

A

B

C

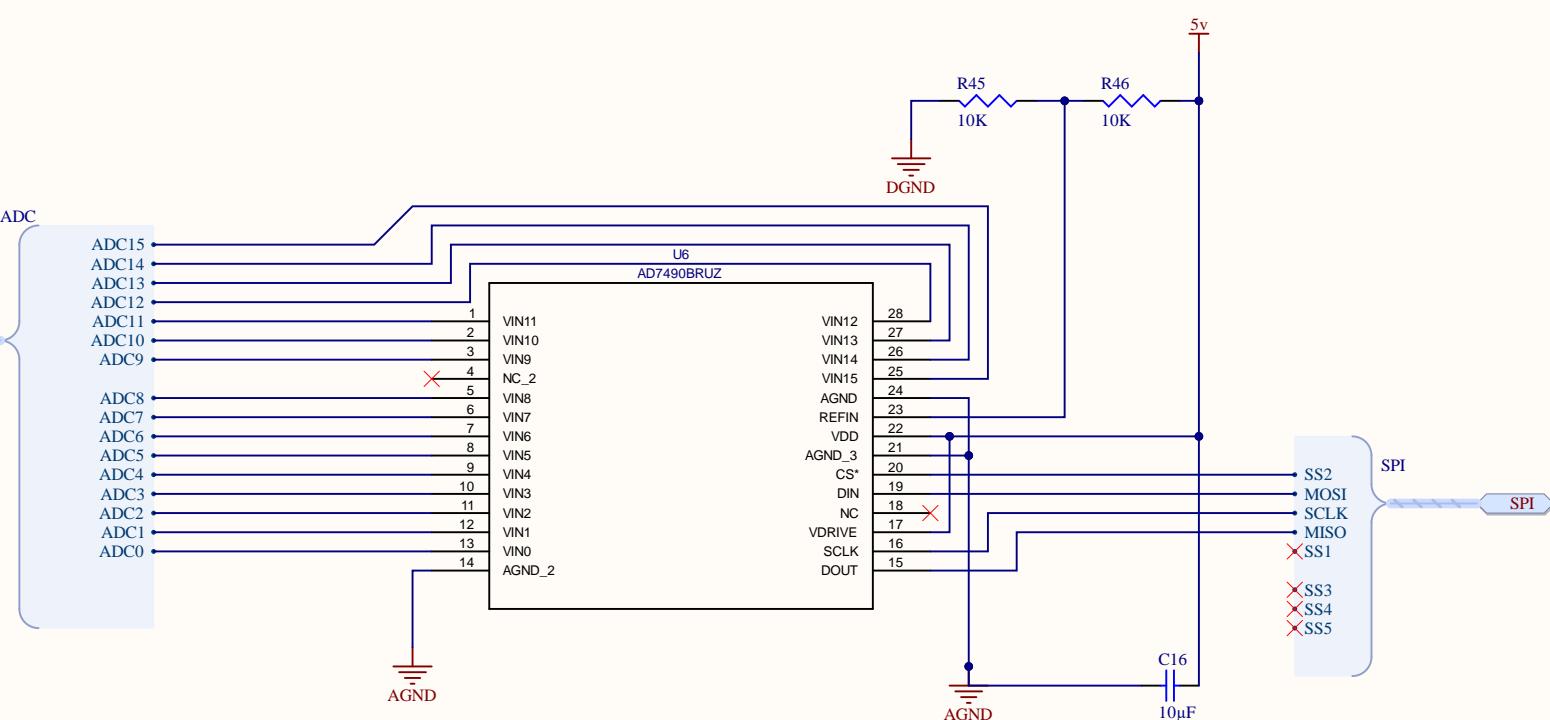
D

A

B

C

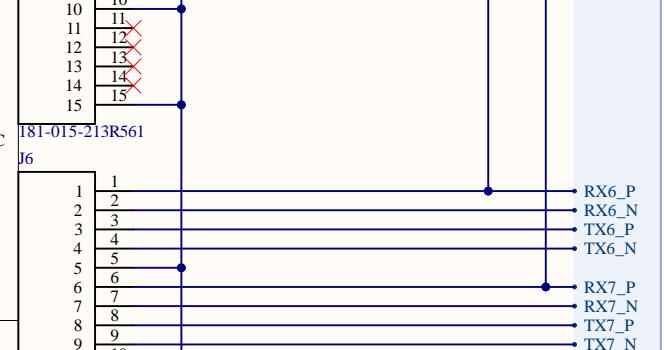
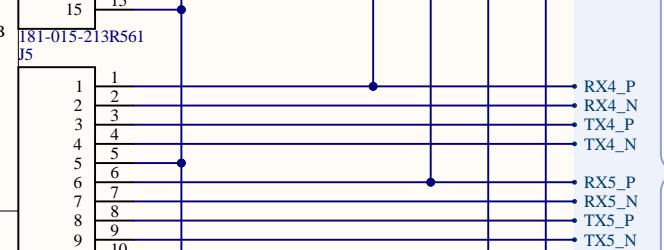
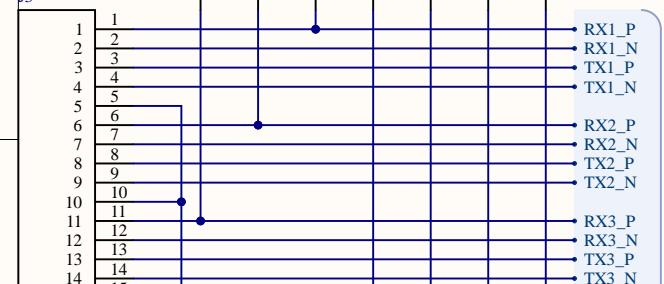
D



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



DGND

LVDS_UART_CD

LVDS_UART_AB

Title
LVDS UART

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

A

A

B

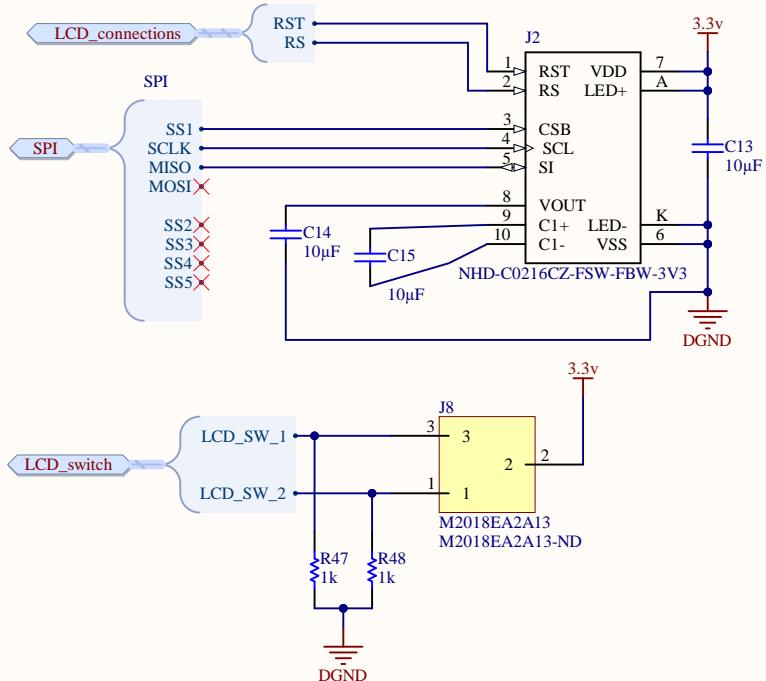
B

C

C

D

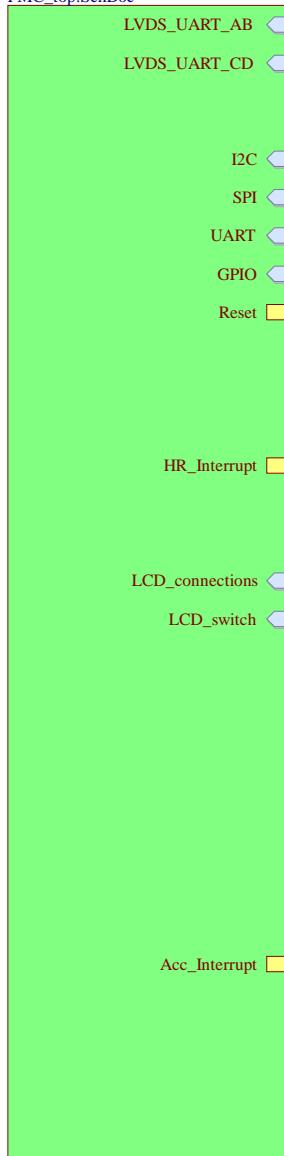
D



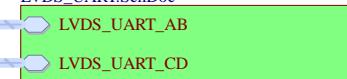
Title LCD Screen		
Size A	Number 3	Revision 0.0.1
Date: 4/07/2020	Sheet 3 of 15	
File: C:\Users...\LCD_Screen.SchDoc		Drawn By: Michael Ashford

A

FMC_CONNECTOR
FMC_top.SchDoc



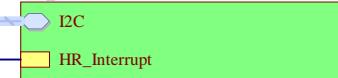
LVDS_UART_CONNECTORS
LVDS_UART.SchDoc



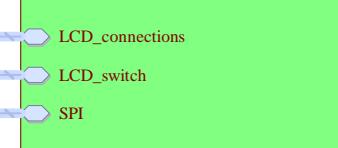
EXT_CONNECTIONS
Ext_Connections.SchDoc



I2C_Sensors
I2C_sensors.SchDoc



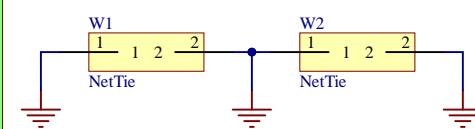
LCD
LCD_Screen.SchDoc



ADC
ADCwHarness.SchDoc

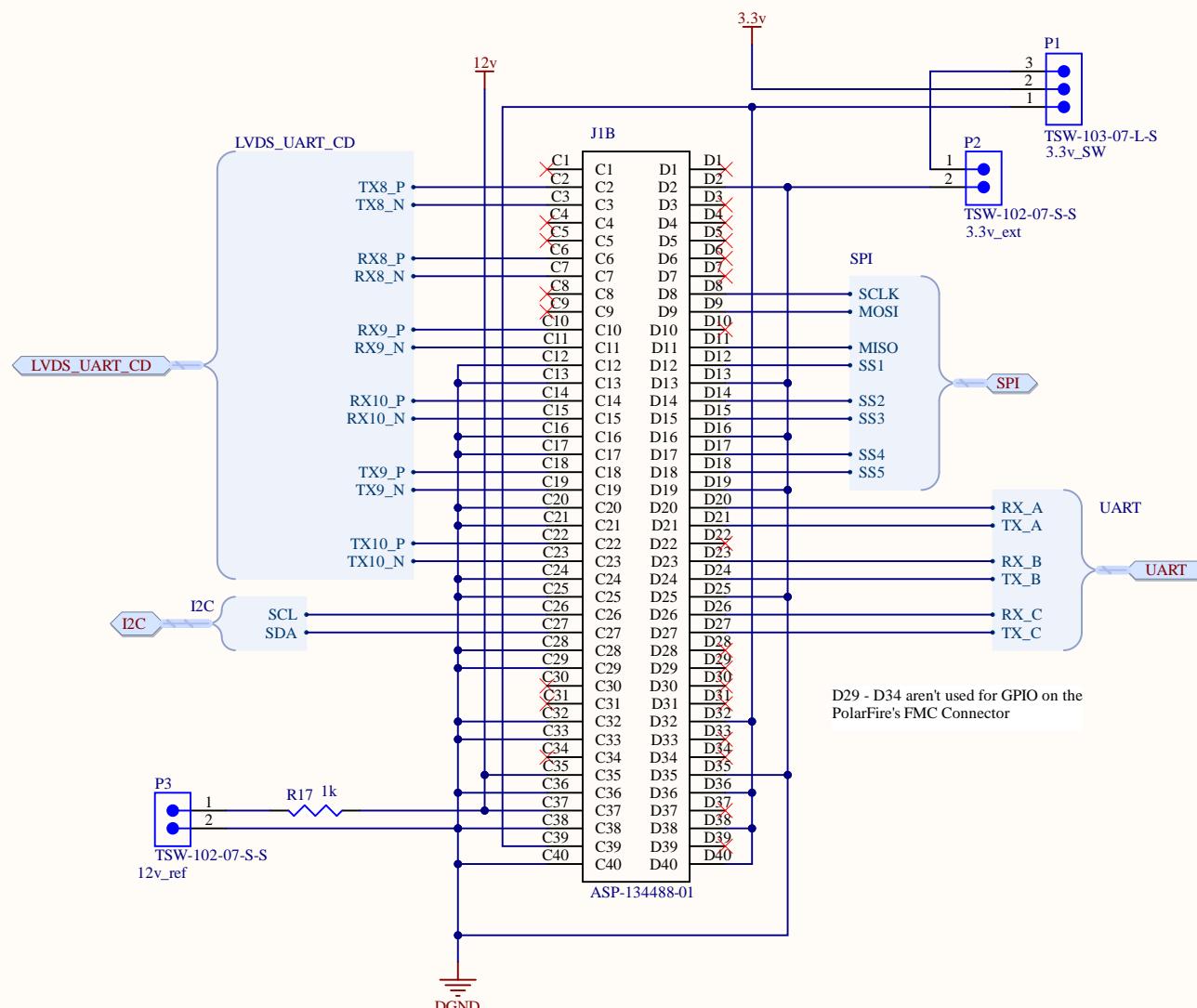


Accelerometer
Accelerometer.SchDoc



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

LVDS_UART_AB

J1A

A1	B1
A2	B2
A3	B3
A4	B4
A5	B5
A6	B6
A7	B7
A8	B8
A9	B9
A10	B10
A11	B11
A12	B12
A13	B13
A14	B14
A15	B15
A16	B16
A17	B17
A18	B18
A19	B19
A20	B20
A21	B21
A22	B22
A23	B23
A24	B24
A25	B25
A26	B26
A27	B27
A28	B28
A29	B29
A30	B30
A31	B31
A32	B32
A33	B33
A34	B34
A35	B35
A36	B36
A37	B37
A38	B38
A39	B39
A40	B40

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TX7_N
TX7_P

TX6_N
TX6_P

RX7_N
RX7_P

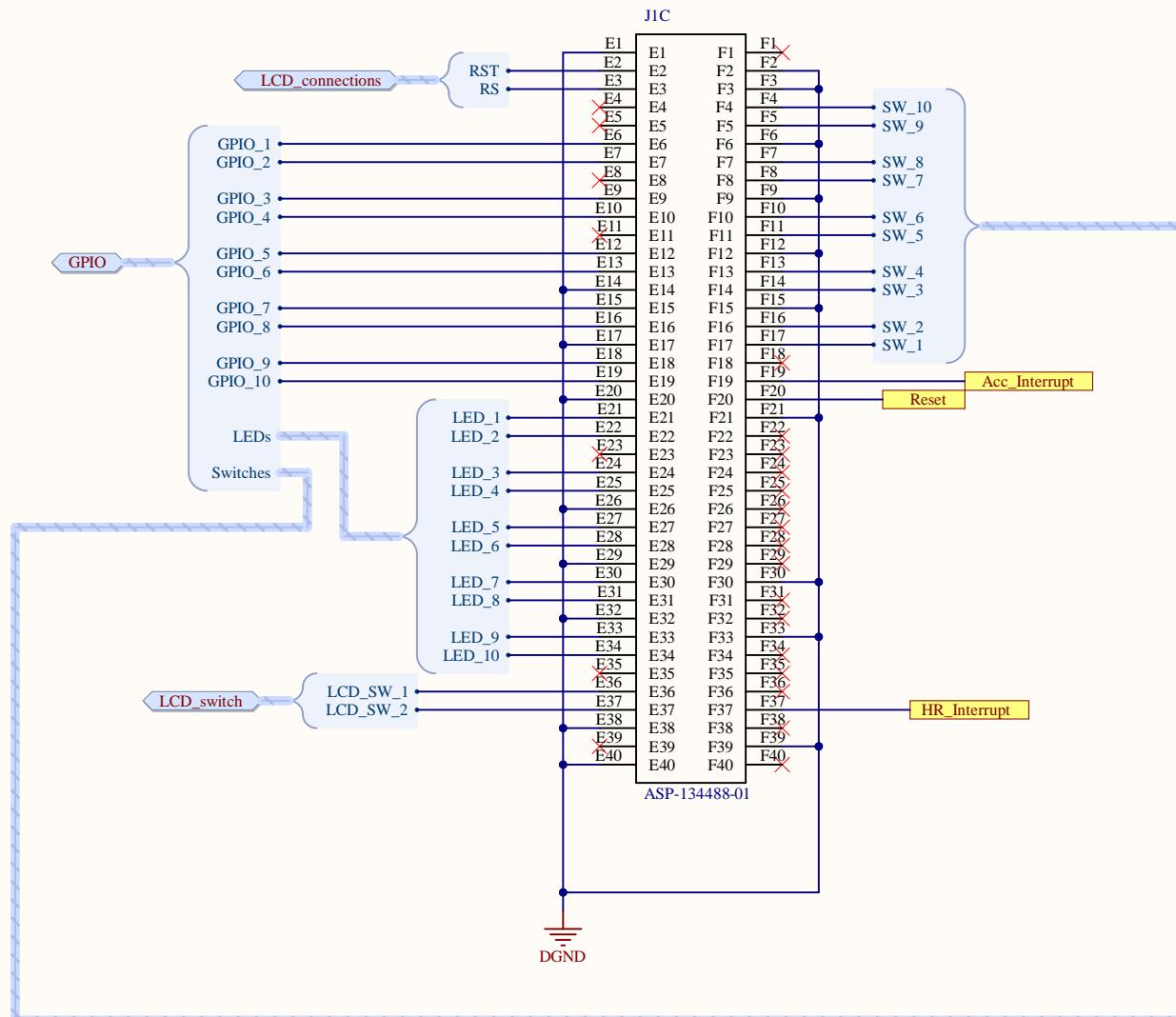
RX6_N
RX6_P

DGND

Title
FMC Connector AB

Size	Number	Revision
A	6	0.01

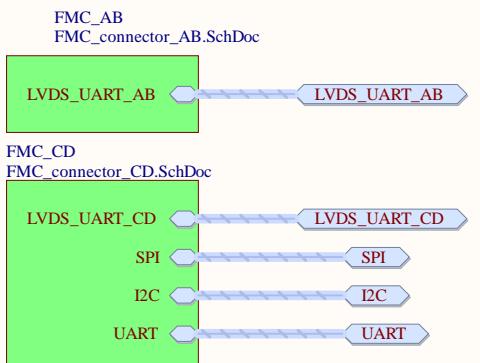
Date:	4/07/2020	Sheet 6 of 15
File:	C:\Users\...\FMC_connector_AB.SchDoc	Drawn By: James Thomas



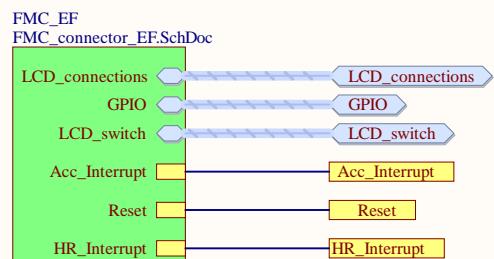
Title
FMC Connector EF

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

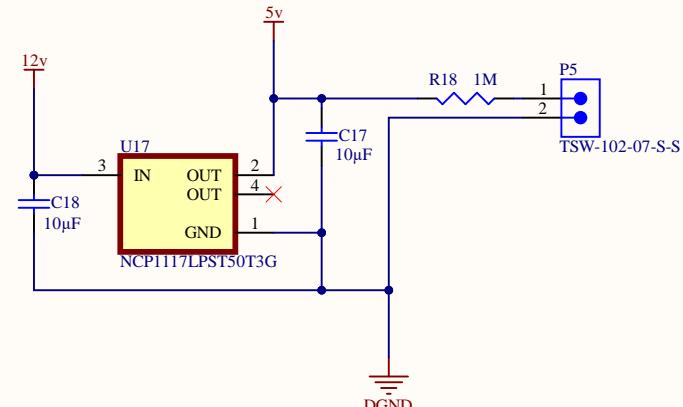
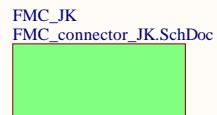
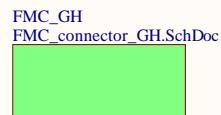
A



B

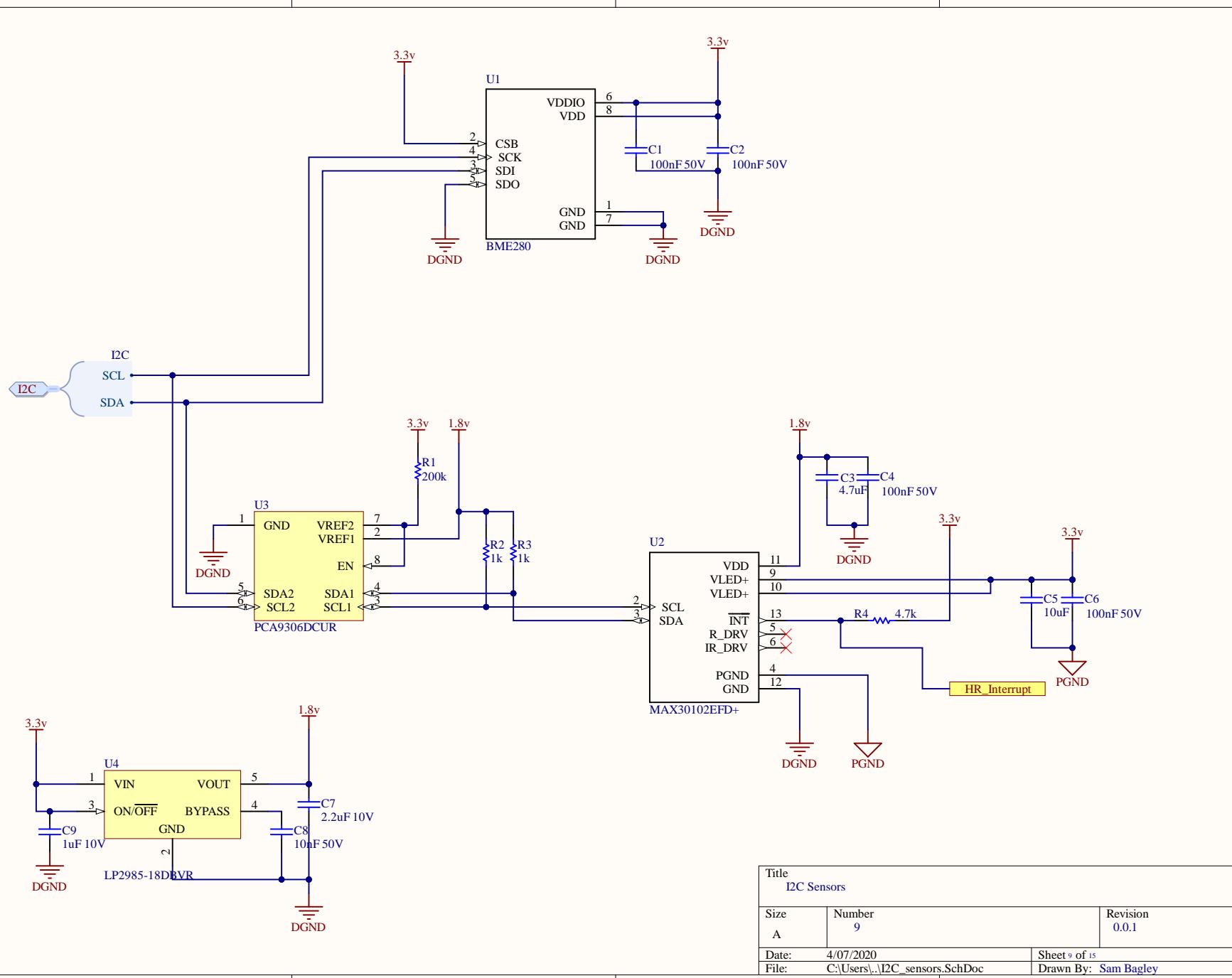


C

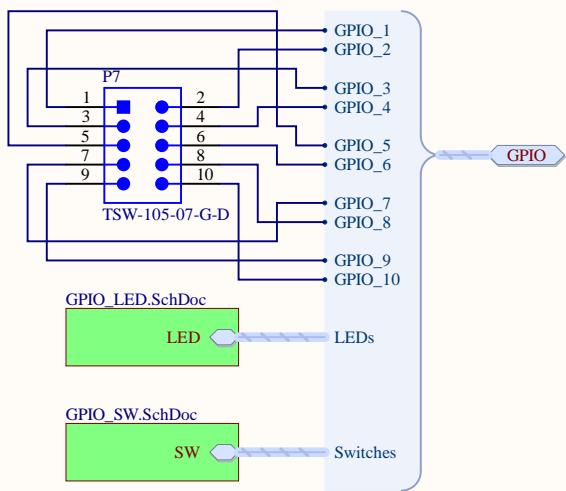


Title
FMC Connector Top

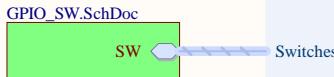
Size	Number	Revision
A	8	0.01
Date:	4/07/2020	Sheet 8 of 15
File:	C:\Users\...\FMC_top.SchDoc	Drawn By: James Thomas



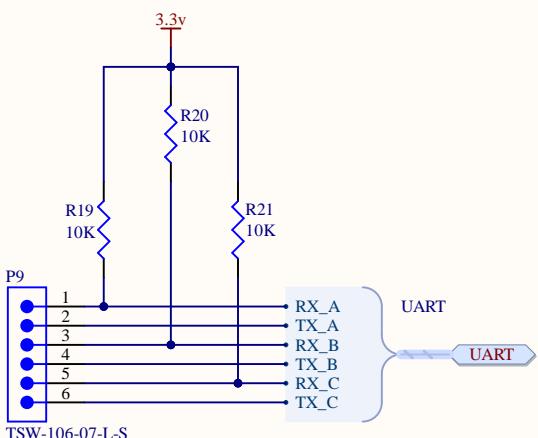
A



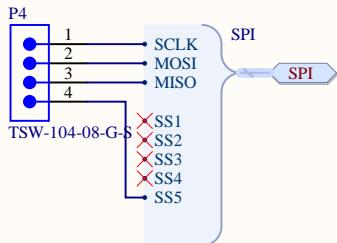
B



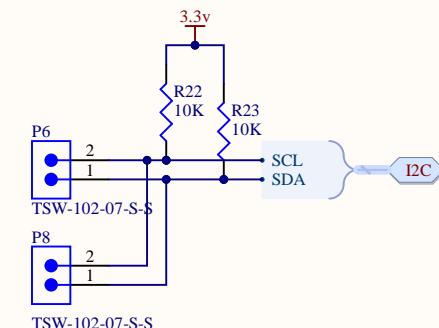
C



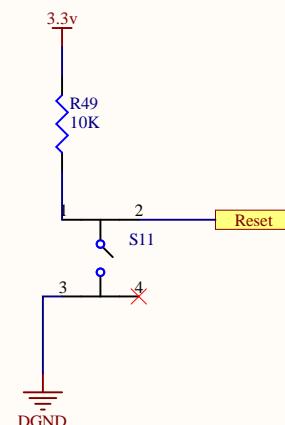
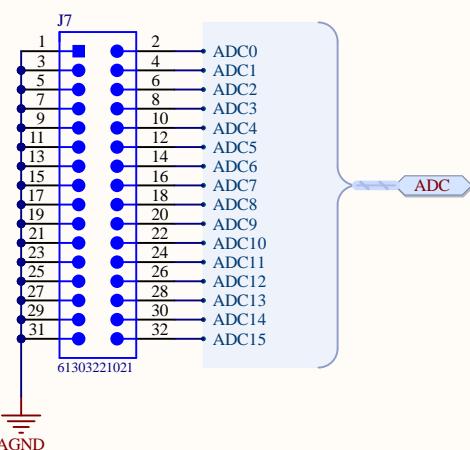
D



I2C



ADC



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

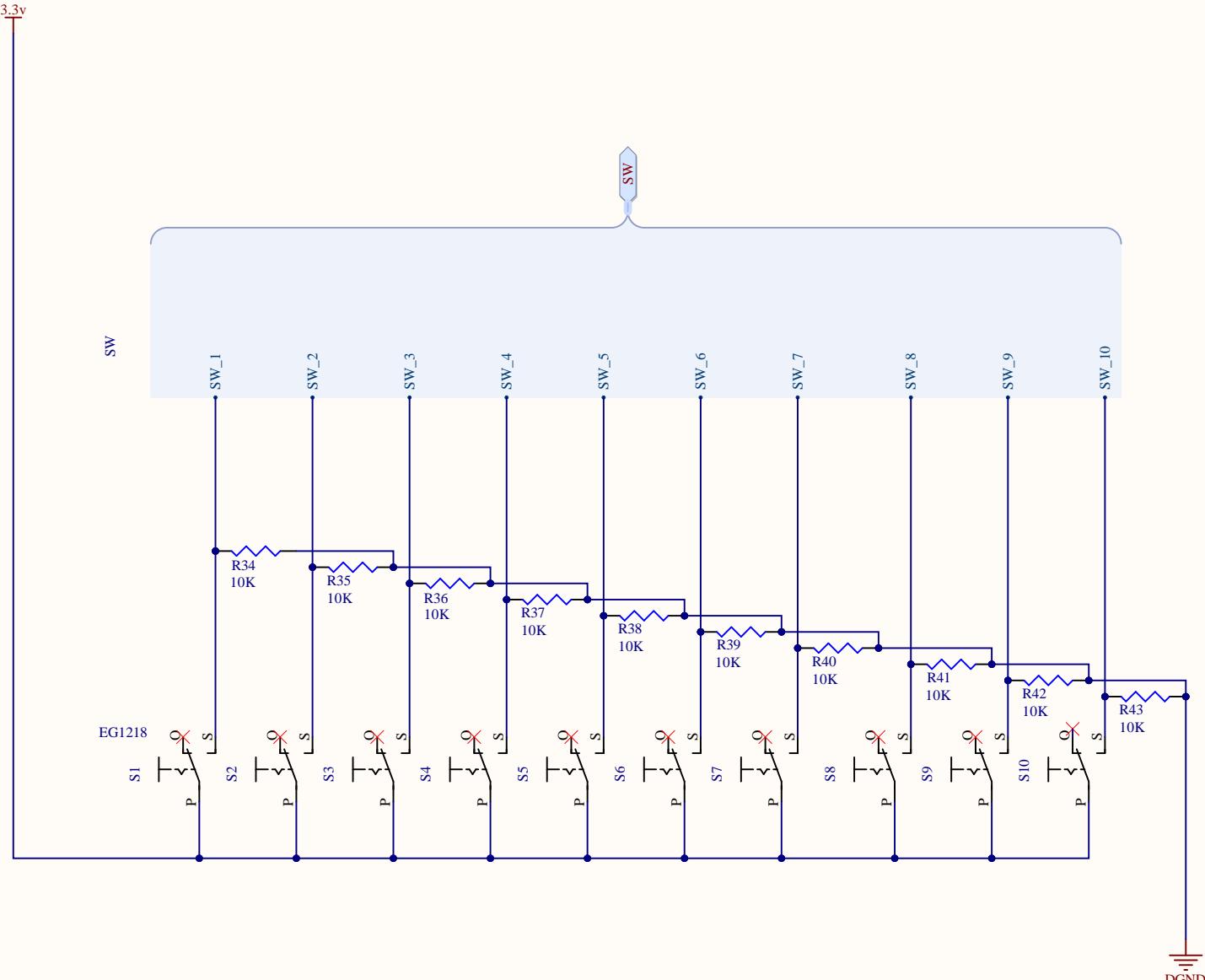
B

C

C

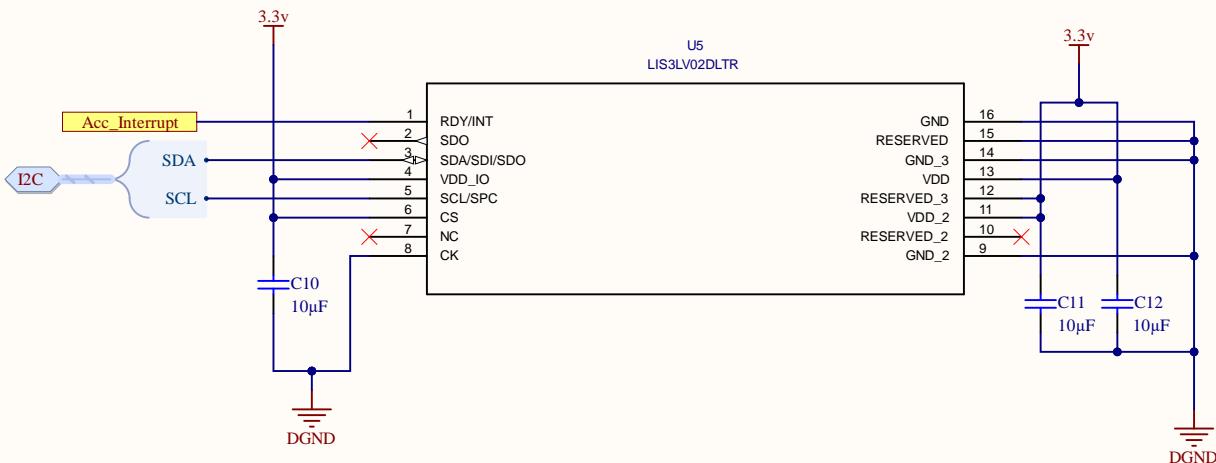
D

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 A	Number 12
Revision 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

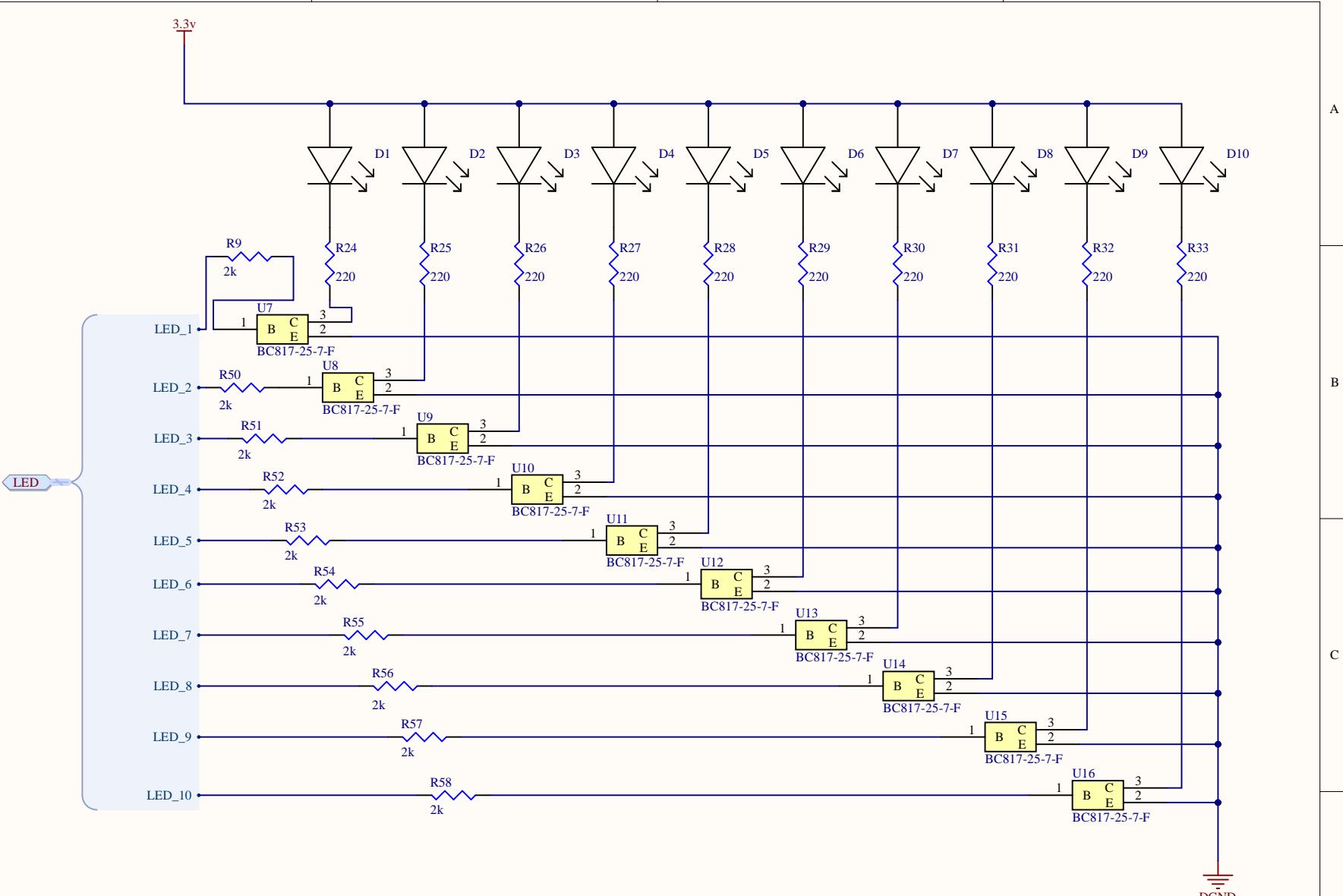
J1E

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
J16	J16	K16	K16
J17	J17	K17	K17
J18	J18	K18	K18
J19	J19	K19	K19
J20	J20	K20	K20
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J34	J34	K34	K34
J35	J35	K35	K35
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

