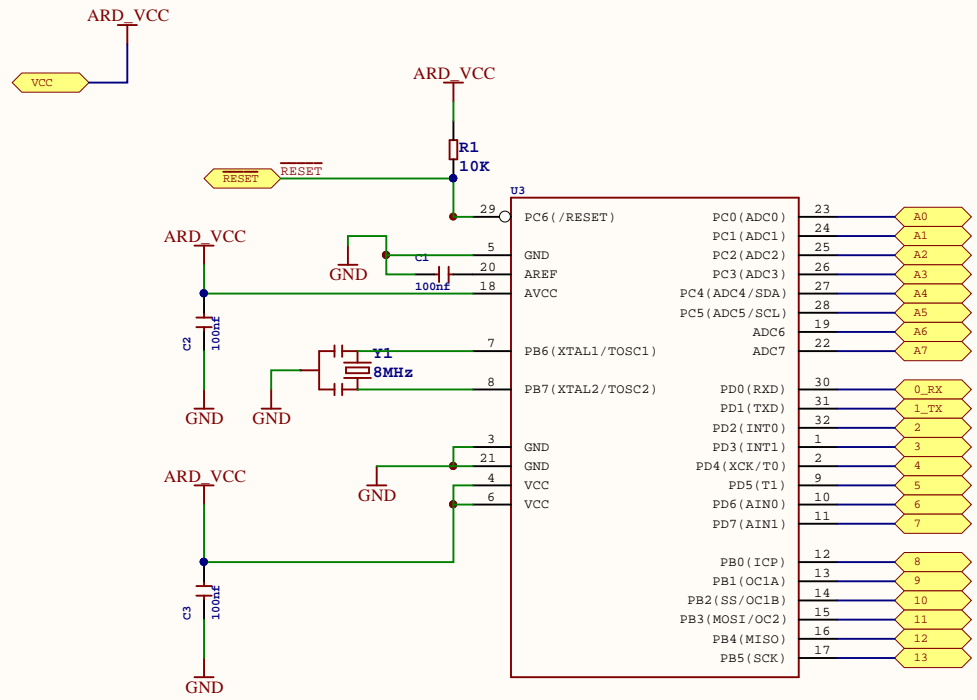
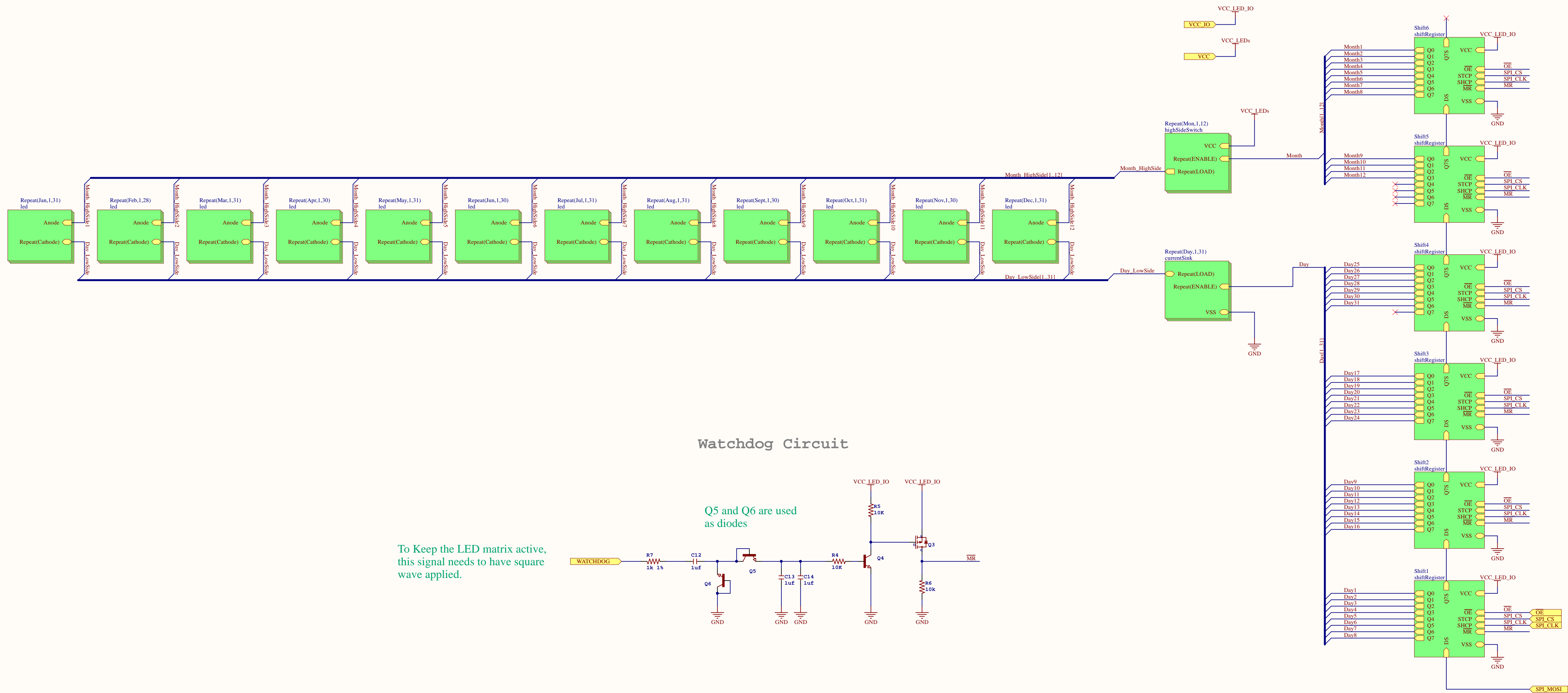


Arduino ATMEGA328P

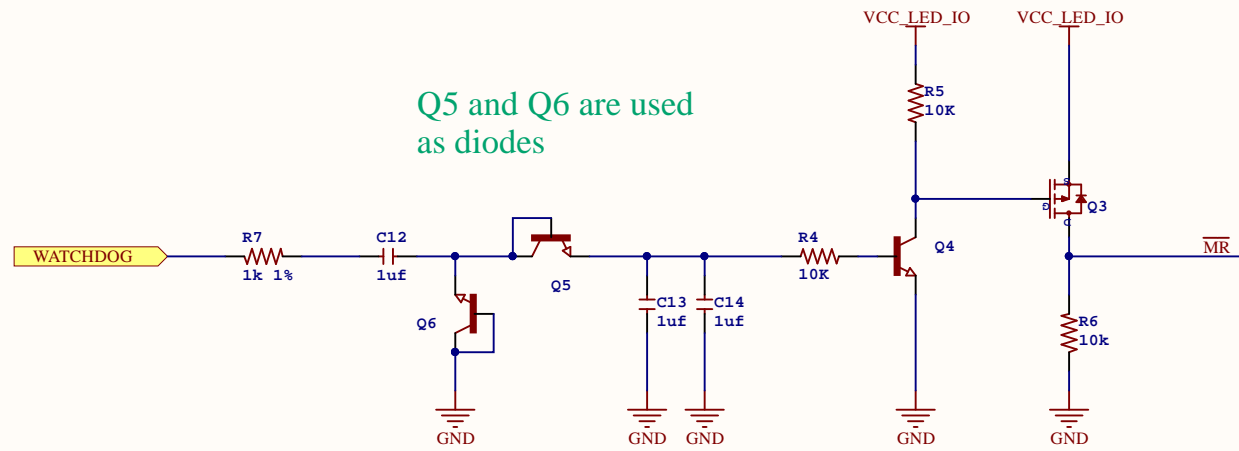


Title		
Size	Number	Revision
A		
Date:	4/1/19	Sheet of
File:	\\.\arduino.SchDoc	Drawn By:



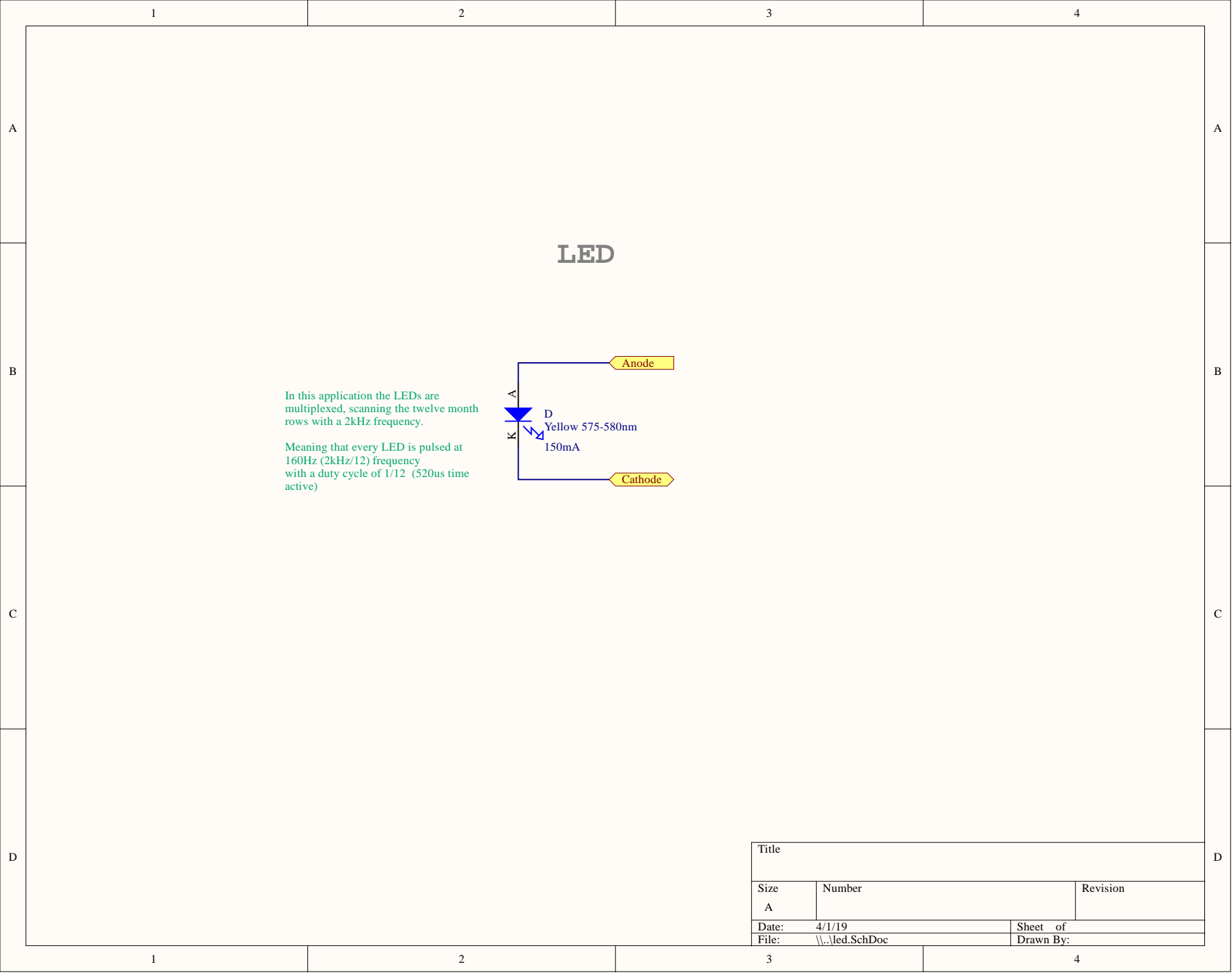
The Month columns and Day rows are wired with different endianness

## Watchdog Circuit

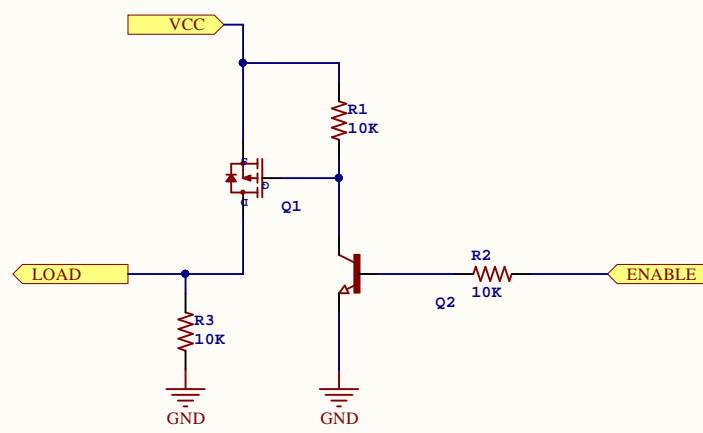


To Keep the LED matrix active, this signal needs to have square wave applied.

Title			
Size A	Number		Revision
Date:	4/1/19	Sheet	of
File:	\\...\ledMatrix.SchDoc	Drawn By:	

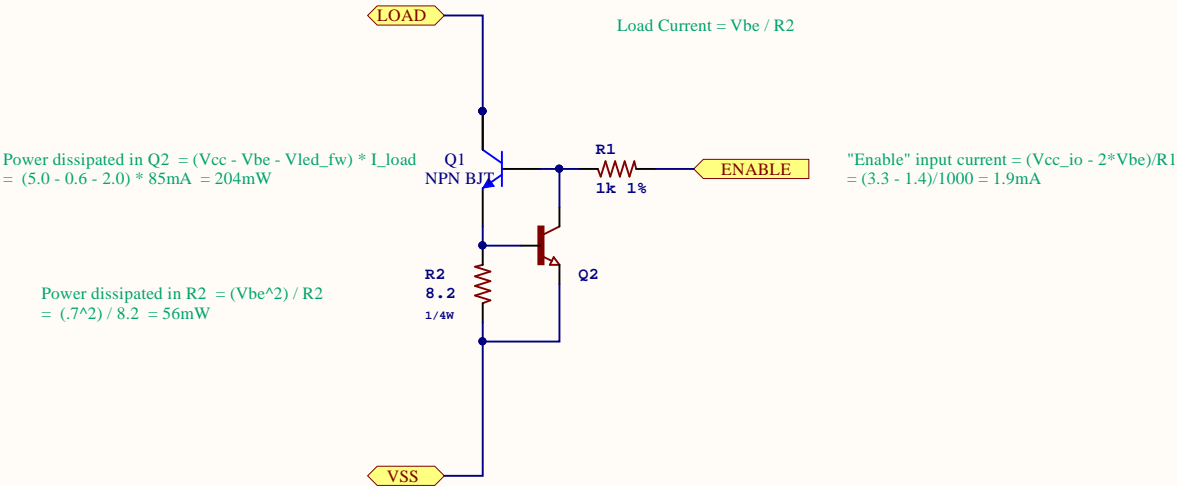


# High-Side Switch



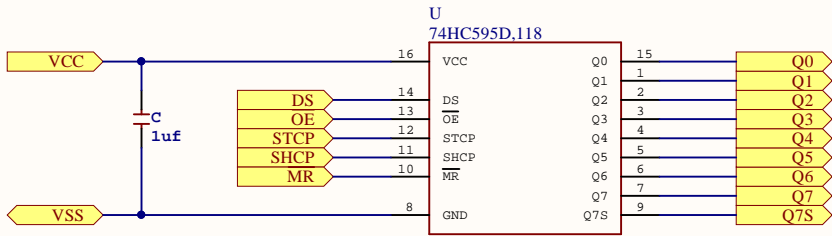
Title		
Size	Number	Revision
A		
Date:	4/1/19	Sheet of
File:	\\.\highSideSwitch.SchDoc	Drawn By:

# 80mA Current Sink



Title		
Size A	Number	Revision
Date:	4/1/19	Sheet of
File:	\\.\currentSink.SchDoc	Drawn By:

Shift Register



Maximum drive current of ±6mA per output

Title		
Size A	Number	Revision
Date:	4/1/19	Sheet of
File:	\\.\shiftRegister.SchDoc	Drawn By:

A

B

C

D

A

B

C

D

# Mounting Hardware

M3 Male-Female standoffs with 6mm height



Title		
Size A	Number	Revision
Date:	4/1/19	Sheet of
File:	\\.\mountingHardware.SchDoc	Drawn By: