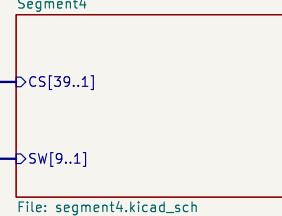
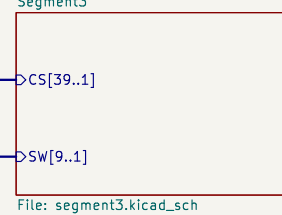
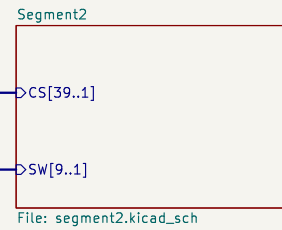
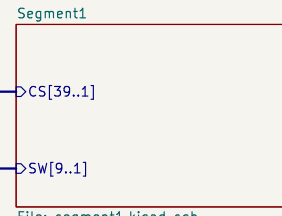
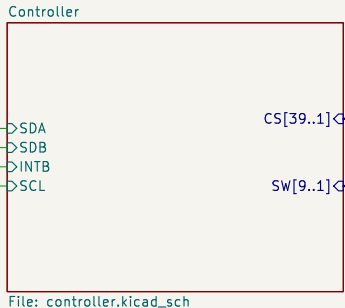
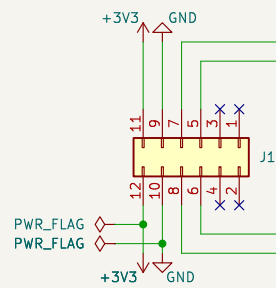


PMod Connector



Licensed Under CERN Open Hardware Licence Version 2 – Permissive

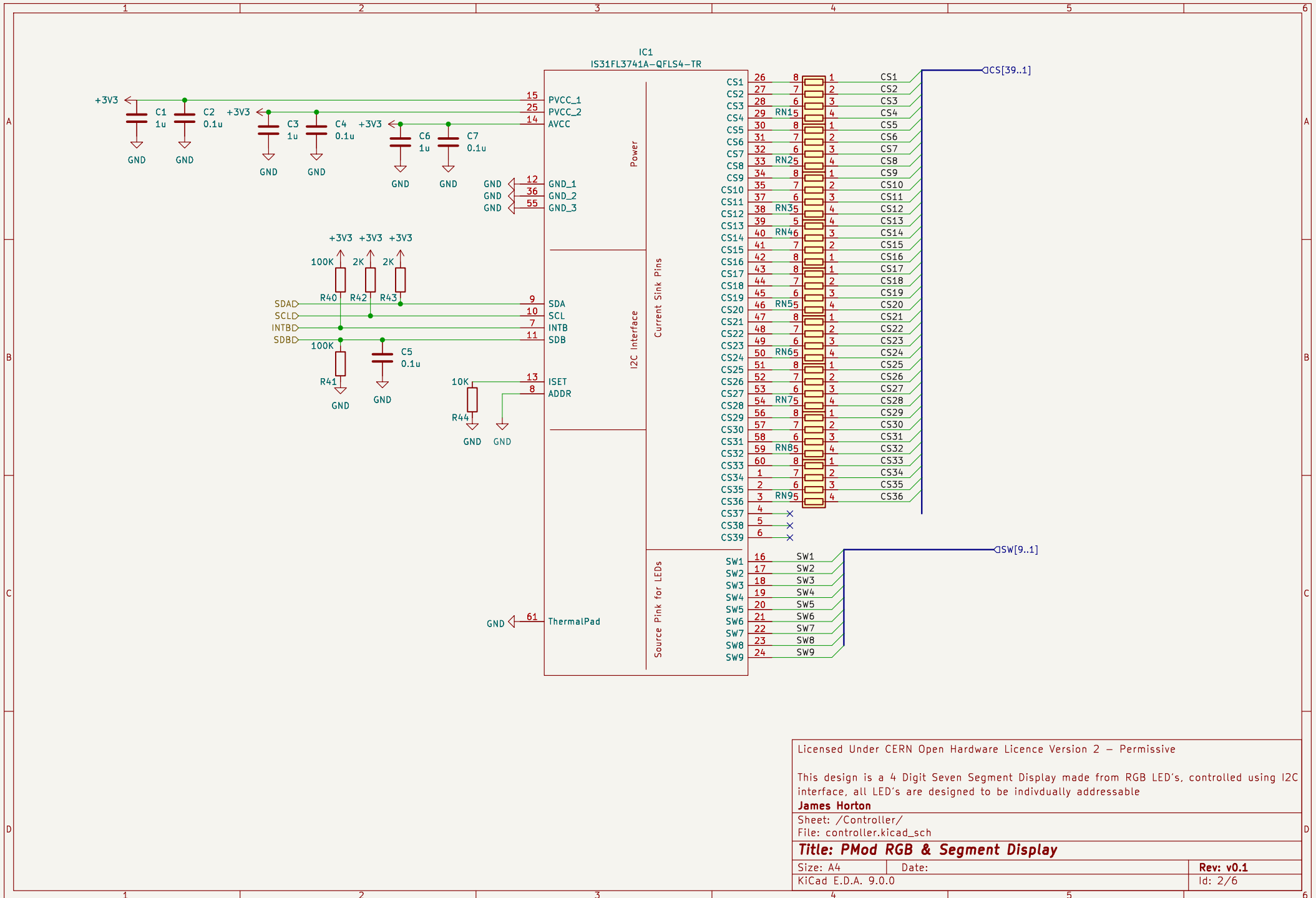
This design is a 4 Digit Seven Segment Display made from RGB LED's, controlled using I2C interface, all LED's are designed to be individually addressable

James Horton

Sheet: /
File: PMod_RGB7Segment.kicad_sch

Title: PMod RGB & Segment Display

Size: A4	Date:	Rev: v0.1
KiCad E.D.A. 9.0.0		Id: 1/6



Licensed Under CERN Open Hardware Licence Version 2 – Permissive

This design is a 4 Digit Seven Segment Display made from RGB LED's, controlled using I2C interface, all LED's are designed to be individually addressable

James Horton

Sheet: /Controller/
File: controller.kicad_sch

Title: PMod RGB & Segment Display

Size: A4

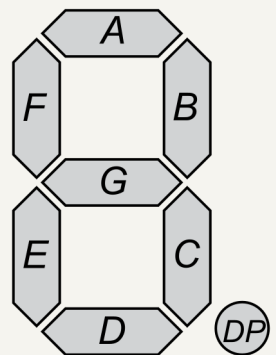
Date:

Rev: v0.1

KiCad E.D.A. 9.0.0

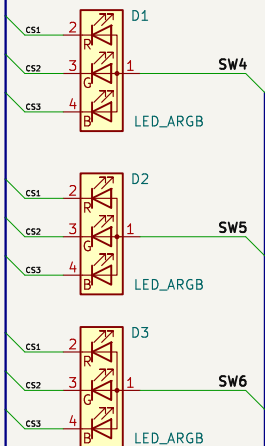
Id: 2/6

CS[39..1]D CS[39..1]

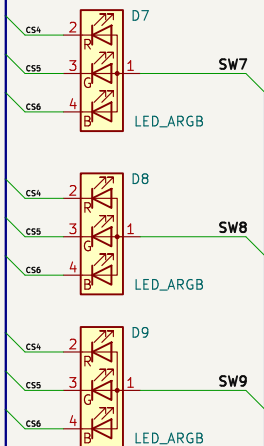


Layout of the 7 segment display
https://commons.wikimedia.org/wiki/File:7_Segment_Display_with_Labeled_Segments.svg

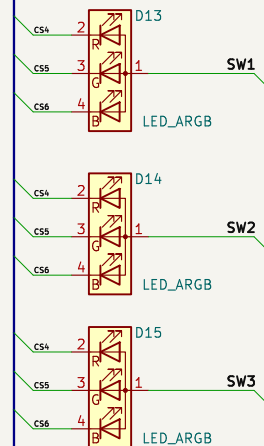
Segment A



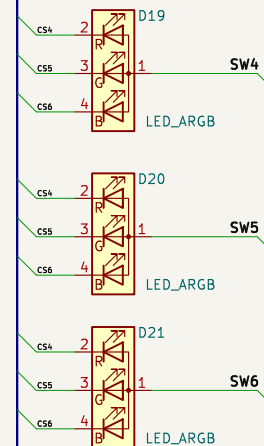
Segment C



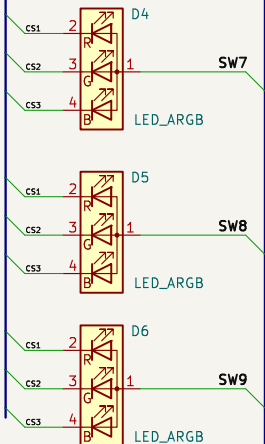
Segment E



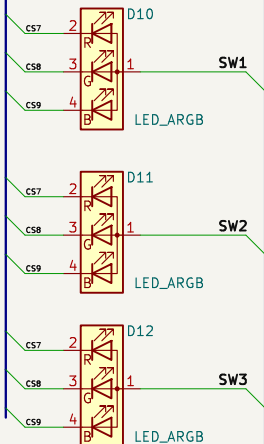
Segment G



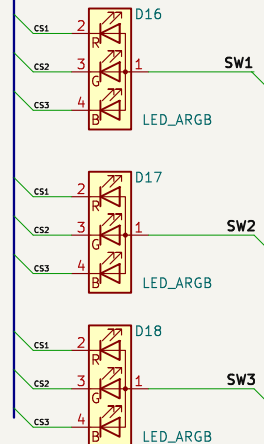
Segment B



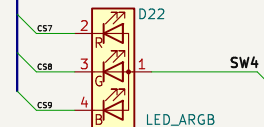
Segment D



Segment F



DP



SW[9..1]D

Licensed Under CERN Open Hardware Licence Version 2 – Permissive

This design is a 4 Digit Seven Segment Display made from RGB LED's, controlled using I2C interface, all LED's are designed to be individually addressable

James Horton

Sheet: /Segment1/
 File: segment1.kicad_sch

Title: PMod RGB & Segment Display

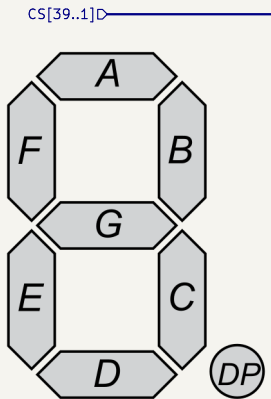
Size: A4

Date:

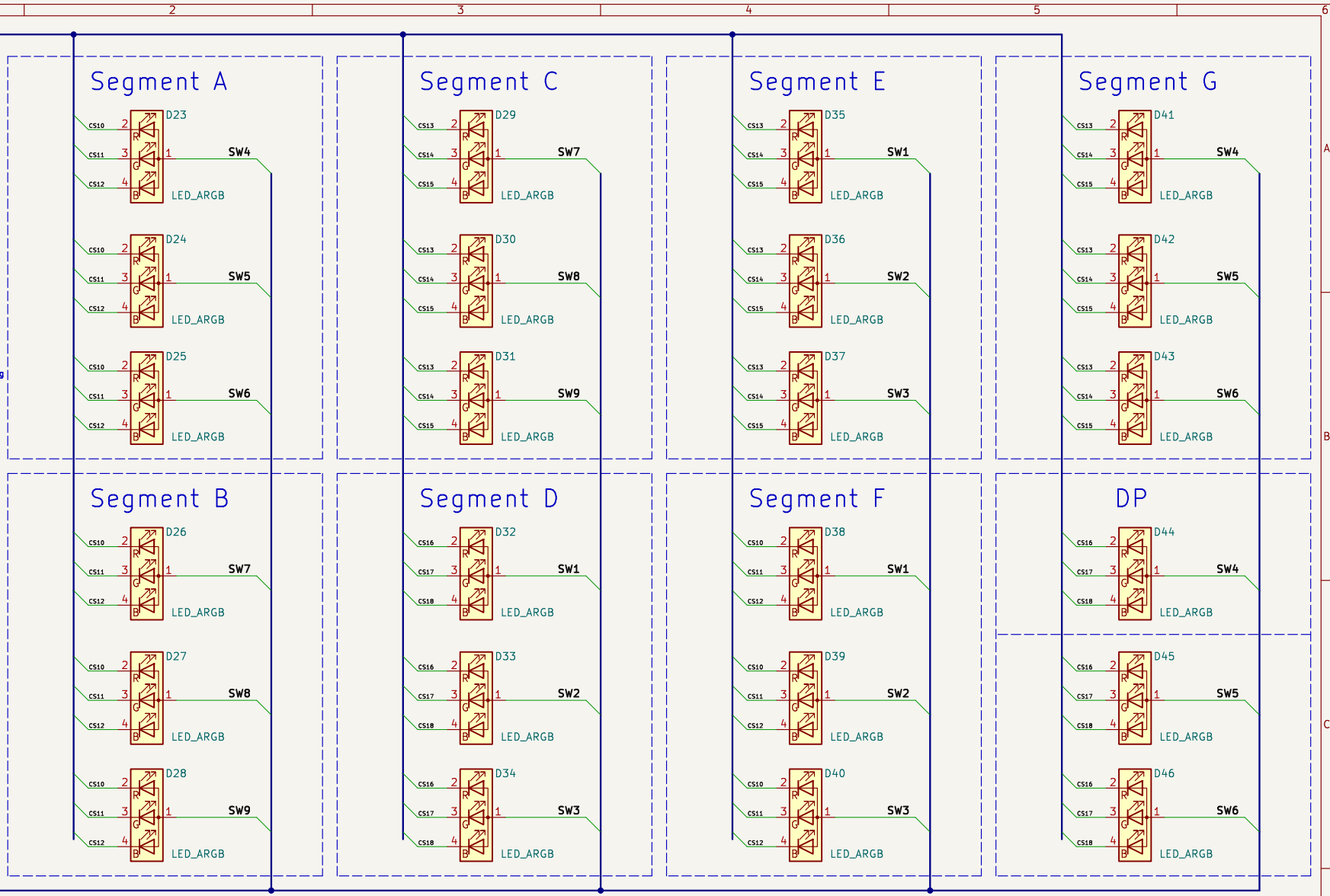
Rev: v0.1

KiCad E.D.A. 9.0.0

Id: 3/6



Layout of the 7 segment display
https://commons.wikimedia.org/wiki/File:7_Segment_Display_with_Labeled_Segments.svg



Licensed Under CERN Open Hardware Licence Version 2 – Permissive

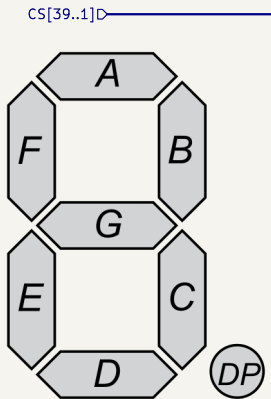
This design is a 4 Digit Seven Segment Display made from RGB LED's, controlled using I2C interface, all LED's are designed to be individually addressable

James Horton

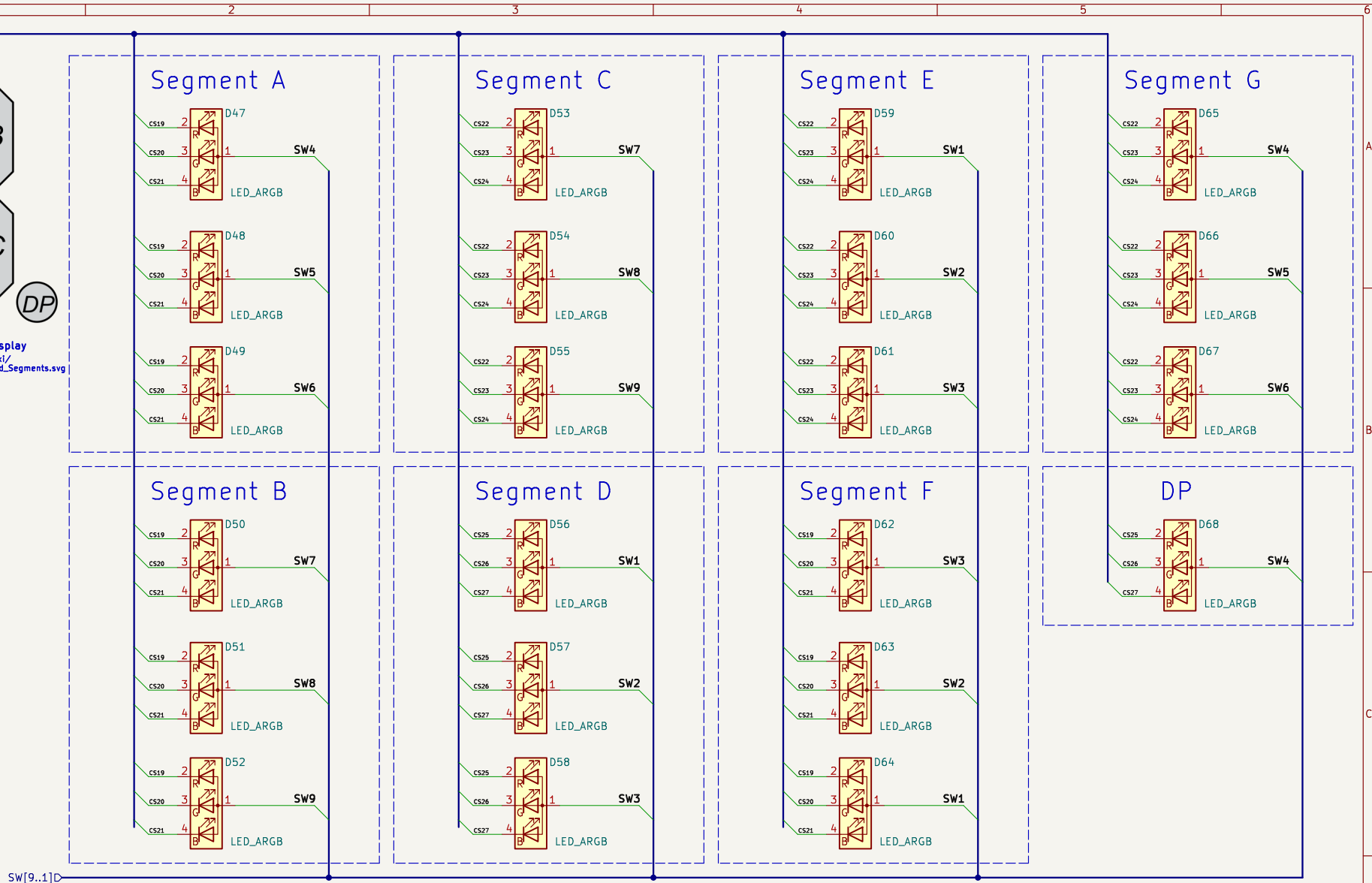
Sheet: /Segment2/
 File: segment2.kicad_sch

Title: PMod RGB & Segment Display

Size: A4	Date:	Rev: v0.1
KiCad E.D.A. 9.0.0		Id: 4/6



Layout of the 7 segment display
https://commons.wikimedia.org/wiki/File:7_Segment_Display_with_Labeled_Segments.svg



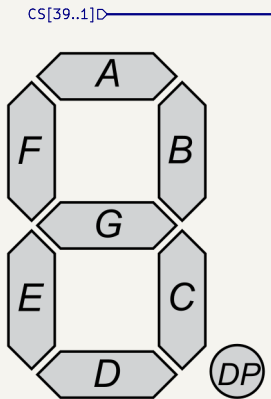
Licensed Under CERN Open Hardware Licence Version 2 – Permissive

This design is a 4 Digit Seven Segment Display made from RGB LED's, controlled using I2C interface, all LED's are designed to be individually addressable

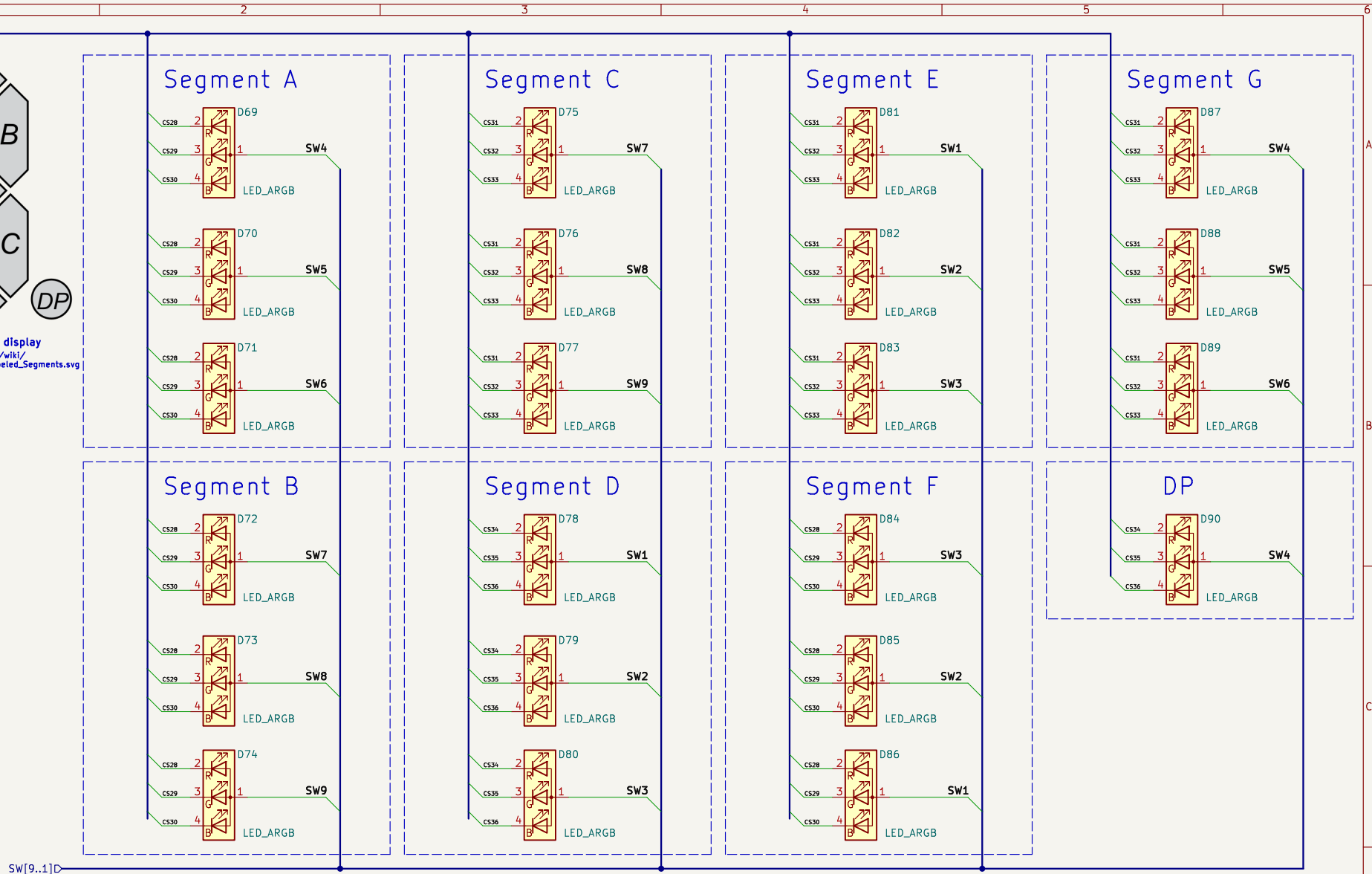
James Horton
 Sheet: /Segment3/
 File: segment3.kicad_sch

Title: PMod RGB & Segment Display

Size: A4	Date:	Rev: v0.1
KiCad E.D.A. 9.0.0		Id: 5/6



Layout of the 7 segment display
https://commons.wikimedia.org/wiki/File:7_Segment_Display_with_Labeled_Segments.svg



Licensed Under CERN Open Hardware Licence Version 2 – Permissive

This design is a 4 Digit Seven Segment Display made from RGB LED's, controlled using I2C interface, all LED's are designed to be individually addressable

James Horton

Sheet: /Segment4/
 File: segment4.kicad_sch

Title: PMod RGB & Segment Display

Size: A4
 KiCad E.D.A. 9.0.0

Date:

Rev: v0.1

Id: 6/6