

A

B

C

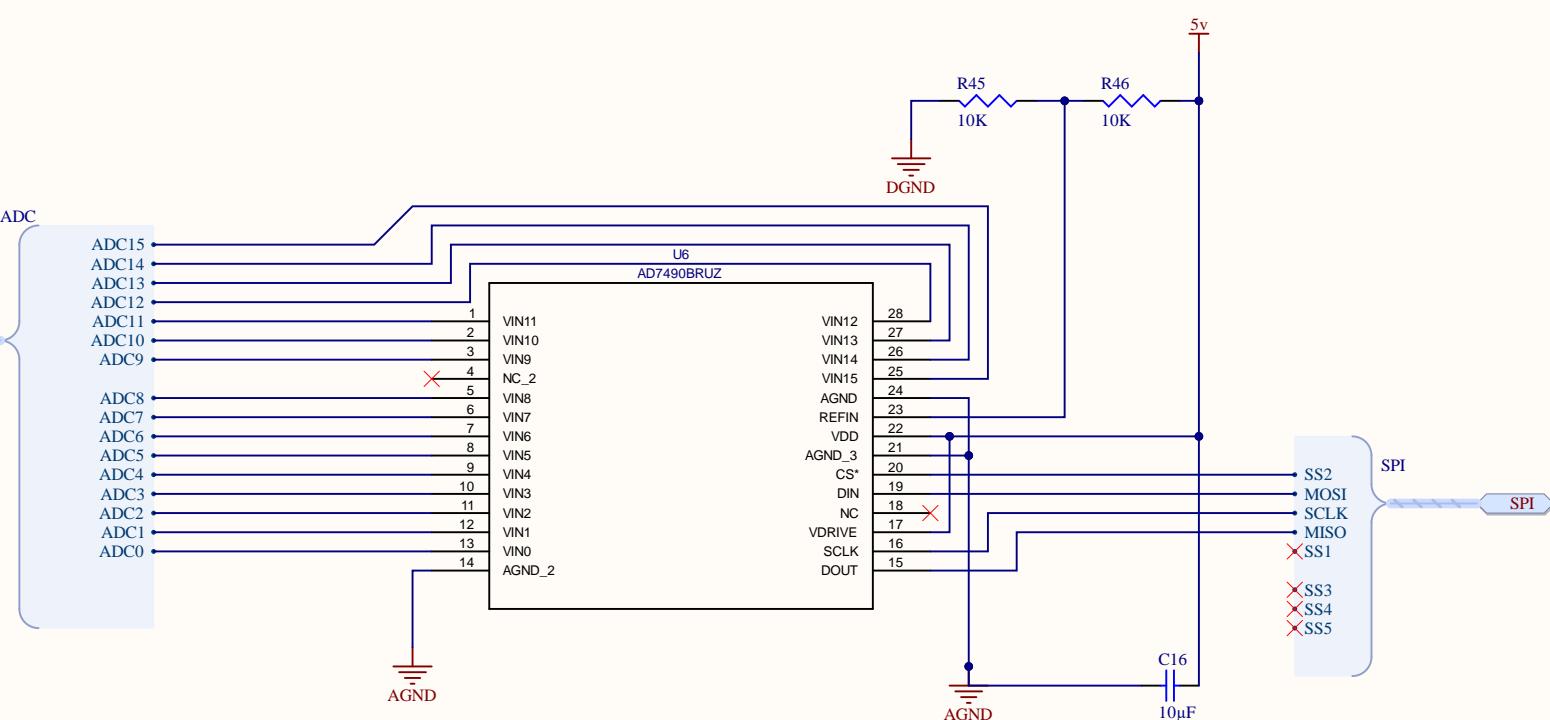
D

A

B

C

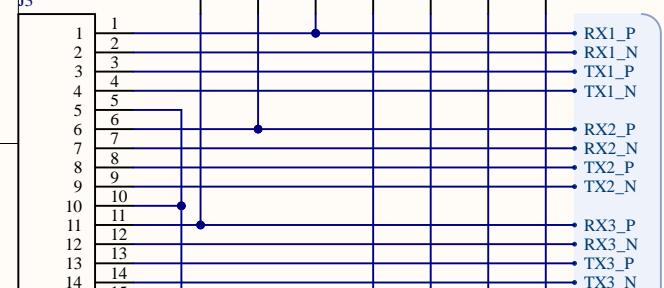
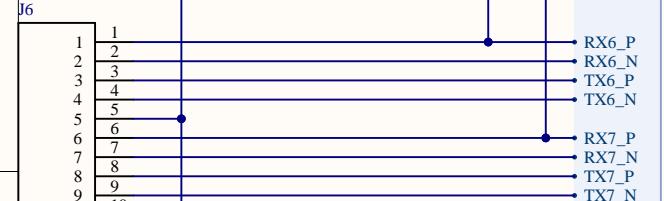
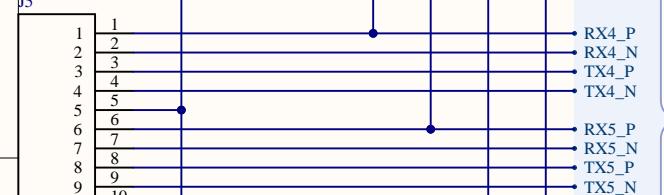
D



Title  
ADC with Harness

Size	Number	Revision
A	1	0.01
Date:	4/07/2020	Sheet 1 of 15
File:	C:\Users...\ADCwHarness.SchDoc	Drawn By: Max Bakes

A

B  
181-015-213R561  
J5D  
181-015-213R561

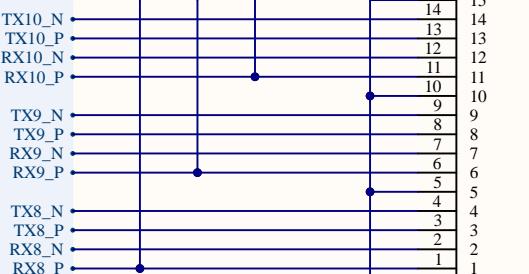
DGND

3.3v

3.3v

LVDS\_UART\_CD

LVDS\_UART\_AB



DGND

Title LVDS UART		
Size A	Number 2	Revision 0.01
Date: 4/07/2020		Sheet 2 of 15
File: C:\Users...\LVDS_UART.SchDoc		Drawn By: James Thomas

A

A

B

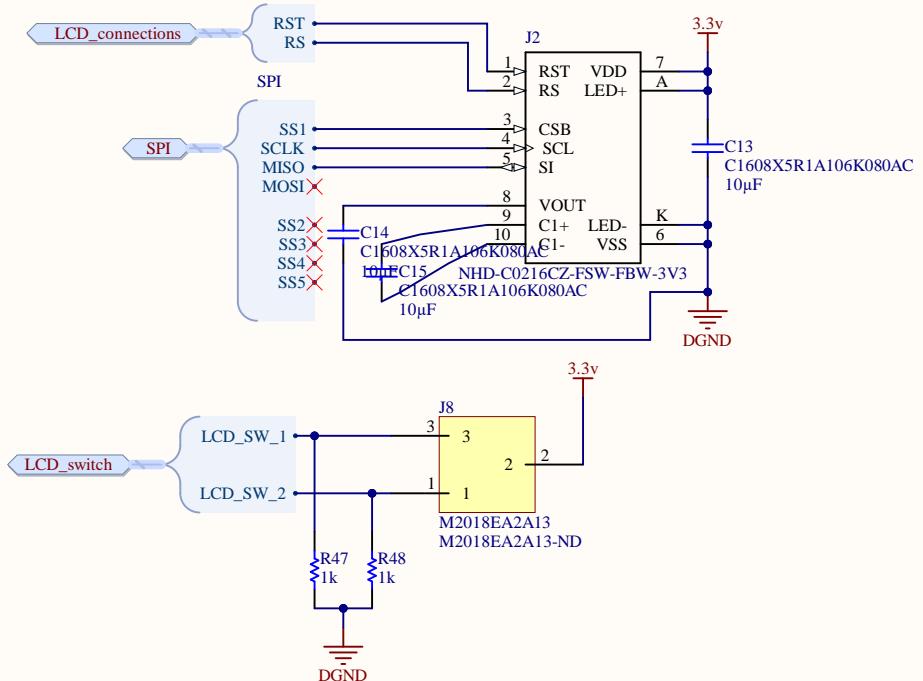
B

C

C

D

D

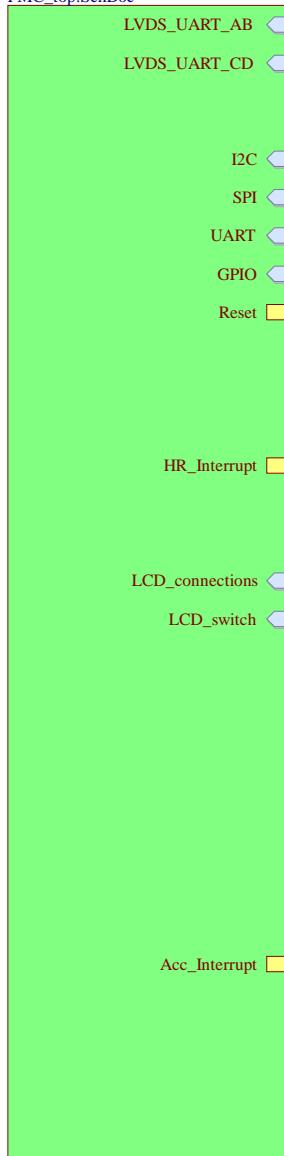


Title  
LCD Screen

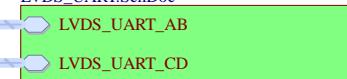
Size	Number	Revision
A	3	0.01
Date:	4/07/2020	Sheet 3 of 15
File:	C:\Users...\LCD_Screen.SchDoc	Drawn By: Michael Ashford

A

FMC\_CONNECTOR  
FMC\_top.SchDoc



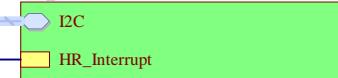
LVDS\_UART\_CONNECTORS  
LVDS\_UART.SchDoc



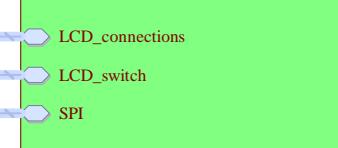
EXT\_CONNECTIONS  
Ext\_Connections.SchDoc



I2C\_Sensors  
I2C\_sensors.SchDoc



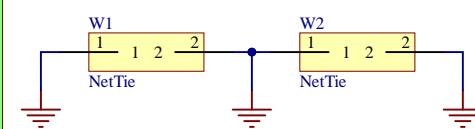
LCD  
LCD\_Screen.SchDoc



ADC  
ADCwHarness.SchDoc

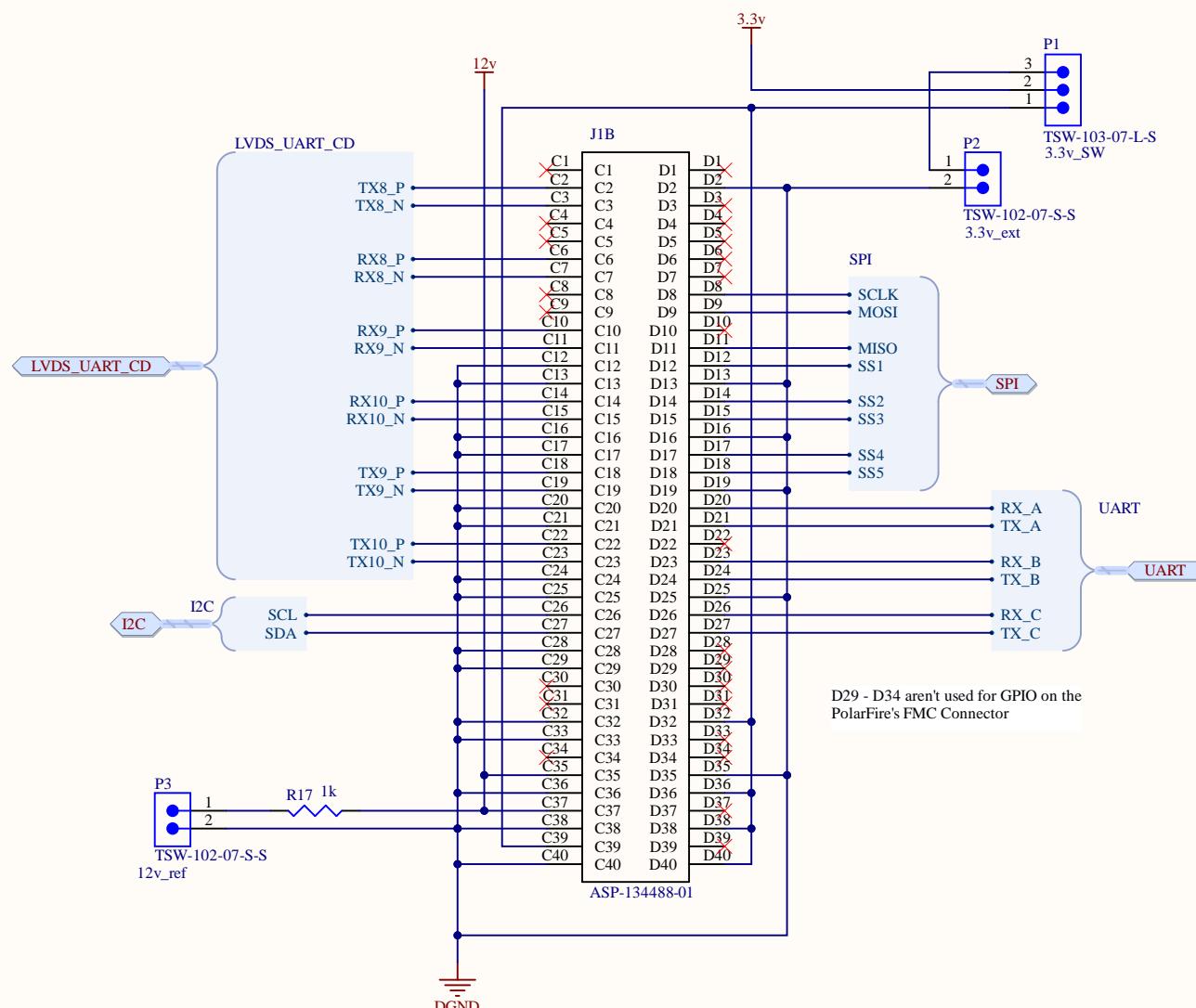


Accelerometer  
Accelerometer.SchDoc



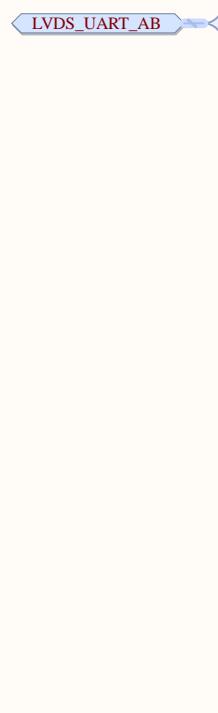
Title  
FMC Connector Top

Size	Number	Revision
A	4	0.01
Date:	4/07/2020	Sheet 4 of 15
File:	C:\Users...\top.SchDoc	Drawn By: Zac Carico



Title  
FMC Connector CD

Size	Number	Revision
A	5	0.01
Date:	4/07/2020	Sheet 5 of 15
File:	C:\Users\...\FMC_connector_CD.SchDoc	Drawn By: James Thomas

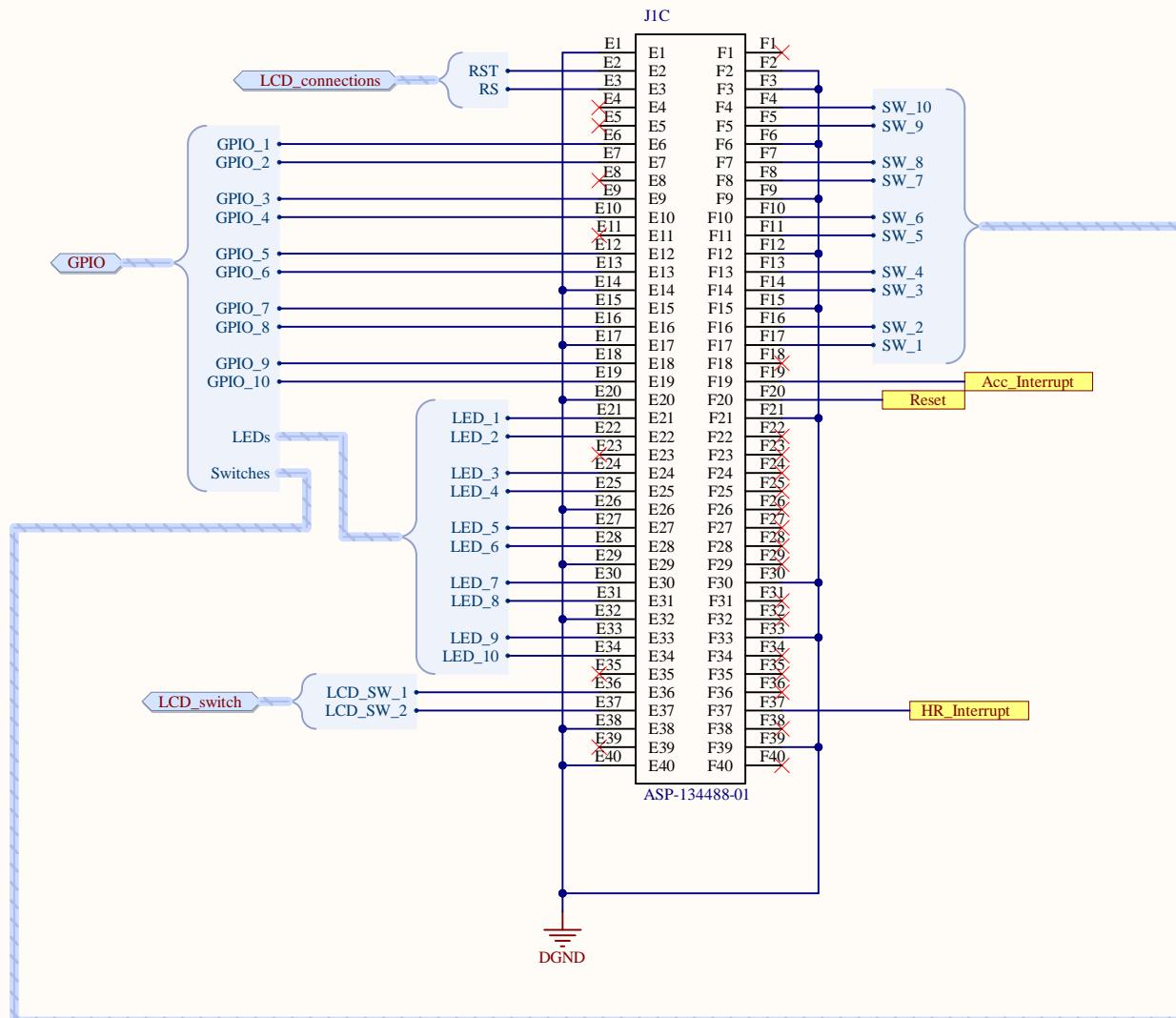


J1A

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Title  
FMC Connector AB

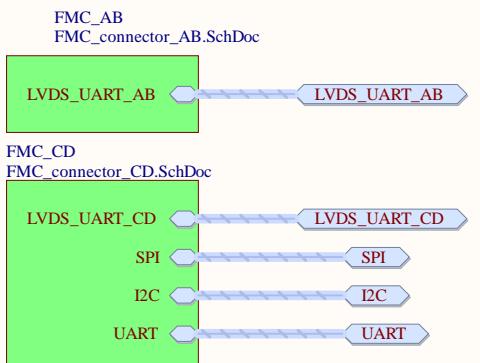
Size	Number	Revision
A	6	0.01
Date:	4/07/2020	Sheet 6 of 15
File:	C:\Users\...\FMC_connector_AB.SchDoc	Drawn By: James Thomas



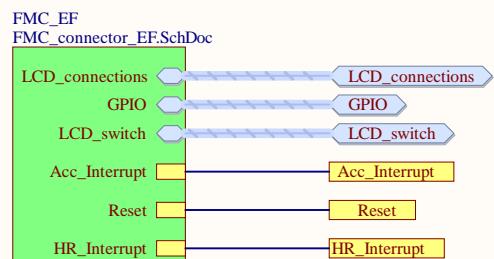
Title  
FMC Connector EF

Size	Number	Revision
A	7	0.01
Date:	4/07/2020	Sheet 7 of 15
File:	C:\Users...\FMC_connector_EF.SchDoc	Drawn By: James Thomas

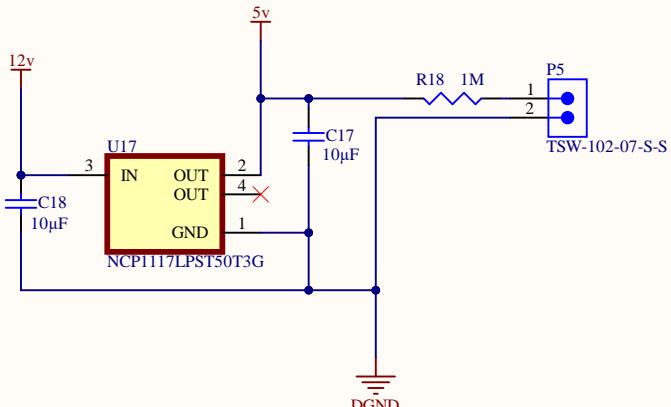
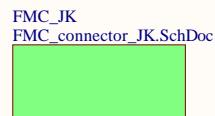
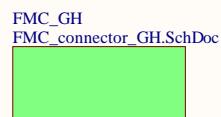
A



B

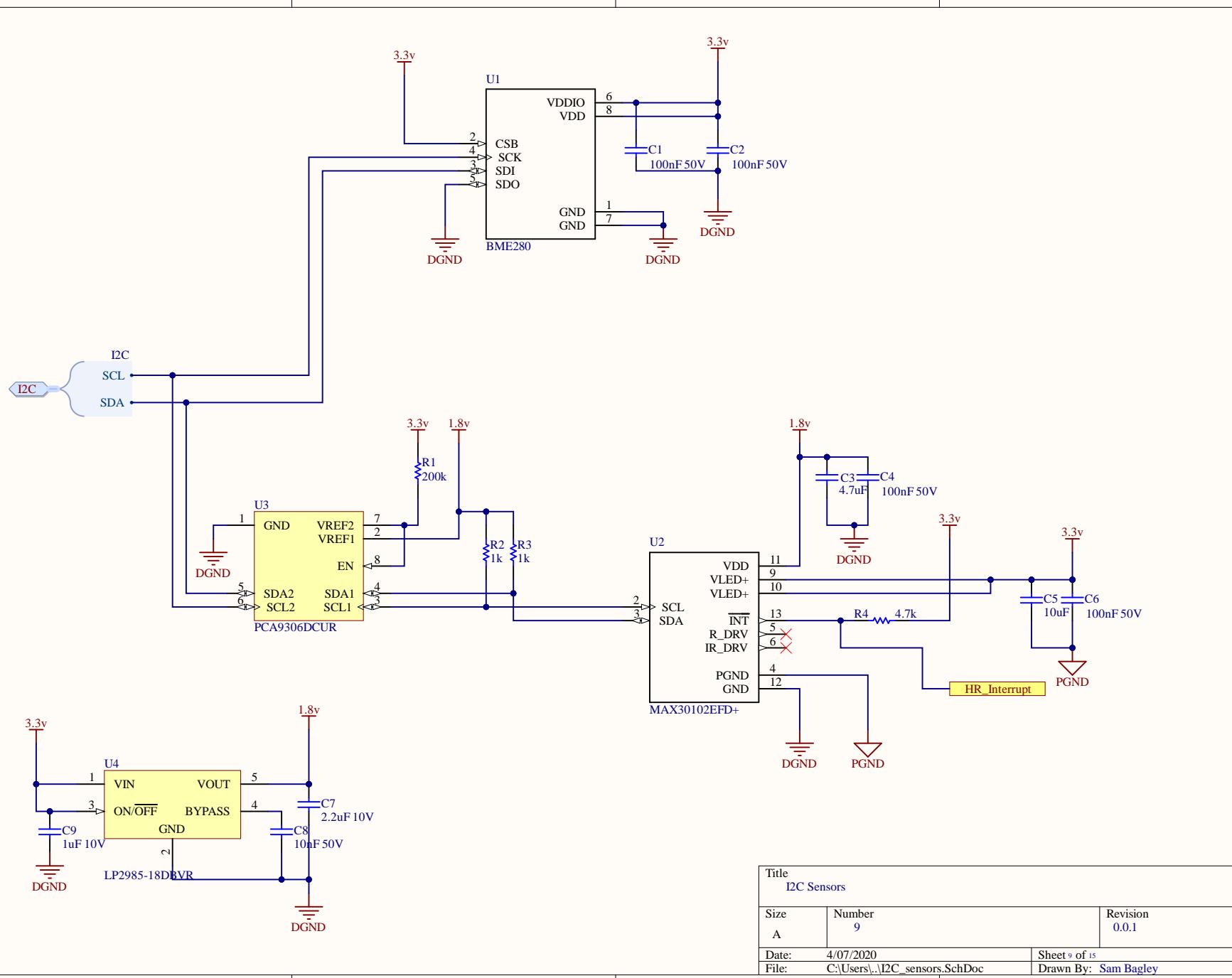


C

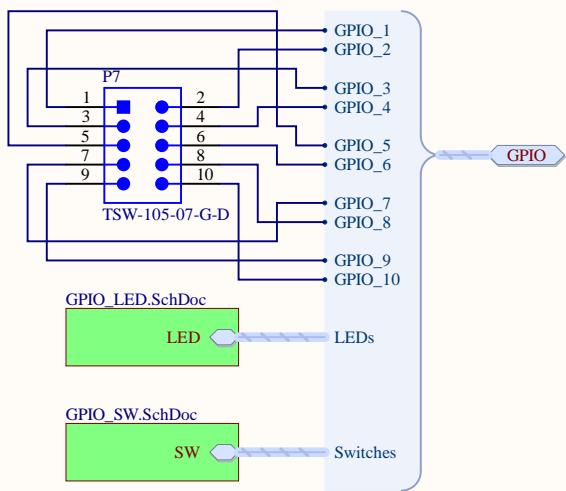


Title  
FMC Connector Top

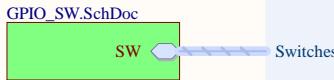
Size	Number	Revision
A	8	0.01
Date:	4/07/2020	Sheet 8 of 15
File:	C:\Users\...\FMC_top.SchDoc	Drawn By: James Thomas



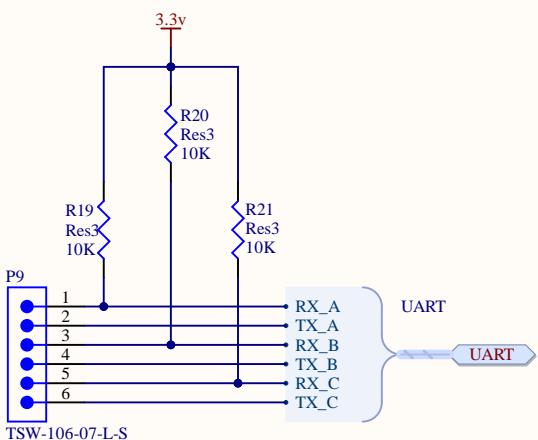
A



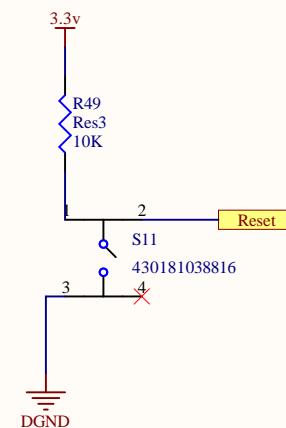
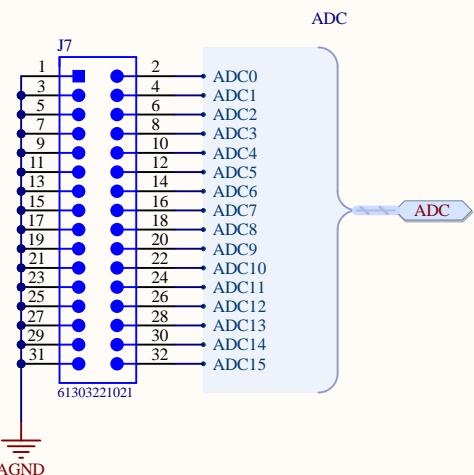
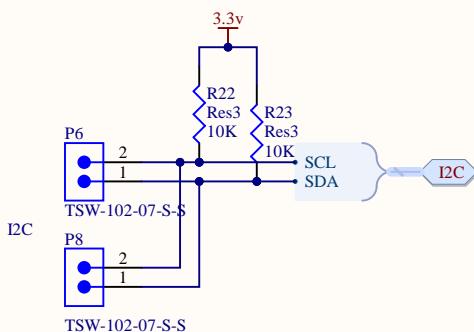
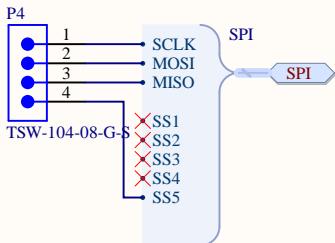
B



C



D



### Title External Connections

Size	Number	Revision
A	10	0.01
Date:	4/07/2020	Sheet 10 of 15
File:	C:\Users\...\Ext_Connections.SchDoc	Drawn By: James Thomas

A

A

B

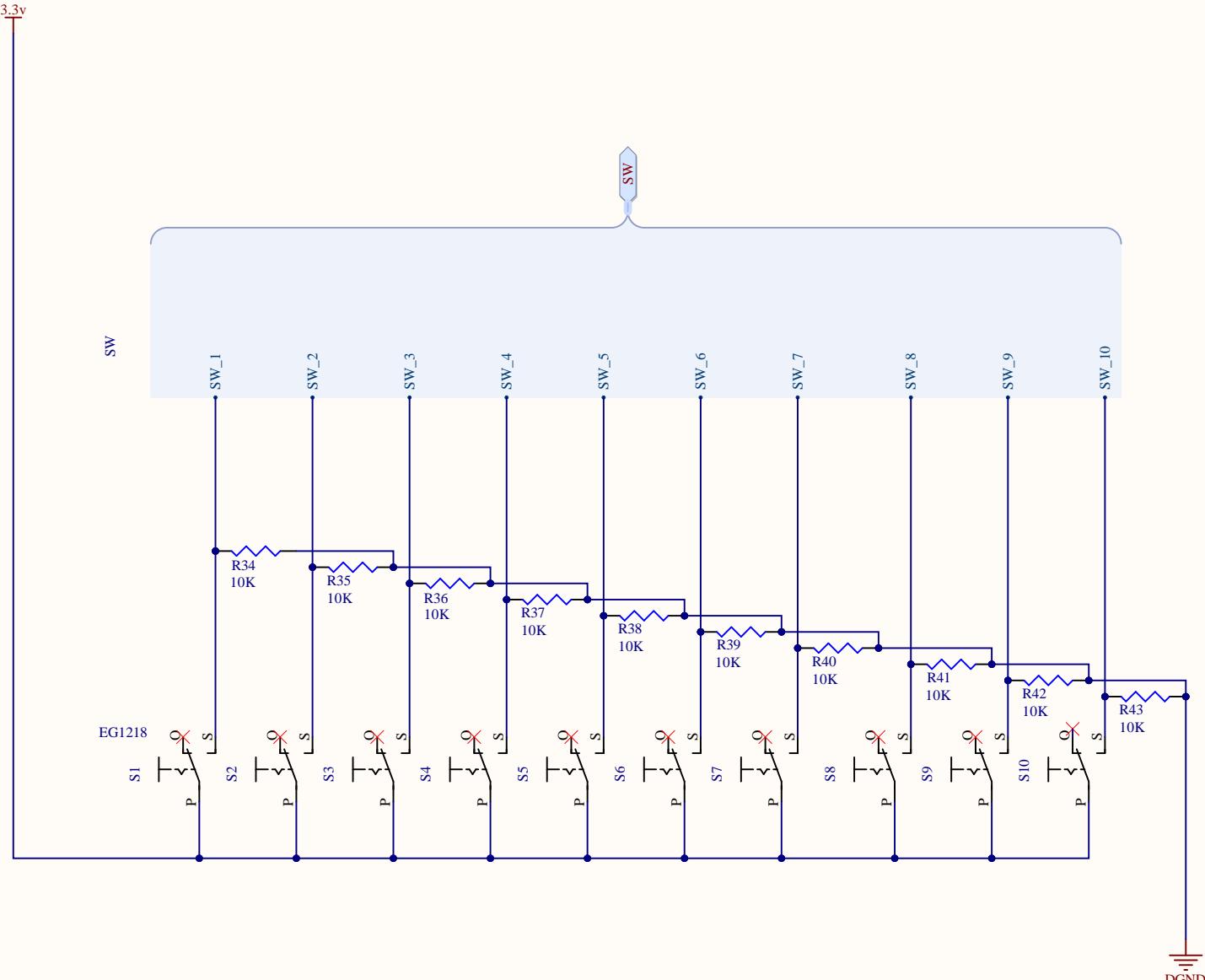
B

C

C

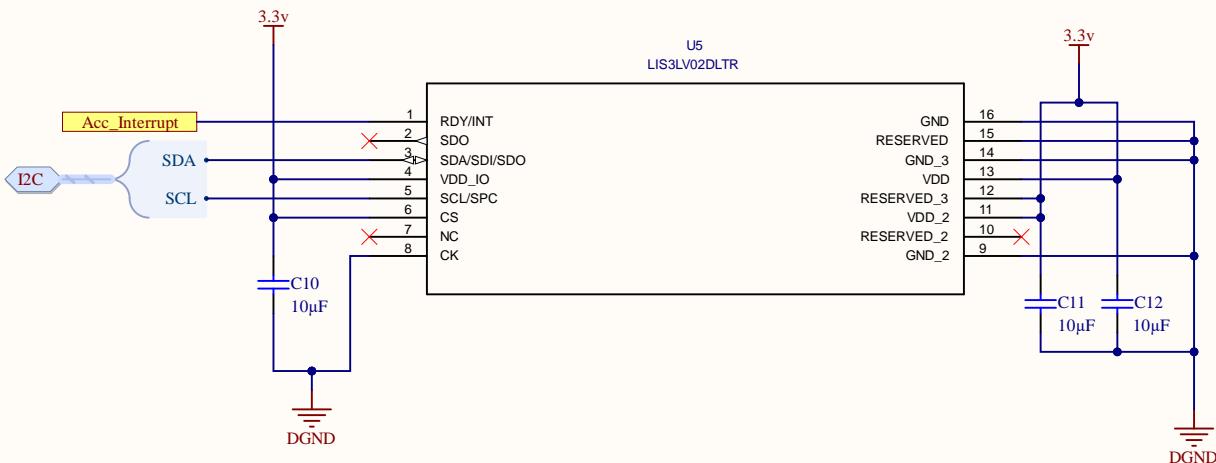
D

D



Title  
GPIO Switches

Size	Number	Revision
A	11	0.01
Date:	4/07/2020	Sheet 1 of 15
File:	C:\Users\...\GPIO_SW.SchDoc	Drawn By: James Thomas



Title  
Accelerometer

Size	Number	Revision
A	12	0.01
Date:	4/07/2020	Sheet 12 of 15
File:	C:\Users\...\Accelerometer.SchDoc	Drawn By: Zac Carico

A

A

B

B

C

C

D

D

## J1D

G1	G1	H1	H1
G2	G2	H2	H2
G3	G3	H3	H3
G4	G4	H4	H4
G5	G5	H5	H5
G6	G6	H6	H6
G7	G7	H7	H7
G8	G8	H8	H8
G9	G9	H9	H9
G10	G10	H10	H10
G11	G11	H11	H11
G12	G12	H12	H12
G13	G13	H13	H13
G14	G14	H14	H14
G15	G15	H15	H15
G16	G16	H16	H16
G17	G17	H17	H17
G18	G18	H18	H18
G19	G19	H19	H19
G20	G20	H20	H20
G21	G21	H21	H21
G22	G22	H22	H22
G23	G23	H23	H23
G24	G24	H24	H24
G25	G25	H25	H25
G26	G26	H26	H26
G27	G27	H27	H27
G28	G28	H28	H28
G29	G29	H29	H29
G30	G30	H30	H30
G31	G31	H31	H31
G32	G32	H32	H32
G33	G33	H33	H33
G34	G34	H34	H34
G35	G35	H35	H35
G36	G36	H36	H36
G37	G37	H37	H37
G38	G38	H38	H38
G39	G39	H39	H39
G40	G40	H40	H40

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Title  
FMC Connector GH

Size A	Number 13	Revision 0.0.1
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Date: 4/07/2020	Sheet 13 of 15
File: C:\Users\...\FMC_connector_GH.SchDoc	Drawn By: James Thomas

A

A

B

B

C

C

D

D

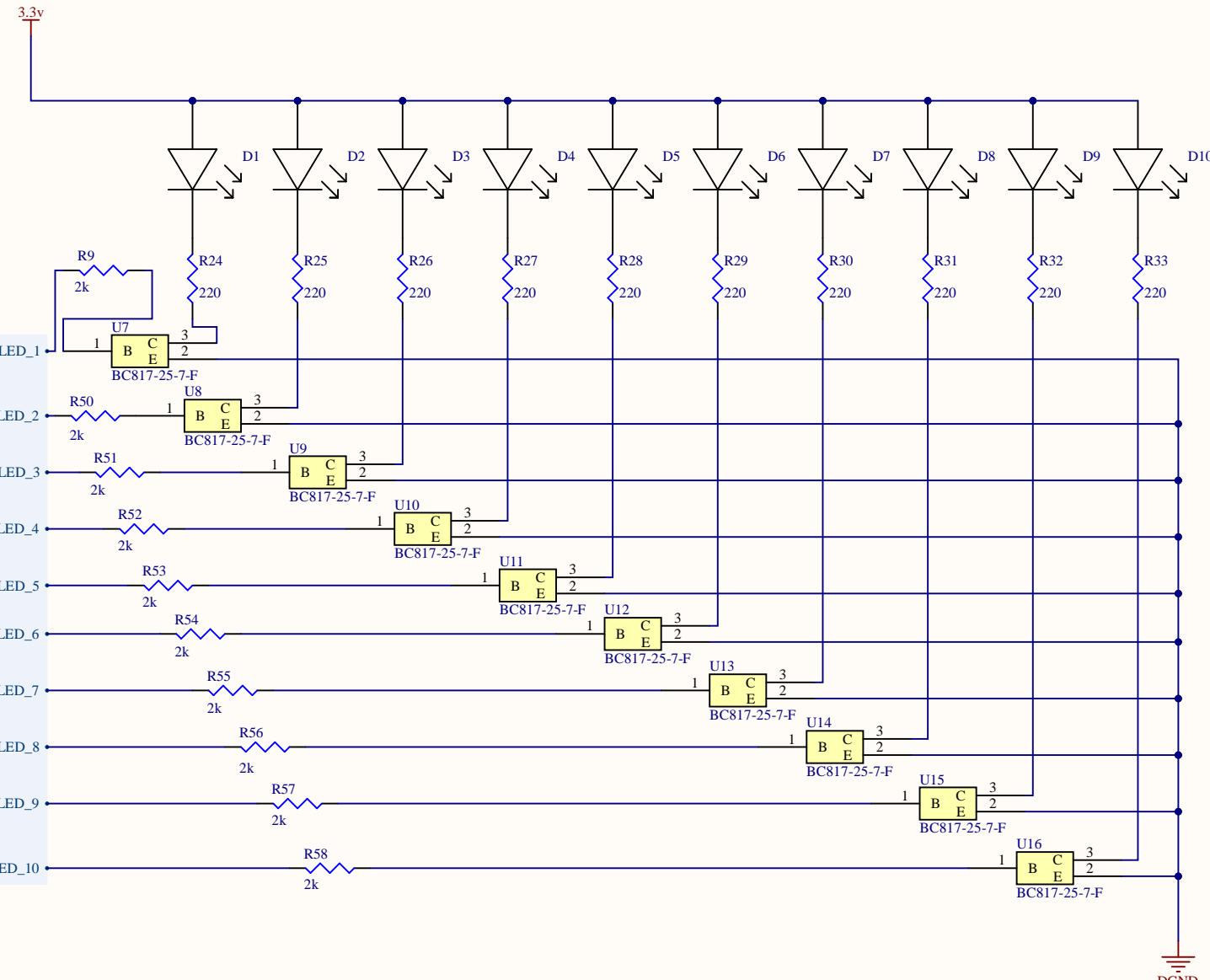
J1E

J1	J1	K1	K1
J2	J2	K2	K2
J3	J3	K3	K3
J4	J4	K4	K4
J5	J5	K5	K5
J6	J6	K6	K6
J7	J7	K7	K7
J8	J8	K8	K8
J9	J9	K9	K9
J10	J10	K10	K10
J11	J11	K11	K11
J12	J12	K12	K12
J13	J13	K13	K13
J14	J14	K14	K14
J15	J15	K15	K15
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J19	J19	K19	K19
J20	J20	K20	K20
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J33	J33	K33	K33
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J36	J36	K36	K36
J37	J37	K37	K37
J38	J38	K38	K38
J39	J39	K39	K39
J40	J40	K40	K40

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Title  
FMC Connector JK

Size	Number	Revision
A	14	0.01
Date:	4/07/2020	Sheet 14 of 15
File:	C:\Users\...\FMC_connector_JK.SchDoc	Drawn By: James Thomas



Title  
GPIO LEDs

Size	Number	Revision
A	15	0.01
Date:	4/07/2020	Sheet 1 of 15
File:	C:\Users\...\GPIO_LED.SchDoc	Drawn By: James Thomas

