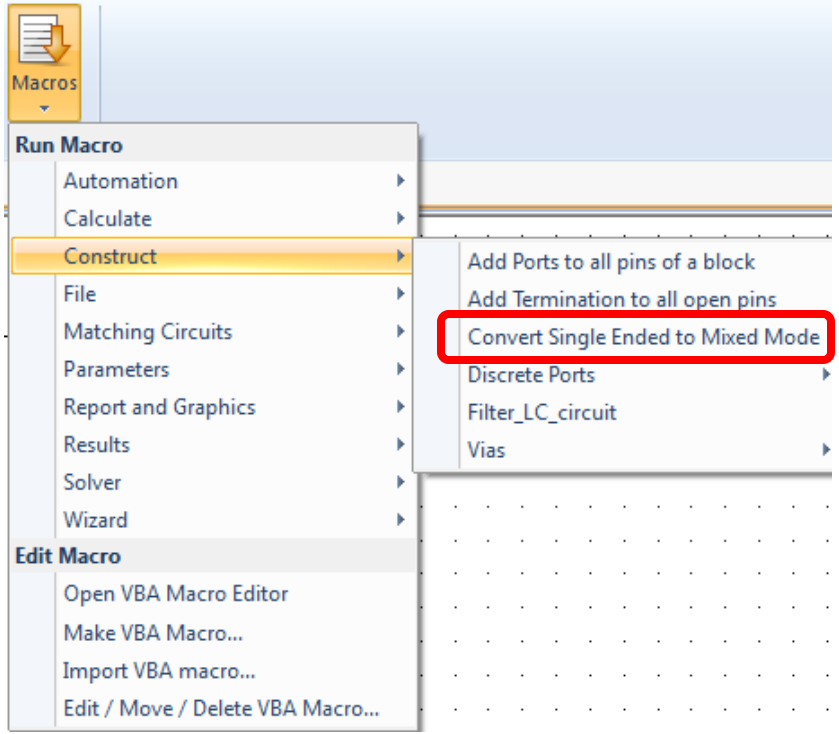
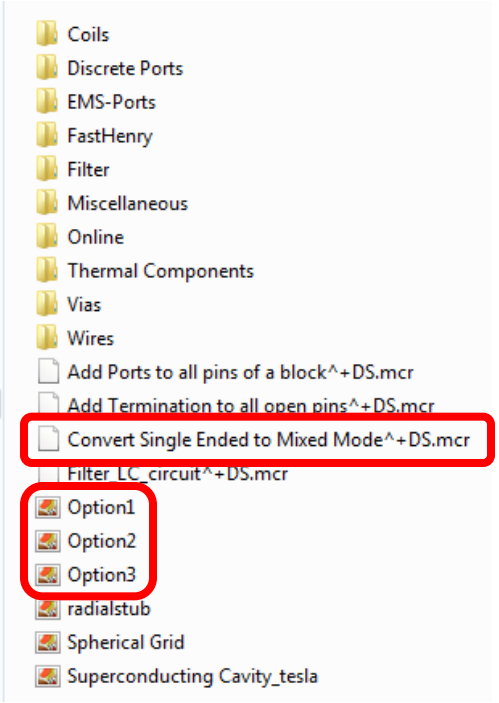
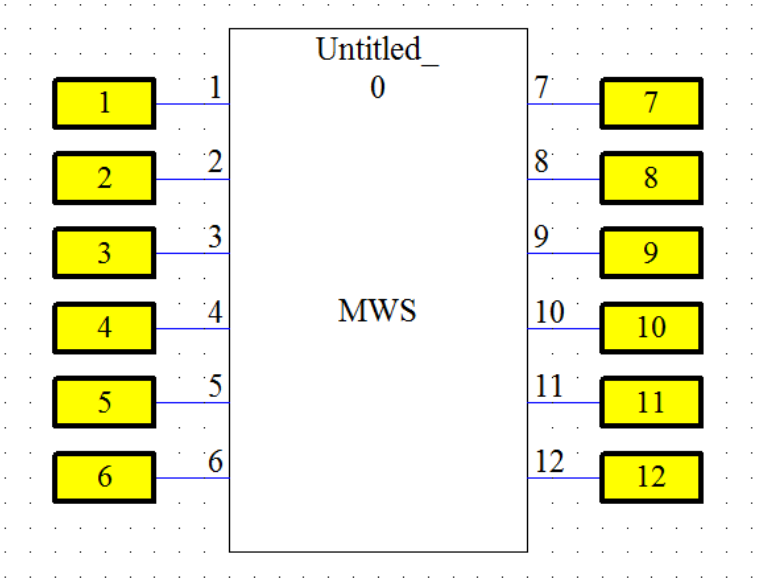
Macro

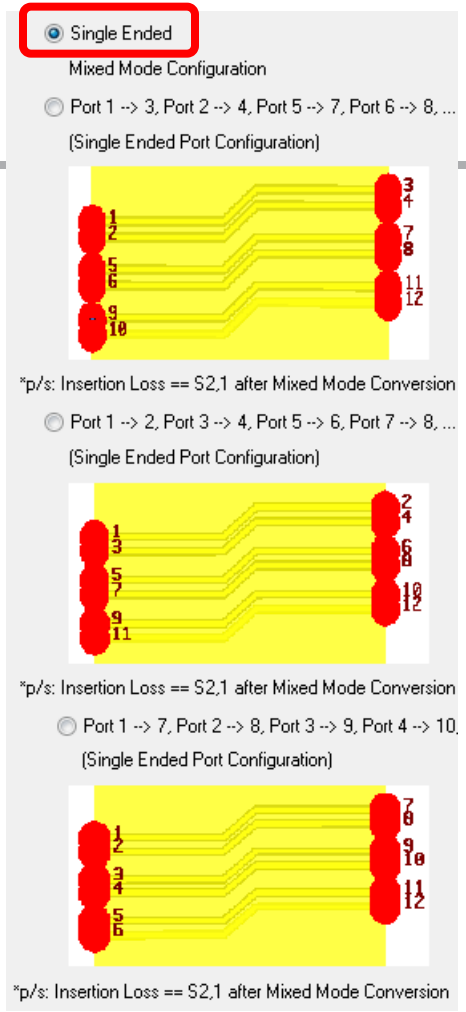


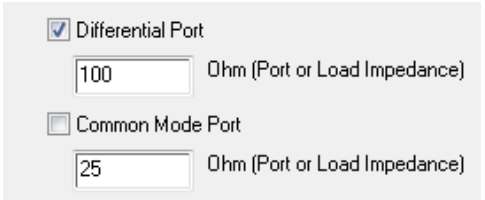
Installation path + \CST STUDIO SUITE \Library\Macros\Construct



Single Ended Option

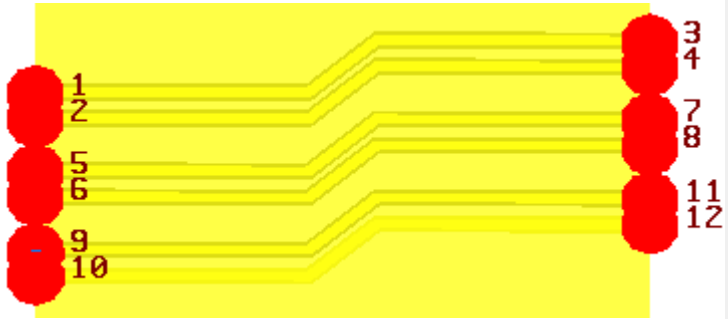






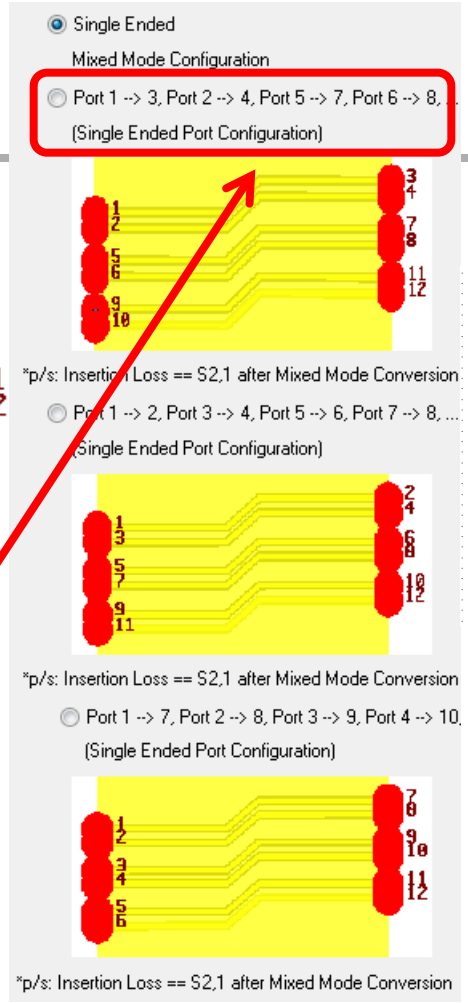
1. **External Port will be created if the options are checked. Otherwise, termination load will be created**
2. **Common Mode Port will be numbered after Differential Port**
3. **Impedance will be defined on either external port or termination load (depends on choices)**
4. **S2,1 will be insertion loss (differential or common mode if differential port is not defined)**

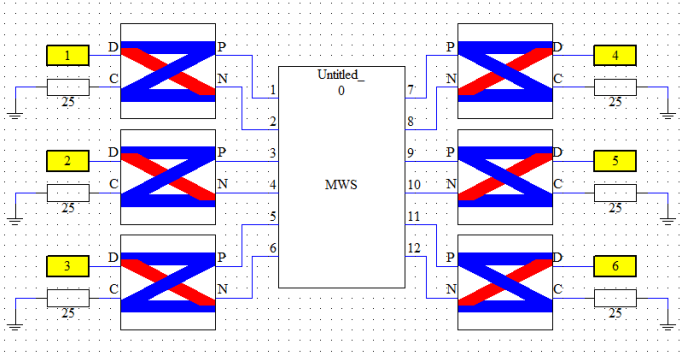
Option 1



Single Ended Configuration

Port 1 → Port 3
Port 2 → Port 4
.
.
.
.
Port 10 → Port 12

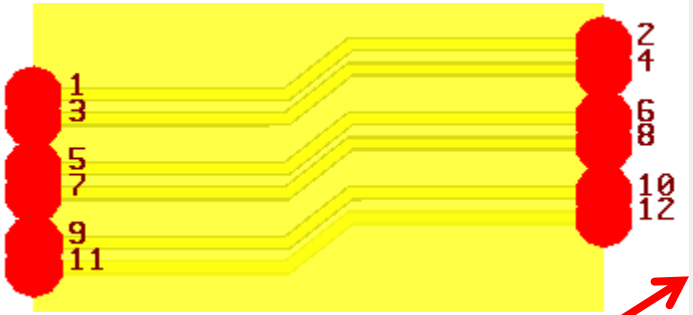




P → Port 1 ... P → Port 3
N → Port 2 ... N → Port 4

S2,1 → Differential Insertion Loss

Option 2

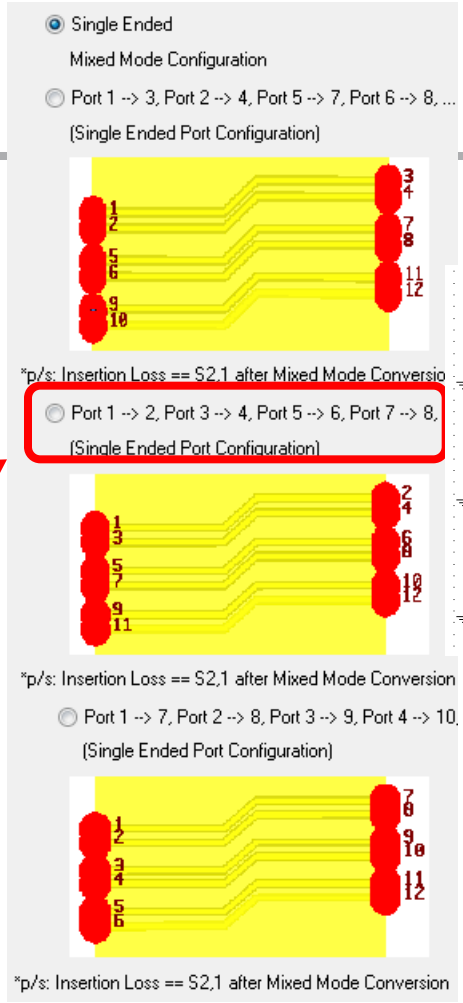


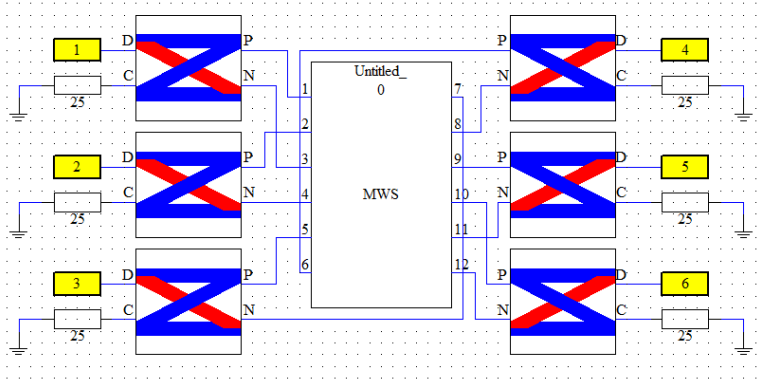
Single Ended Configuration

Port 1 → Port 2
Port 3 → Port 4

.
.
.
.

Port 10 → Port 12

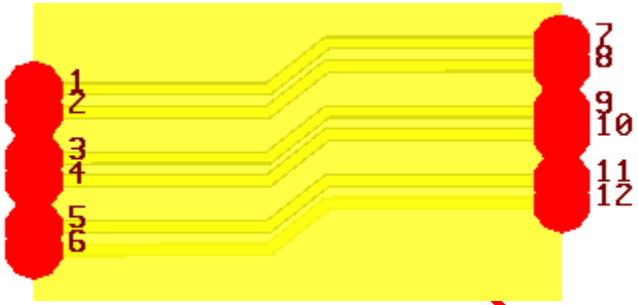




P → Port 1 ... P → Port 2
N → Port 3 ... N → Port 4

S2,1 → Differential Insertion Loss

Option 3

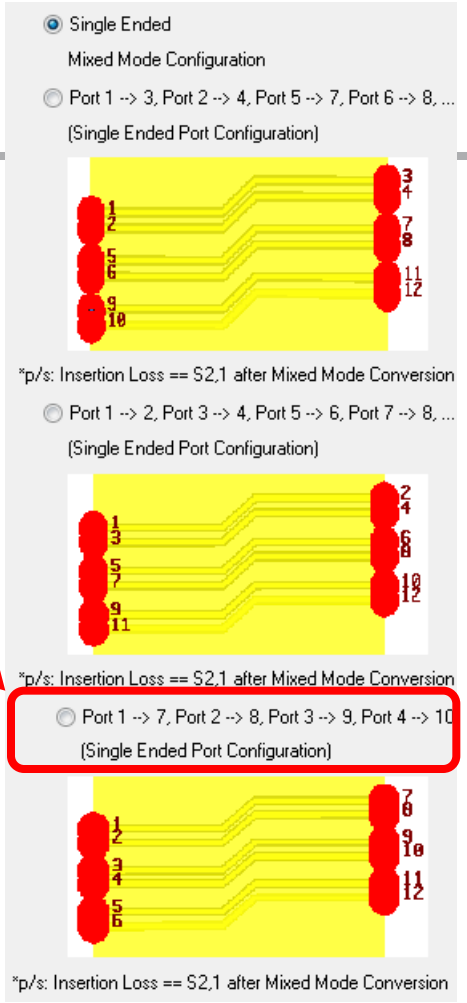


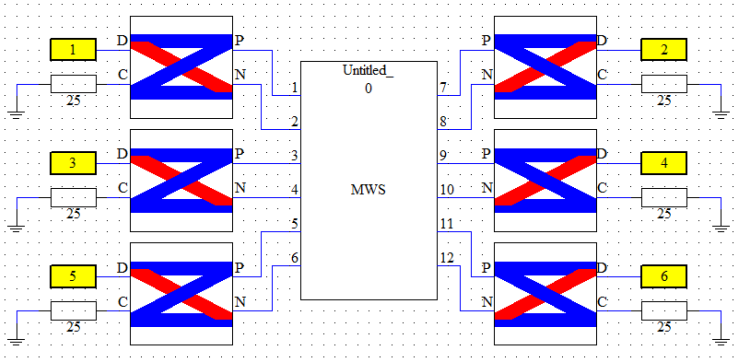
Single Ended Configuration

Port 1 → Port 7
Port 2 → Port 8

.
.
.
.

Port 6 → Port 12





P → Port 1 ... P → Port 7
N → Port 2 ... N → Port 8

S2,1 → Differential Insertion Loss