

DiscreteDomain

```
classDiagram
    class DiscreteDomain {
    }
    class GQCP_RMullikenDomain["GQCP::RMullikenDomain"] {
        +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 with an open triangular head points from the top of the 'GQCP::RMullikenDomain' class to the bottom of the 'DiscreteDomain' class, indicating inheritance.

GQCP::RMullikenDomain  
< \_Scalar >

+ partitionMatrix()  
+ projectionMatrix()