IDT®
Migrating from the Pericom PI7C8140A to the Tsi340™ PCI-to-PCI Bridge

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1. Migrating from the Pericom PI7C8140A to the Tsi340 PCI-to-PCI Bridge

This application note details the differences between the Tsi340™ and the Pericom™ PI7C8140A. It is intended to help easily migrate designs from the PI7C8140A to the Tsi340 by highlighting any differences between the devices.

This document discusses the following:

- "Feature Compatibility" on page 3
- "Software Compatibility" on page 4
- "Pin Compatibility" on page 4

Revision History

80E3000_AN001_02, Formal, September 2009

This document was rebranded as IDT. It does not include any technical changes.

80E3000_AN001_01, Formal, November 2006

This is the first revision of this document.

1.1 Feature Compatibility

The Tsi340 is feature compatible with the PI7C8140A. The Tsi340 implements the additional feature listed in Table 1.

Table 1: Tsi340 and PLX PCI 6140 Feature Comparison

Feature	Tsi340	PI7C8140A
PCI Local Bus Specification	Revision 2.3	Revision 2.2

1.2 Software Compatibility

The Tsi340 and PI7C8140A are fully software compatible within the standard PCI configuration space, with the exception of the value returned by the Vendor ID register (see Table 2).

For more information on using device specific features and registers which are outside the standard PCI configuration space, refer to the *Tsi340 User Manual*.

Table 2: PCI Standard Configuration Space Register Differences

Register	Tsi340	PI7C8140A
Vendor ID	0x10E3	0x12D8

1.3 Pin Compatibility

There are no pin differences between the Tsi340 and PIC78140A.