BusCom Class Documentation

Source File: 'Component.h'
Namespace: ca
Class Header: class BusCom : public MemCell

Overview

The *BusCom* abstract class provides a template for bus interconnection structures and represents a *MemCell* with neither extension nor attachment capabilities.

Constructors

- BusCom() (default constructor)

  - **Purpose**: Sets the default lengths of data, address, and control buses.

- BusCom(const BusCom& obj) (copy constructor) [deleted]

Destructor

- ~BusCom() [virtual]

  - **Purpose**: It does nothing.

Assignment Operator

- operator=(const BusCom& rhs) [deleted]

Methods

- data() const [pure virtual]

  - **Purpose**: Returns the index of the most significant bit of the bus's data bus.
  - **Return**: An integer (an index).

- addr() const [pure virtual]

  - **Purpose**: Returns the index of the most significant bit of the bus's address bus.
  - **Return**: An integer (an index).

- ctrl() const [pure virtual]

  - **Purpose**: Returns the index of the most significant bit of the bus's control bus.
  - **Return**: An integer (an index).