

DiscreteDomain

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

The diagram illustrates a class hierarchy. At the top is the 'DiscreteDomain' class, represented by a white rectangle with a black border, divided into three horizontal sections. The top section contains the class name. Below it is the 'GQCP::GMullikenDomain <_Scalar>' class, represented by a gray rectangle with a black border, also divided into three horizontal sections. The top section contains the class name, the middle section is empty, and the bottom section contains two public methods: '+ partitionMatrix()' and '+ projectionMatrix()'. A blue arrow with a hollow triangular head points from the top of the 'GQCP::GMullikenDomain' class to the bottom of the 'DiscreteDomain' class, indicating that 'GQCP::GMullikenDomain' inherits from 'DiscreteDomain'.

GQCP::GMullikenDomain
<_Scalar>

+ partitionMatrix()
+ projectionMatrix()