

DiscreteDomain

```
classDiagram
    class DiscreteDomain {
    }
    class GQCP_GMullikenDomain["GQCP::GMullikenDomain"] {
        +partitionMatrix()
        +projectionMatrix()
    }
    GQCP_GMullikenDomain --|> DiscreteDomain
```

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

GQCP::GMullikenDomain
< _Scalar >

+ partitionMatrix()
+ projectionMatrix()