

# Introduction

This is a direct port of the [chia bls typescript library](#)<sup>↗</sup>. Coding style and naming have been converted to C# conventions but otherwise it is very similar in API.

All of the unit tests from the original project have been ported and pass.

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# Namespace chia.dotnet.bls

## Classes

### [AffinePoint](#)

Represents an affine point on an elliptic curve.

### [AugSchemeMPL](#)

Provides extension methods for the AugSchemeMPL signature scheme. This is the scheme Chia uses for its signatures.

### [ByteUtils](#)

Extension methods for working with byte arrays and conversions.

### [Hmac](#)

Provides methods for HMAC (Hash-based Message Authentication Code) operations.

### [JacobianPoint](#)

Represents a point in Jacobian coordinates on an elliptic curve. It can represent both a PublicKey and a Signature.

### [KeyDerivation](#)

Provides methods for key derivation in the BLS cryptography library.

### [PrivateKey](#)

Represents a private key used in BLS cryptography.

## Enums

### [Endian](#)

Enum representing the endianness of byte arrays.