

DiscreteDomain

```
classDiagram
    class DiscreteDomain
    class GQCP_RMullikenDomain["GQCP::RMullikenDomain<_Scalar>"] {
        +partitionMatrix()
        +projectionMatrix()
    }
    DiscreteDomain <|-- GQCP_RMullikenDomain
```

The diagram illustrates a class hierarchy. At the top is the 'DiscreteDomain' class, represented by a rectangle with three horizontal compartments. The top compartment contains the class name. Below it are two empty compartments. At the bottom is the 'GQCP::RMullikenDomain' class, represented by a shaded rectangle with three horizontal compartments. The top compartment contains the class name and a template parameter '<_Scalar>'. The middle compartment is empty. The bottom compartment contains two public methods: '+ partitionMatrix()' and '+ projectionMatrix()'. A blue arrow points from the top of the 'GQCP::RMullikenDomain' class to the bottom of the 'DiscreteDomain' class, indicating inheritance.

GQCP::RMullikenDomain
<_Scalar>

+ partitionMatrix()
+ projectionMatrix()