

Start

Sequence Pair

SA for Hard Module

Modified Prim's Algorithm

Overlap Minimization

Segment Creation

**Bus Ordering &
Coordinate Determination**

Coordinate Adjustment

Layer Assignment

**Orientation Determination
& Deviation Minimization**

Termination?

No

Perturbation

Yes

**Orientation Determination
& Deviation Minimization**

SA for Soft Module

Soft Module Adjustment

Termination?

No

Yes

End

