



## Array Switching Truth Tables

### 3 element switching

Direction 1 (N)	Ctrl 1 Gnd
Direction 2	Ctrl 3 & 4 Gnd
Direction 3	Ctrl 2 Gnd
Direction 4	Ctrl 1 & 4 Gnd
Direction 5	Ctrl 3 Gnd
Direction 6	Ctrl 2 & 4 Gnd

### 4 element switching

Direction 1 (NW)	No action
Direction 2	Ctrl 1 Gnd
Direction 3	Ctrl 2 Gnd
Direction 4	Ctrl 1 & 2 Gnd

### 4-8 Pro 8 element switching

Direction 1 (N)	No action
Direction 2	Ctrl 3 Gnd
Direction 3	Ctrl 1 Gnd
Direction 4	Ctrl 1 & 3 Gnd
Direction 5	Ctrl 2 Gnd
Direction 6	Ctrl 2 & 3 Gnd
Direction 7	Ctrl 1&2 Gnd
Direction 8	Ctrl 1 & 2 & 3 Gnd

### 8 Element single band arrays

Direction 1 (N)	Ctrl 1 Gnd
Direction 2	Ctrl 2 Gnd
Direction 3	Ctrl 3 Gnd
Direction 4	Ctrl 4 Gnd
Direction 5	Ctrl 1 & 5 Gnd
Direction 6	Ctrl 2 & 5 Gnd
Direction 7	Ctrl 3 & 5 Gnd
Direction 8	Ctrl 4 & 5 Gnd

All other Ctrl lines should remain at power supply voltage when not switched.