

## Bus States

```

SW-Port    = 0
SW-SINP    = 1    BDIR = 0
SW-SOUT     = 0          R/E = 0    PSG1_A8 = 1
SW-PWRNOT= 0    BC2   = 1          Read Data from PSG1
SW-PDBIN    = 1          B/E = 1    PSG2_A8 = 0          (DTB Mode)
SW-A0       = 1    BC1   = 1
SW-A1       = 0

```

```

SW-Port    = 0
SW-SINP    = 1      BDIR = 0
SW-SOUT     = 0      R/E = 0   PSG1_A8 = 0
SW-PWRNOT   = 0      BC2  = 1      Read Data from PSG2
SW-PDBIN    = 1      B/E = 1   PSG2_A8 = 1      (DTB Mode)
SW-A0       = 1      BC1  = 1
SW-A1       = 1

```

```

SW-Port    = 0
SW-SINP    = 0      BDIR = 1
SW-SOUT     = 1      R/E = 1   PSG1_A8 = 1
SW-PWRNOT   = 0      BC2  = 0      Latch Address on PSG1
SW-PDBIN    = 0      B/E = 1   PSG2_A8 = 0      (BAR Mode)
SW-A0       = 0      BC1  = 0
SW-A1       = 0

```

```

SW-Port    = 0
SW-SINP    = 0      BDIR = 1
SW-SOUT     = 1      R/E = 1   PSG1_A8 = 0
SW-PWRNOT   = 0      BC2  = 0      Latch Address on PSG2
SW-PDBIN    = 0      B/E = 1   PSG2_A8 = 1      (BAR Mode)
SW-A0       = 0      BC1  = 0
SW-A1       = 1

```

```

SW-Port    = 0
SW-SINP    = 0      BDIR = 1
SW-SOUT     = 1      R/E = 1   PSG1_A8 = 1
SW-PWRNOT   = 0      BC2  = 1      Write to PSG1
SW-PDBIN    = 0      B/E = 1   PSG2_A8 = 0      (DWS Mode)
SW-A0       = 1      BC1  = 0
SW-A1       = 0

```

## Bus States

```
SW-Port   = 0
SW-SINP   = 0   BDIR = 1
SW-SOUT   = 1           R/E = 1   PSG1_A8 = 0
SW-PWRNOT= 0   BC2  = 1           Write to PSG2
SW-PDBIN  = 0           B/E = 1   PSG2_A8 = 1   (DWS Mode)
SW-A0     = 1   BC1  = 0
SW-A1     = 1
```

---

```
SW-Port   = 1
SW-SINP   = x   BDIR = 0
SW-SOUT   = x           R/E = 1   PSG1_A8 = 0
SW-PWRNOT= x   BC2  = 0           Inactive neither PSG1 or PSG2
SW-PDBIN  = x           B/E = 0   PSG2_A8 = 0   (NACT Mode)
SW-A0     = x   BC1  = 0
SW-A1     = x
```

---

```
SW-Port   = 0
SW-SINP   = x   BDIR = 0
SW-SOUT   = x           R/E = 1   PSG1_A8 = 1
SW-PWRNOT= 1   BC2  = 0           Inactive PSG1
SW-PDBIN  = 0           B/E = 0   PSG2_A8 = 0   (NACT Mode)
SW-A0     = x   BC1  = 0
SW-A1     = 0
```

---

```
SW-Port   = 0
SW-SINP   = x   BDIR = 0
SW-SOUT   = x           R/E = 1   PSG1_A8 = 1
SW-PWRNOT= 1   BC2  = 0           Inactive PSG2
SW-PDBIN  = 0           B/E = 0   PSG2_A8 = 0   (NACT Mode)
SW-A0     = x   BC1  = 0
SW-A1     = 1
```