

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](#)

```
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](#)
- implementation :
[source:trunk/soclib/soclib/module/network_component/vci_avalon_target_wrapper/caba/source/src/vci_avalon_target_wrapper](#)

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.