

||||| SUPPLIER section |||||

Code: QED4VCs 0.9  
 Version: 0.9  
 Rev: 0  
 Date Stamps: Defined: 2000-01-20  
                   Versioned: 2000-01-20  
 Organization: ID: Si2  
                   DUNS: 62-191-1718  
                   Name: Silicon Integration Initiative, Inc.  
                   Description: Non-profit consortium of semiconductor manufacturers, customers, and EDA vendors.

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||||| PROPERTY DET section |||||

-----NON.DEPENDENT.DET----- ID=qde-04

Names: Preferred: DUNS.Customer  
           Short: DUNS.Customer  
 Code: QDE-04  
 Version: 1  
 Rev: 0  
 Date Stamps: Defined: 2000-01-20  
                   Versioned: 2000-01-20  
 Definition: The Dun & Bradstreet international identification number for the Customer expressed in the usual format with embedded dashes after the second and fifth digits.  
 Source document of definition: ECIX QED 1.0  
 Application-specific Information: NAME=query VALUE=required  
 Application-specific Information: NAME=response VALUE=required  
 DET Classification: common  
 Value domain information:  
 Format specification (datatype, length, precision, etc.) [ISO 6093]: M 11

-----NON.DEPENDENT.DET----- ID=qde-03

Names: Preferred: DUNS.Supplier  
           Short: DUNS.Supplier  
 Code: QDE-03  
 Version: 1  
 Rev: 0  
 Date Stamps: Defined: 2000-01-20  
                   Versioned: 2000-01-20  
 Definition: The Dun & Bradstreet international identification number for the Supplier expressed in the usual format with embedded dashes after the second and fifth digits.  
 Source document of definition: ECIX QED 1.0  
 Application-specific Information: NAME=query VALUE=required  
 Application-specific Information: NAME=response VALUE=required  
 DET Classification: common  
 Value domain information:  
 Format specification (datatype, length, precision, etc.) [ISO 6093]: M 11

-----NON.DEPENDENT.DET----- ID=qde-09

Names: Preferred: **Key.Text**

Short: **Key.Text**

Code: **QDE-09**

Version: **1**

Rev: **0**

Date Stamps: Defined: **2000-01-20**

Versioned: **2000-01-20**

Definition: **Words, symbols, phrases, or sentences that contain key descriptors that identify applications, operational characteristics, or other words and phrases that customers would normally use in searching for a virtual component.**

**In a query: expression syntax is used.**

**In a response: the data can be any, supplier-chosen descriptive information for the virtual component.**

Source document of definition: **ECIX QED 1.0**

Remark: **Typically the supplier would return the abstract for virtual component, composed of the supplier's choice of information, usually a general description.**

Application-specific Information: NAME=query.syntax VALUE=**EX**

Application-specific Information: NAME=query VALUE=**allowed**

Application-specific Information: NAME=response VALUE=**required**

DET Classification: **common**

Value domain information:

Format specification (datatype, length, precision, etc.) [ISO 6093]: **M..256**

-----NON.DEPENDENT.DET----- ID=qde-20004

Names: Preferred: **Market.Segment**

Short: **Market.Segment**

Code: **QDE-20004**

Version: **1**

Rev: **0**

Date Stamps: Defined: **2000-01-20**

Versioned: **2000-01-20**

Definition: **The applicable market or end equipment for the virtual component.**

**In a query: expression syntax is used.**

**In a response: the actual market segment[s] shall be returned, however the names and format of these has not yet been standardized.**

Source document of definition: **Virtual Socket Interface Alliance Virtual Component Transfer Development Working Group VC Profiling Attribute Document, Version 1.0-011299**

Remark: **It will be necessary to standardize market segment names to insure that queries for a particular expression would return the same kinds of virtual components from different suppliers. Ideally, these should be expressed as value codes, and the "query.syntax" type should be changed to ML. If these segments are changing too rapidly, or cannot be standardized, then EX is the only alternative.**

Application-specific Information: NAME=query VALUE=**allowed**

Application-specific Information: NAME=response VALUE=**required**

Application-specific Information: NAME=query.syntax VALUE=**EX**

DET Classification: **common**

Value domain information:

Format specification (datatype, length, precision, etc.) [ISO 6093]: **M..256**

-----NON.DEPENDENT.DET----- ID=qde-20009

Names: Preferred: **Hardness**

Short: **Hardness**

Code: **QDE-20009**

Version: **1**

Rev: **0**

Date Stamps: Defined: **2000-01-20**

Versioned: **2000-01-20**

Definition: **The fundamental VC attribute that distinguishes the integration and adoption process of one VC from another, and on which all VSIA specifications are based.**

Source document of definition: **Virtual Socket Interface Alliance Virtual Component Transfer Development Working Group VC Profiling Attribute Document, Version 1.0-011299**

Application-specific Information: NAME=query VALUE=**allowed**

Application-specific Information: NAME=response VALUE=**required**

Application-specific Information: NAME=query.syntax VALUE=ML

DET Classification: common

Value domain information:

Format specification (datatype, length, precision, etc.) [ISO 6093]: A..4

Allowed values this DET can assume:

Value Code: Soft	Names: Preferred: Soft
	Short: Soft
Value Code: Firm	Names: Preferred: Firm
	Short: Firm
Value Code: Hard	Names: Preferred: Hard
	Short: Hard
Value Code: AMS	Names: Preferred: AMS
	Short: AMS
	Synonymous: Analog & Mixed Signal

-----NON.DEPENDENT.DET----- ID=qde-20010

Names: Preferred: Gate.Count

Short: Gate.Count

Code: QDE-20010

Version: 1

Rev: 0

Date Stamps: Defined: 2000-01-20

Versioned: 2000-01-20

Definition: The maximum equivalent number of NAND gates for the design in the specific library used by the VC Provider for verification.

A supplier is not required to respond to a query containing Gate.Count. In such a case the status "s.not.available" may be returned with the content "Gate.count.not.provided" to indicate to the customer that if the query is resent without Gate.Count then a match might be found.

Source document of definition: Virtual Socket Interface Alliance Virtual Component Transfer Development Working Group VC Profiling Attribute Document, Version 1.0-011299

Remark: Gate.Count enables users to estimate the VC die area and cost and assess the VC's impact on the overall chip design.

Application-specific Information: NAME=query VALUE=allowed

Application-specific Information: NAME=response VALUE=allowed

DET Classification: common

Value domain information:

Format specification (datatype, length, precision, etc.) [ISO 6093]: N..16

Units: gates

-----NON.DEPENDENT.DET----- ID=qde-20026

Names: Preferred: VC.ID

Short: VC.ID

Code: QDE-20026

Version: 1

Rev: 0

Date Stamps: Defined: 2000-01-20

Versioned: 2000-01-20

Definition: A unique VC identification number to be assigned by the VC Provider.

Source document of definition: Virtual Socket Interface Alliance Virtual Component Transfer Development Working Group VC Profiling Attribute Document, Version 1.0-011299

Application-specific Information: NAME=query VALUE=allowed

Application-specific Information: NAME=response VALUE=allowed

DET Classification: common

Value domain information:

Format specification (datatype, length, precision, etc.) [ISO 6093]: M..32

-----NON.DEPENDENT.DET----- ID=qde-20027

Names: Preferred: Class

Short: Class

Code: QDE-20027

Version: 1

Rev: 0

Date Stamps: Defined: 2000-01-20

Versioned: 2000-01-20

Definition: **The general functional behavior category or classification of the VC.**

In a query: one or more class identifier[s] in the VC taxonomy

In a response: the single class identifier for this VC in the standard VC taxonomy.

Source document of definition: **Virtual Socket Interface Alliance Virtual Component Transfer Development Working Group VC Profiling Attribute Document, Version 1.0-011299**

Remark: **Note this is "query.syntax" ML to allow queries on multiple classes (groups of VCs) since there are no hierarchical "parent" classes in the standard dictionary: only "leaf nodes". Any implementation of a user interface may present any arbitrary hierarchy of classes familiar to users (which may differ from site to site). However, the interface software shall translate a site-specific "parent" class into the ML set of actual standard dictionary classes that comprise it.**

**Example: Processor - 32-bit.**

Application-specific Information: NAME=query VALUE=allowed

Application-specific Information: NAME=response VALUE=required

Application-specific Information: NAME=query.syntax VALUE=ML

DET Classification: common

Value domain information:

Format specification (datatype, length, precision, etc.) [ISO 6093]: M..128

-----NON.DEPENDENT.DET----- ID=qde-20028

Names: Preferred: **Compliant.Standard**

Short: **Compliant.Standard**

Code: **QDE-20028**

Version: 1

Rev: 0

Date Stamps: Defined: 2000-01-20

Versioned: 2000-01-20

Definition: **The name(s) and version information of all standard(s) to which the VC is complies.**

Source document of definition: **Virtual Socket Interface Alliance Virtual Component Transfer Development Working Group VC Profiling Attribute Document, Version 1.0-011299**

Remark: **Examples: VSIA OCB 1 2.0, IEEE1284 rev 2.**

**It will be necessary to standardize the syntax for expression of compliant standards in order to insure that queries for a particular expression would return the same virtual components from two different suppliers. If the set of such standards is not too large, and if the set is not changing rapidly, the simplest solution is to express the individual standards of interest as value codes, in which case the "query.syntax" type should be changed to ML. If this is not possible, then perhaps a uniform syntax for expressing Org, Name, Version, Revision can be defined. If even this is not feasible, then EX is the only alternative.**

Application-specific Information: NAME=query VALUE=allowed

Application-specific Information: NAME=response VALUE=required

Application-specific Information: NAME=query.syntax VALUE=EX

DET Classification: common

Value domain information:

Format specification (datatype, length, precision, etc.) [ISO 6093]: M..256

-----NON.DEPENDENT.DET----- ID=qde-20029

Names: Preferred: **Manufacturer.Name**

Short: **Manufacturer.Name**

Code: **QDE-20029**

Version: 1

Rev: 0

Date Stamps: Defined: 2000-01-20

Versioned: 2000-01-20

Definition: **The name of the actual manufacturer of the VC.**

Source document of definition: **VSIA VCT DWG**

Remark: **Manufacturer.Name may be included in the case that the information supplier identified by the DUNS.Supplier is not the actual manufacturer (but, for example, a distributor).**

Application-specific Information: NAME=query VALUE=allowed

Application-specific Information: NAME=response VALUE=required

Application-specific Information: NAME=query.syntax VALUE=EX

DET Classification: common

Value domain information:

Format specification (datatype, length, precision, etc.) [ISO 6093]: M..256

||||| TERM section |||||

-----TERM----- ID=d-001

Names: Preferred: **Datasheet.PDF**  
Short: **Datasheet**  
Synonymous: **PDF**

Code: **D-001**  
Version: **1**  
Rev: **0**

Date Stamps: Defined: **2000-01-20**  
Versioned: **2000-01-20**

Definition: **The virtual component datasheet in PDF format. The PDF may be any revision level.**

-----TERM----- ID=d-002

Names: Preferred: **TimingDiagram.TDML**  
Short: **TimingDiagram**  
Synonymous: **TDML**

Code: **D-003**  
Version: **1**  
Rev: **0**

Date Stamps: Defined: **2000-01-20**  
Versioned: **2000-01-20**

Definition: **Interactive timing diagram information marked up according to the ECIX TDML specification. The TDML may be any revision level.**

-----TERM----- ID=s-001

Names: Preferred: **Request.objects.individually**  
Short: **Notavailable001**

Code: **S-001**  
Version: **1**  
Rev: **0**

Date Stamps: Defined: **2000-01-20**  
Versioned: **2000-01-20**

Definition: **The QUERY requested more than one DATA.OBJECT, but the supplier is not prepared to handle simultaneous requests. Queries should be resent requesting one object at a time.**

-----TERM----- ID=s-002

Names: Preferred: **Try.later**  
Short: **Fail01**

Code: **S-002**  
Version: **1**  
Rev: **0**

Date Stamps: Defined: **2000-01-20**  
Versioned: **2000-01-20**

Definition: **The S.FAIL status condition is due to a temporary internal condition that is expected to be fixed in the near future.**

-----TERM----- ID=s-003

Names: Preferred: **Not.authorized**  
Short: **Notavailable002**

Code: **S-003**  
Version: **1**  
Rev: **0**

Date Stamps: Defined: **2000-01-20**  
Versioned: **2000-01-20**

Definition: **The DATA.OBJECT requested may be available, however, a further relationship between the partners must be established before further information about this DATA.OBJECT can be provided.**

-----TERM----- ID=s-004

Names: Preferred: **Gate.count.not.provided**  
Short: **Notavailable003**

Code: **S-004**

Version: 1

Rev: 0

Date Stamps: Defined: 2000-01-20

Versioned: 2000-01-20

Definition: Information for a VC might be available, however, this supplier does not respond to queries for Gate.Count. Retransmission of the same query without Gate.Count might return a match.