

DiscreteDomain

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

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::UMullikenDomainComponent <_Scalar>' class, represented by a rectangle with three horizontal compartments. The top compartment contains the class name. 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::UMullikenDomainComponent <_Scalar>' class to the bottom of the 'DiscreteDomain' class, indicating inheritance.

GQCP::UMullikenDomainComponent
<_Scalar>

+ partitionMatrix()
+ projectionMatrix()