

VciAvalonTargetWrapper

1) Functional Description

This hardware component connects a VCI target to an AVALON interconnect. It can be used in conjunction with the [Vci Avalon Initiator Wrapper](#) component to build an AVALON interconnect. It is compliant with the BVCI protocol. (limitations ?..)

2) Component definition & usage

[source:trunk/soclib/soclib/module/network_component/vci_avalon_target_wrapper/caba/metadata/vci_avalon_target_wrapper.h](#)

Uses('vci_avalon_target_wrapper', **vci_parameters, **avalon_parameters)

See [SoclibCc/VciParameters](#) and [SoclibCc/AvalonParameters](#)

3) CABA Implementation

CABA sources

- interface :
[source:trunk/soclib/soclib/module/network_component/vci_avalon_target_wrapper/caba/source/include/vci_avalon_target_wrapper.h](#)
- implementation :
[source:trunk/soclib/soclib/module/network_component/vci_avalon_target_wrapper/caba/source/src/vci_avalon_target_wrapper.cpp](#)

CABA Constructor parameters

VciAvalonTargetWrapper(sc_module_name name); // Instance Name

CABA Ports

- sc_in<bool> **p_resetn** : Global system reset
- sc_in<bool> **p_clk** : Global system clock
- soclib::caba::VciTarget<vci_param> **p_vci** : port to VCI target
- soclib::caba::AvalonSlave<avalon_param> **p_avalon** : port from Avalon Switch Fabric

4) TLM-T Implementation

There is no TLM-T implementation for this component.