EDIF 3 0 0 example:

```
(cell addsub_4 (cellHeader …)
    (cluster . . .
        (interface
      . . . .
```

3. Instance Name

```
        (nameInformation
            (primaryName "Q0"
                (nameStructure
                    (complexName "Q"
                            (nameDimension
                                (nameDimensionStructure 0)))))))
    (port Q1 (outputPort)
        (nameInformation
            (primaryName "Q1"
                (nameStructure
                    (complexName "Q"
                            (nameDimension
                                (nameDimensionStructure 1)))))))
    (portBundle Q
        (portList
            (portRef Q1)
            (portRef Q0))
        (nameInformation
            (primaryName "Q[1:0]"
                    (nameStructure
                    (complexName "Q"
                            (nameDimension
                                (nameDimensionStructure
                                    (sequence 1 0)))))))))
```

Both input numbers and bus numbers start with zero as the least significant bit. And the *rename* construct that used to hold original name in EDIF 2 0 0 is replaced by the *primaryName* in the *nameInformation* construct.

1.2.3 PROPERTIES

All the properties are well defined in their respective LPM module of chapter four. The following properties are listed due to their universal nature among all LPM modules.

1.2.3.1 LPM_TYPE Property

```
(property LPM_TYPE (string "LPM_AND"))
```

EDIF 3 0 0 example:

1.3.3 EDIF 3 0 0 Description

```
(edif fibex
    (edifVersion 3 0 0)
     (edifHeader
        (edifLevel 0)
        (keywordMap
            (k0KeywordLevel))
        (fontDefinitions)
        (physicalDefaults)
        (status
            (copyright (year 1998) "Altera Corporation")
            (comment "LPM Version 3 0 0 Example")
             (written
            (dataOrigin "Altera Corporation")
                (program "MAX+plus II 9.0")))
        (nameInformation
            (primaryName "fibex"))
        (physicalScaling
            (connectivityUnits
                (setTime (unitRef ns)))))
    (library fibex
        (libraryHeader
            (edifLevel 0)
            (nameCaseSensitivity)
            (technology
                (physicalScalins5otyUnits
            (edifLevel 0)
```

```
                    (complexName "Q"
                        (nameDimension
                            (nameDimensionStructure 2)))))))
(port Q3 (outputPort)
    (nameInformation
```

```
        (portRef DATAB0))
    (nameInformation
        (primaryName "DATAB[3:0]"
            (nameStructure
                (complexName "DATAB"
                    (nameDimensi.65 ATAB0))
```