
Texas Instruments	TMS320DM335	<a href="#">TMS320DM335 Technical Overview</a>	Feb 2009
Texas Instruments	TMS320DM365	<a href="#">TMS320DM365 Digital Media Processor Demonstration</a>	Mar 2009

## White Paper

Supplier	Device	White Paper Title	Date Published
ADI	ADSP-BF561	<a href="#">A BDTI Analysis of the Analog Devices ADSP-BF5xx</a>	Jan/04
ADI		<a href="#">Blackfin Car Telematics Platform Brings Low Cost Telematics to the Mass Market</a>	Jan/03
ADI		<a href="#">Device-Based Social Networking</a>	Jan/07
ADI		<a href="#">LabVIEW 1000m Below the Waves: Synchronized Sampling of Autonomous Units Through Sound</a>	Jan/07
ADI		<a href="#">Secure, Field Upgradeable OS Architecture for Blackfin</a>	

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ADI		<a href="#">Security Without Compromise</a>	Jan/05
ADI		<a href="#">Unifying Microarchitecture for Embedded Media Processing</a>	Jan/03
Texas Instruments		<a href="#">Getting the Most Out of Your Image-Processing Pipeline White Paper</a>	Oct/07
Texas Instruments		<a href="#">Reaping the Benefits of SoC Processors for Video Applications White Paper</a>	Mar/07
Texas Instruments		<a href="#">BDTi Analysis of TI Digital Video Evaluation Module Whitepaper</a>	Feb/07
Texas Instruments		<a href="#">Programming Details of Codec Engine for DaVinci Technology Whitepaper</a>	Oct/06
Texas Instruments		<a href="#">The DaVinci Effect: Achieving Digital Video Without Complexity White Paper</a>	Dec/05
Texas Instruments		<a href="#">DaVinci Technology for Digital Video White Paper</a>	Sep/05
Texas Instruments		<a href="#">The Future of Digital Video White Paper</a>	Sep/05
Texas Instruments	TMS320DMDM6467	<a href="#">Transcoding with DM6467 and DaVinci Technology Drives Video Market Evolution</a>	Feb/08