

Products > Interface & Connectivity > PCI Express® Solutions > PCI Express® Switches > 64-lane, 16-port PCIe Gen2 System Interconnect Switch

89H64H16AG2 Active Samples Available

64-lane, 16-port PCIe Gen2 System Interconnect Switch

Provides 64 PCIe Gen2 lanes and 16 ports of high-performance, deterministic system interconnect switching. All ports receive full line rate, non-blocking throughput for multiple traffic flows regardless of switch loading.

Features

- 64 PCIe Gen2 Lanes, 16 Switch Ports
 - Non-blocking switch architecture optimized for High Performance System Interconnect
 - Partitionable switch architecture for true mutli-root support
- Internal buffering and flow control credits optimized for maximum bandwidth and large payloads
 - Low latency, Low power

Product Options

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Orderable Part ID	Part Status	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Carrier Type	Package	Buy Sample
89H64H16AG2ZCBLG	Active	FCBGA	1156	C	Yes	Tray	Package Info	Get Samples Buy / Quote
89H64H16AG2ZCBLGI	Active	FCBGA	1156	I	Yes	Tray	Package Info	Get Samples Buy / Quote
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Documentation & Downloads

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Title	Format	File Size	Date
Datasheets & Errata			
89PES64H16AG2 Data Sheet	PDF	563 KB	Nov 28, 2011
89PES64H16AG2 Device Errata (Revision ZC)	PDF	163 KB	Feb 10, 2011
89PES64H16AG2 Device Errata (Revision ZB)	PDF	50 KB	Jun 25, 2009
89PES64H16AG2 Device Errata (Revision ZA)	PDF	61 KB	May 28, 2009
User Guides & Manuals			
89PES64H16AG2 Device User Manual	PDF	4.12 MB	Apr 5, 2013
PCI Express Browser Rev 5.0.2 User Manual	PDF	2.56 MB	Dec 3, 2010
Application Notes & White Papers			
AN-825: SerDes Configuration for Industrial Temperature	PDF	195 KB	Jul 4, 2014
AN-715, Multi-Port SSC Support in IDT PCIe Gen2 Switches	PDF	501 KB	Oct 26, 2009
AN-721, IDT PCIe Gen2 Switch Hardware Design Guide	PDF	468 KB	Aug 14, 2009
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PCNs & PDNs			
PCN# : A1706-01 (R2) Change in Bumping Location on Select Packages	PDF	78 KB	Dec 19, 2017
PCN# : A1706-01 (R1) Change in Bumping Location on Select Packages	PDF	77 KB	Oct 25, 2017
PCN# : A1706-01 Change in Bumping Location on Select Packages	PDF	32 KB	Jul 9, 2017
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Downloads			
PCI Express Browser Rev 5.0.2 Linux Installation	GZ	30.49 MB	Nov 17, 2015
PCI Express Browser Rev 5.0.2 Windows Installation - Digitally Signed	ZIP	114.97 MB	Jun 16, 2011
PCI Express Browser Rev 5.0.2 Windows Installation	ZIP	54.45 MB	Jun 16, 2011

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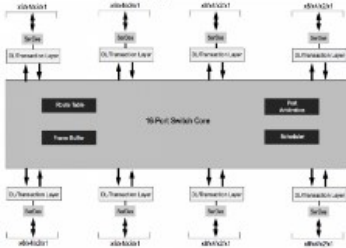
QUALITY/PACKAGE SUPPORT

SALES SUPPORT

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Images

89H64H16AG2 - Block Diagram



89EBPES64H16AG2 Eval Board

Schematics in PDF format (this board was never manufactured)

COUNTRY

YOUR-EMAIL@DOMAIN.COM

GO

6.06 MB

Jan 28, 2009

89PES64H16AG2 OrCAD symbol

ZIP

14 KB

Jan 28, 2009

89PES64H16AG2 Product Brief

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242 KB

Sep 24, 2008

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Boards & Kits

Part Number	Title	Type	Company
89KTPES64H16AG2	©2020 Renesas Electronics Corporation. System Development Kit for the 89H04H16AG2		