AXILite Crossbar v1.0

IP User Guide (Alpha Release)

Raptor
Design Suite
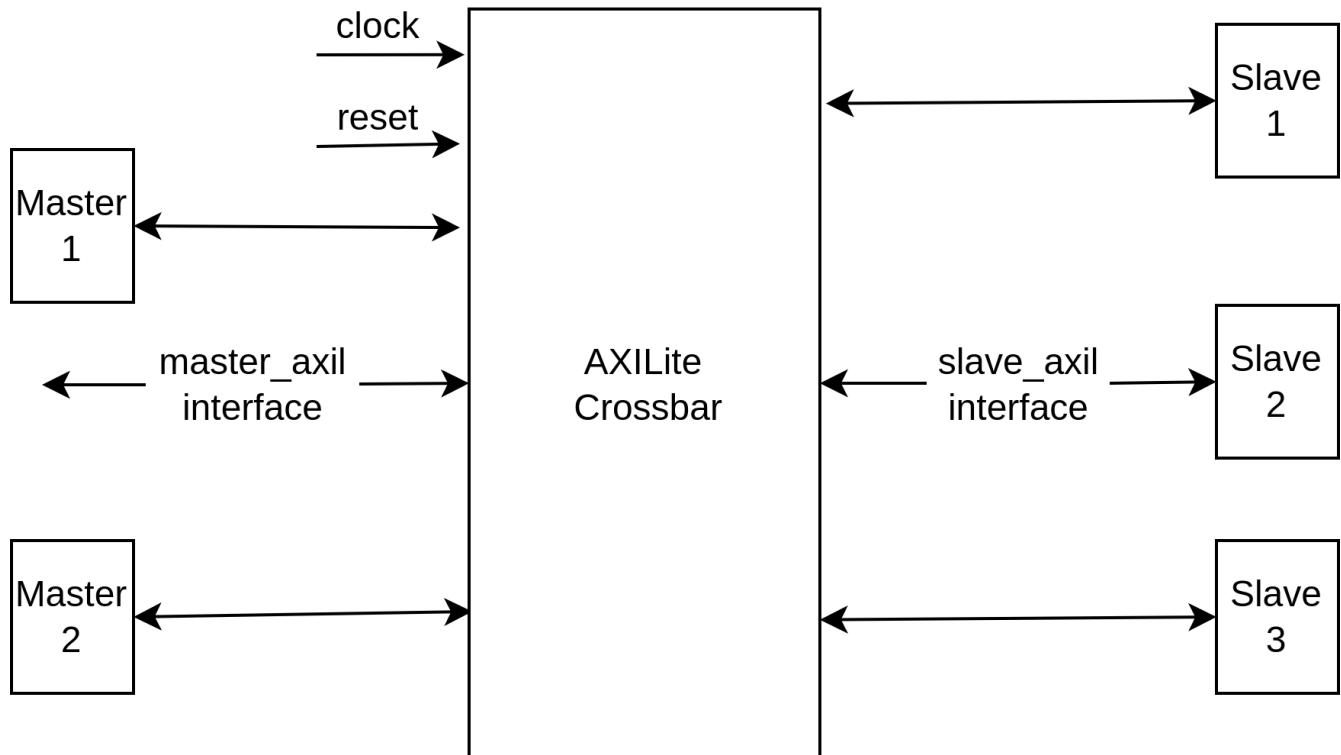
January 25, 2023

RapidSilicon

Contents

IP Summary

Introduction

An AXI crossbar is a type of interconnect that allows multiple Advanced eXtensible Interface (AXI) master devices to communicate with multiple AXI slave devices. The crossbar acts as a switch, routing data and control signals between the different masters and slaves. This Crossbar IP is AXILite compliant making it easier to integrate into other AXILite or AXI4 compliant systems. A macro block diagram of this AXILite Crossbar is shown in Figure 1.

Figure 1. AXILite Crossbar Block Diagram

Revision History

Date	Version	Revisions
January 25, 2023	0.01	Initial version AXILite Crossbar User Guide Document