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DAC-Arduino, SPOT

Data

Writing to DAC Register: R/$\overline{W}$ (writing to DAC) | Register address | [18-bits data] | X X (don't care)

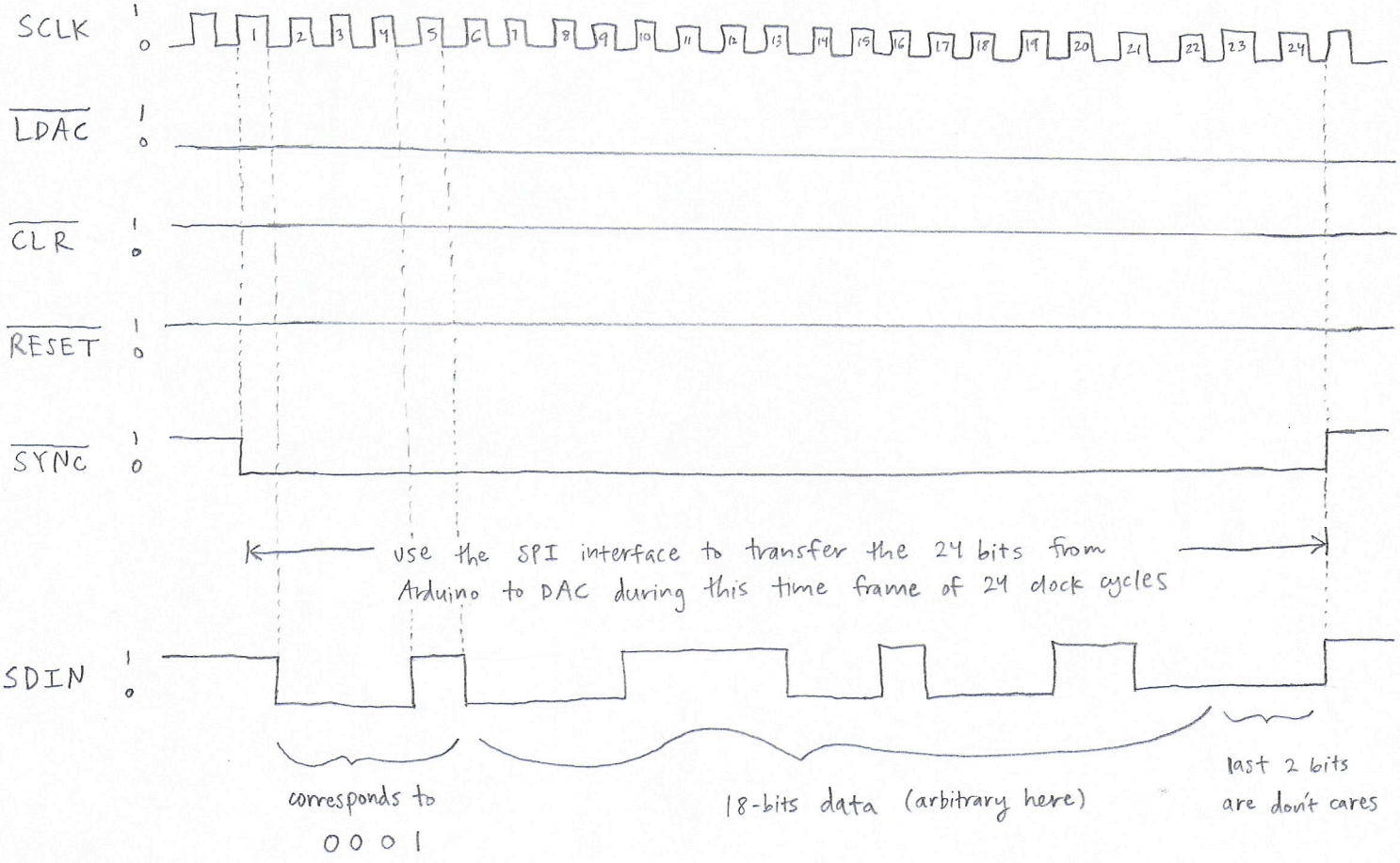
0 0 0 1 [18-bits data] X X

Hardware control Pins:

$\overline{LDAC}$ = 0
$\overline{CLR}$ = 1
$\overline{RESET}$ = 1

} function: output set according to DAC register value

Timing Diagram



Note: Data is clocked into the input shift register (SDIN) on the falling edge of the serial clock input (SCLK)

* In order for output to be updated after writing, $\overline{LDAC}$ must be taken low while $\overline{SYNC}$ is high.