

VciAvalonInitiatorWrapper

1) Functional Description

This hardware component is a VciInitiator to Avalonbus wrapper compliant with the BVCI protocol. (limitations ?..)

2) Component definition & usage

[source:trunk/soclib/soclib/module/network_component/vci_avalon_initiator_wrapper/caba/metadata/vci_avalon_initiator_wr](#)

```
Uses( 'vci_avalon_initiator_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_initiator_wrapper/caba/source/include/vci_avalon](#)
- implementation :
[source:trunk/soclib/soclib/module/network_component/vci_avalon_initiator_wrapper/caba/source/src/vci_avalon_ini](#)

CABA Constructor parameters

```
VciAvalonInitiatorWrapper( 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 initiator
- soclib::caba::AvalonMaster<avalon_param> **p_avalon** : port from Avalon Switch Fabric

4) TLM-T Implementation

There is no TLM-T implementation for this component.