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TSI382A PCIe to PCI Bridge

The Tsi382 provides a high performance, small footprint bridge from single lane PCI Express to 32 bit PCI. The device's PCI interface can operate up to 66 MHz. Three types of addressing modes are supported; transparent, opaque and non-transparent, giving designers flexibility.

Features

- PCI Express (x1) to PCI forward bridge
- Superior performance, low latency
- Clock and arbitration pins for up to 4 PCI devices
- Non-transparent bridging support
- Smallest form factor 10x10mm BGA package
- 20x20mm LQFP package option



Product Specification

Primary PCI Bus	Transparency Mode	Pkg. Code	Pkg. Type	Length (mm)	Width (mm)	Temp. Grade
PCIe x1		ABG144, AB144, DAG176	CABGA, TQFP	10, 20	10, 20	I, C

Product Options

Orderable Part ID	Part Status	Pkg. Code	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Carrier Type	Sample & Buy
TSI382A-66CQY	Active	DAG176	TQFP	176	C	Yes	Tray	Check Availability
TSI382A-66IL	Not Recommended	AB144	CABGA	144	I	No	Tray	Check Availability
TSI382A-66ILV	Not Recommended	ABG144	CABGA	144	I	Yes	Tray	Check Availability

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Documents

Title	Type	Format	File Size	Date
Tsi382A User Manual	Manual	PDF	1.84 MB	04/17/2014
PCI Express Browser Rev 5.0.2 User Manual	Manual	PDF	2.49 MB	12/03/2010
Tsi382A Evaluation Board Feature Sheet	Manual - Eval Board	PDF	422 KB	01/28/2010
Tsi382A (BGA) Evaluation Board User Manual	Manual - Eval Board	PDF	2.01 MB	01/28/2010
Tsi382A Evaluation Board Release Notes 5V_Universal	Manual - Eval Board	PDF	364 KB	01/28/2010
Tsi382A Evaluation Board Release Notes 3.3V_Universal	Manual - Eval Board	PDF	344 KB	01/28/2010

Tsi382A (QFP) Evaluation Board User Manual	Manual - Eval Board	PDF	2.54 MB	01/28/2010
Tsi382 and Tsi382A Device Differences	Misc	PDF	52 KB	04/21/2014
Tsi382A Feature Sheet	Misc	PDF	395 KB	01/28/2010
IDT PCI Express Solutions Overview	Overview	PDF	2.43 MB	08/14/2013
Tsi382A (QFP) Pinlist	Pinlist - Ballmap Files	TXT	3 KB	01/28/2010
Tsi382A (BGA) Pinlist	Pinlist - Ballmap Files	TXT	2 KB	01/28/2010
Tsi382A (BGA) Ballmap	Pinlist - Ballmap Files	PDF	225 KB	01/28/2010
Tsi382A (QFP) Evaluation Board Schematics	Schematic	PDF	776 KB	01/28/2010
Tsi382A (BGA) Evaluation Board Schematics	Schematic	PDF	930 KB	01/28/2010
PCI Express Browser Rev 5.0.2 Linux Installation	Software Tool	application/x-gzip	51.33 MB	06/10/2014
PCI Express Browser Rev 5.0.2 Windows Installation - Digitally Signed	Software Tool	ZIP	104.57 MB	06/16/2011
PCI Express Browser Rev 5.0.2 Windows Installation	Software Tool	ZIP	54.45 MB	12/03/2010

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