CLAIMS

1. A print component (30) comprising:

at least one data pad (32);

a clock pad (34) to receive an intermittent clock signal;

an actuator group (36) corresponding to the data pad (32), the actuator group (36) including:

a plurality of configuration functions (38) for configuring an operational setup of a corresponding actuator group (36);

an array of fluid actuators (40); and

an array of memory elements (50) including a first portion (52) corresponding to the plurality of configuration functions (38) and a second portion (54) corresponding to the array of fluid actuators (40), the array of memory elements (50) configured to:

receive the intermittent clock signal from the clock pad (34), and

each time the intermittent clock signal is present on the clock pad (34), serially load a segment of data bits from the data pad (32), including:

loading a first portion of data bits of the segment of data bits into the first portion of memory elements (52) corresponding to the plurality of configuration functions (38), and

loading a second portion of data bits of the segment of data bits into the second portion of memory elements (54) corresponding to the array of fluid actuators (40).

2. The print component (30) of claim 1, the array of memory elements (50) comprising a chain of memory elements adapted to function as a serial-to-parallel data converter.

3. The print component (30) of claim 2, the array of memory elements (50) comprising a sequential logic circuit.

4. The print component (30) of claim 3, the sequential logic circuit adapted to function as a serial-in, parallel-out shift register.

5. The print component (30) of any of claims 1-4, the fluid actuators of the array of fluid actuators (40) arranged to form a plurality of primitives, each primitive having a same number of fluid actuators, each memory element of the second portion of memory elements (54) corresponding to a different one of the primitives.

6. The print component (30) of claim 5, each primitive having primitive memory.

7. The print component (30) of claim 6, including a mode pad (78) to receive a mode signal (79), a data value stored in each memory element of the second portion of memory elements (54) corresponding to one of the fluid actuators or to the primitive memory depending on a state of the mode signal (79) on the mode pad (78).

8. The print component (30) of any of claims 1-7, including a fire pad (70) to receive a fire signal (72), each memory element of the array of memory elements (50) to latch the data value stored therein to a corresponding memory element in response to a fire signal (72) on the fire pad (70).

9. The print component (30) of any of claims 1-8, the print component (30) comprising a printhead.

10. The print component (30) of any of claims 1-9, the plurality of configuration functions (38) comprising an address driver function, a fire pulse control function and a sensor configuration function.