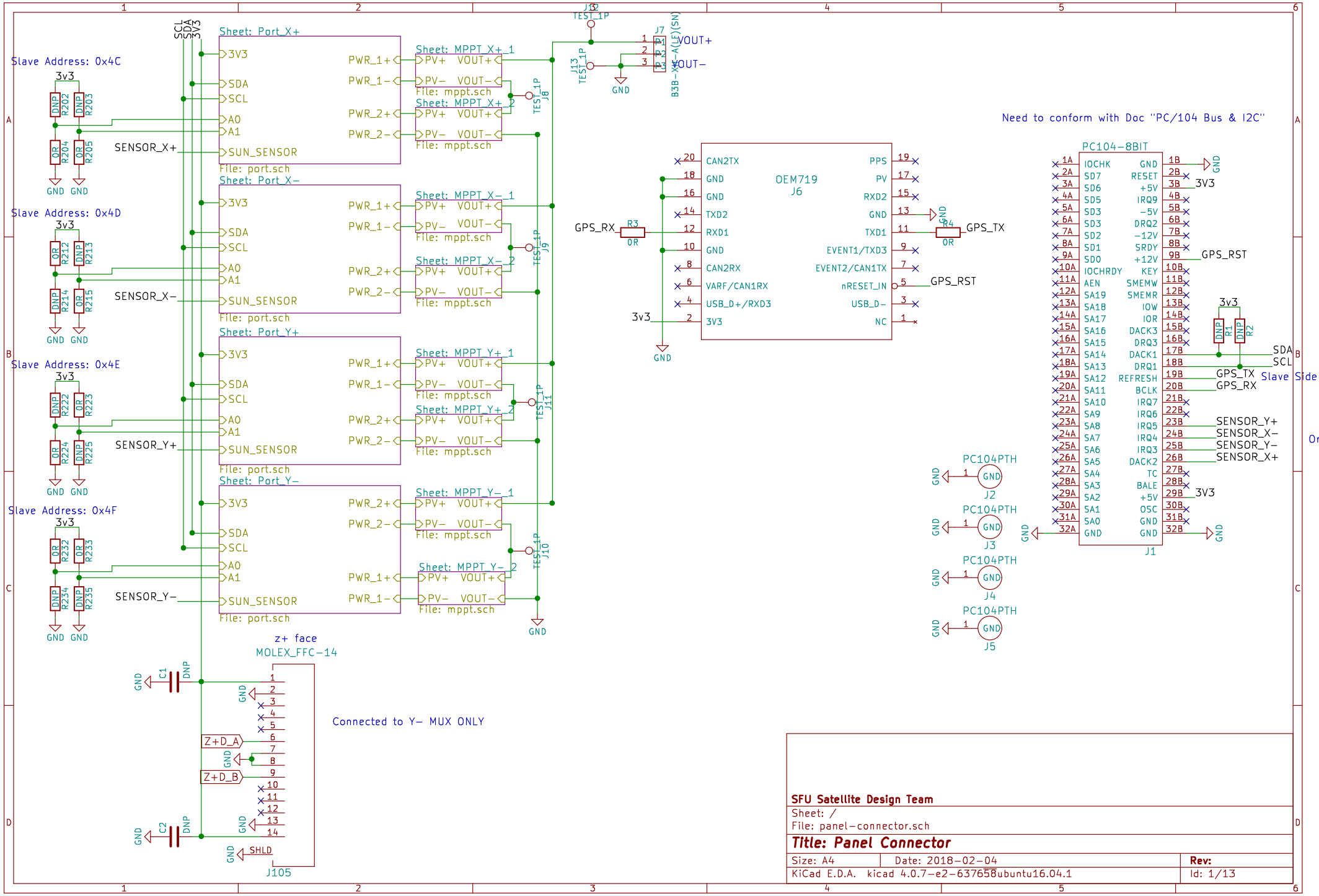
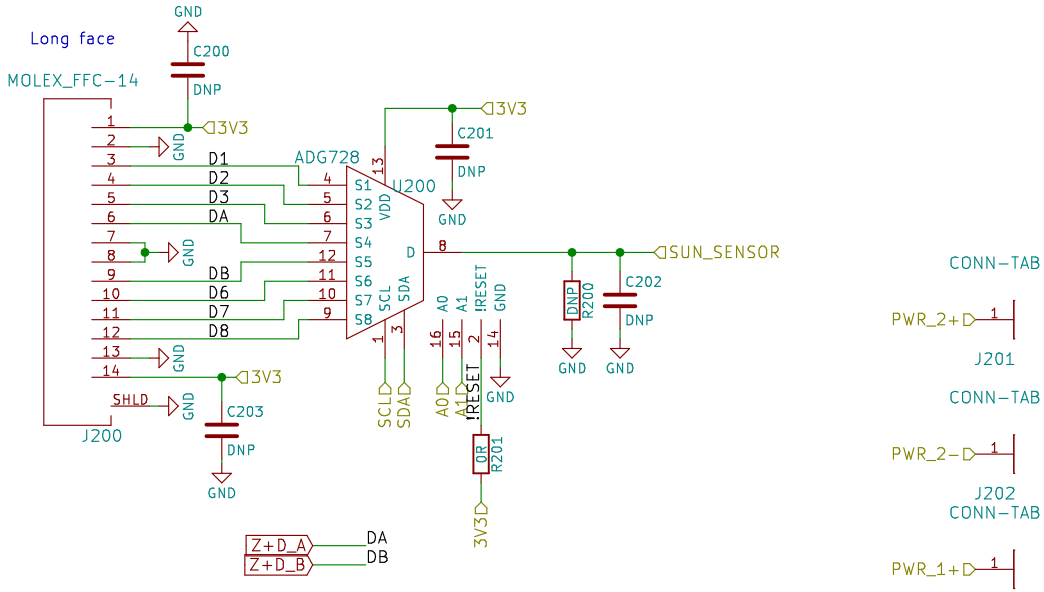

Slave Address: 0x4C
Slave Address: 0x4D
Slave Address: 0x4E
Slave Address: 0x4F
SENSOR_X+
SENSOR_X−
SENSOR_Y+
SENSOR_Y−
Sheet: Port_X+
Sheet: Port_X−
Sheet: Port_Y+
Sheet: Port_Y−
File: port.sch
Sheet: MPPT_X+_1
Sheet: MPPT_X+_2
Sheet: MPPT_X−_1
Sheet: MPPT_X−_2
Sheet: MPPT_Y+_1
Sheet: MPPT_Y+_2
Sheet: MPPT_Y−_1
Sheet: MPPT_Y−_2
File: mppt.sch
VOUT+
VOUT−
z+ face
MOLEX_FFC−14
Z+D_A
Z+D_B
SHLD
J105
Connected to Y− MUX ONLY
OEM719
J6
GPS_RX
GPS_TX
GPS_RST
Need to conform with Doc "PC/104 Bus & I2C"
PC104−8BIT
J1
PC104PTH
J2
J3
J4
J5
SDA
SCL
Slave Side Label
Ordered
SFU Satellite Design Team
Sheet: /
File: panel−connector.sch
Title: Panel Connector
Size: A4
Date: 2018−02−04
KiCad E.D.A. kicad 4.0.7−e2−637658ubuntu16.04.1
Rev:
Id: 1/13

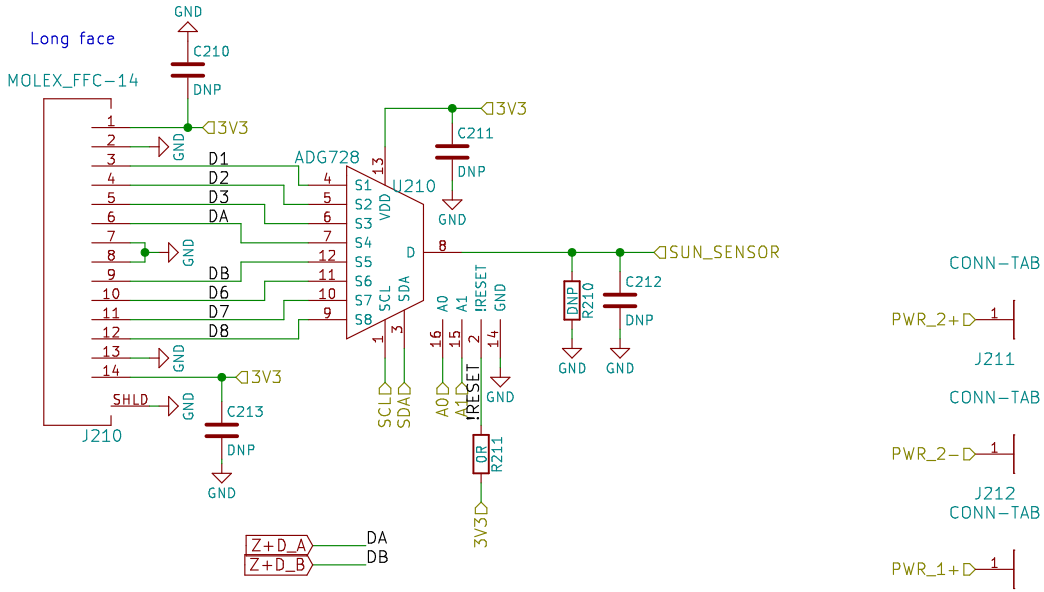


CONN-TAB
PWR_2+
J201
CONN-TAB
PWR_2-
J202
CONN-TAB
PWR_1+
J203
CONN-TAB
PWR_1-
J204

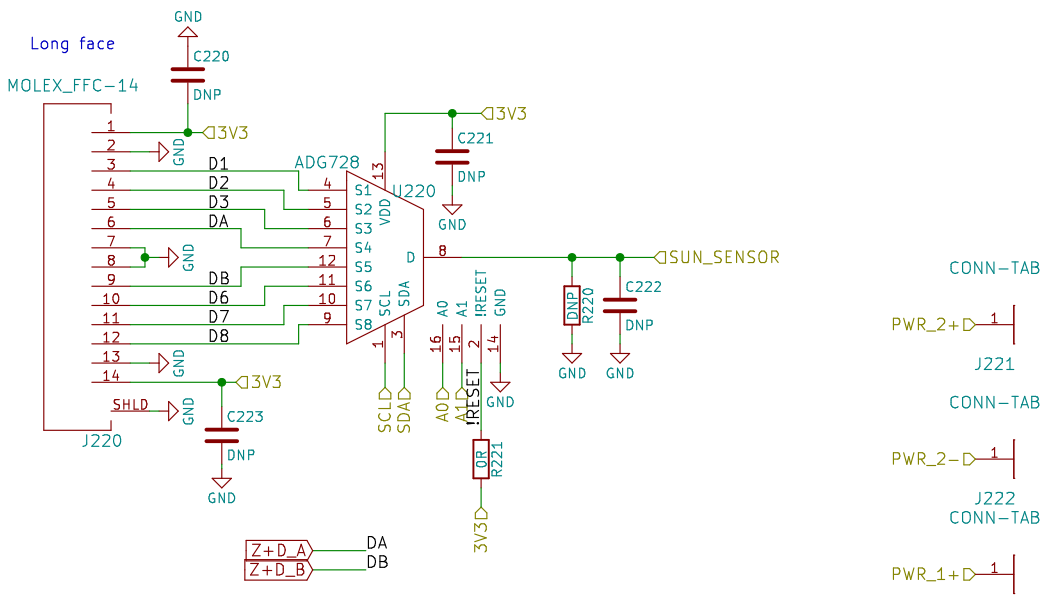
Sheet: /Port_X+/
File: port.sch

Title:

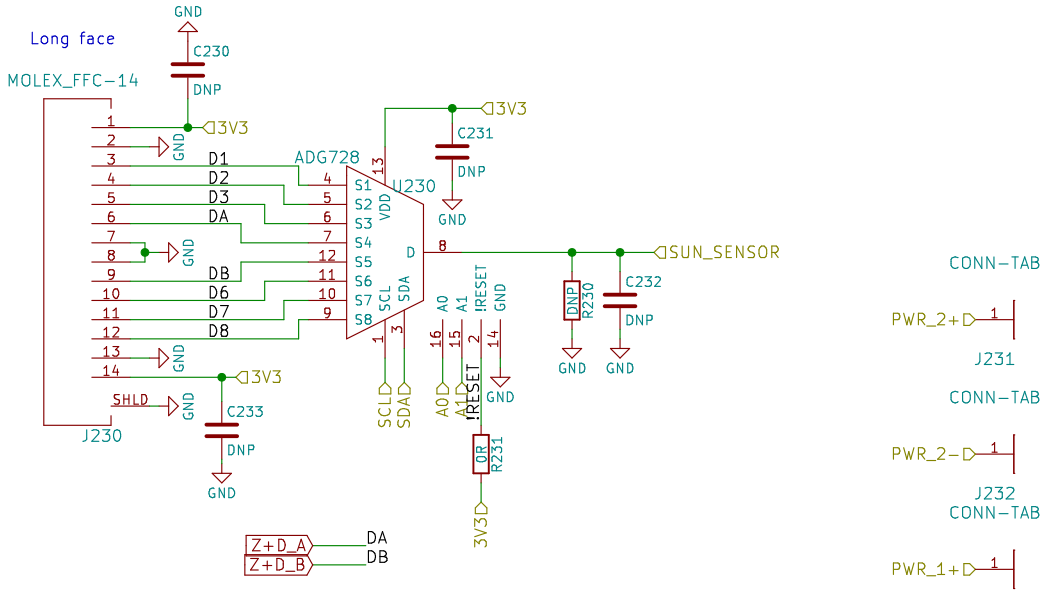
Size: A4 | Date: | **Rev:**
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1 | Id: 2/13



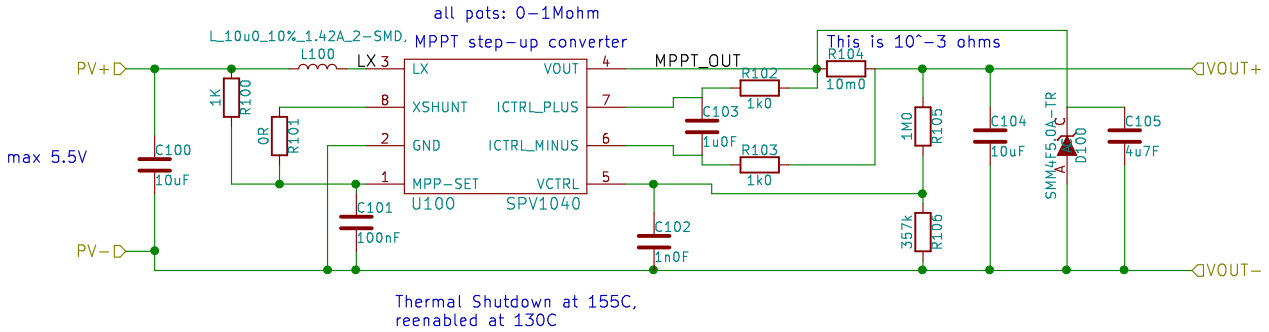
Sheet: /Port_X-/	
File: port.sch	
Title:	
Size: A4	Date:
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1	Id: 3/13



Sheet: /Port_Y+/	
File: port.sch	
Title:	
Size: A4	Date: **Rev:**
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1	Id: 4/13



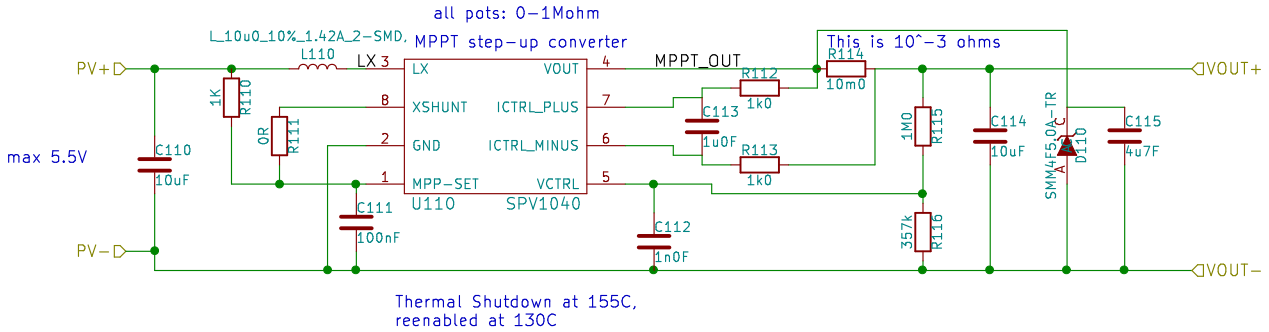
Sheet: /Port_Y-/	
File: port.sch	
Title:	
Size: A4	Date:
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1	Id: 5/13



Based off of Section 5 of application note AN3319

Vout_max = 4.8V = (R1/R2 +1)*1.25

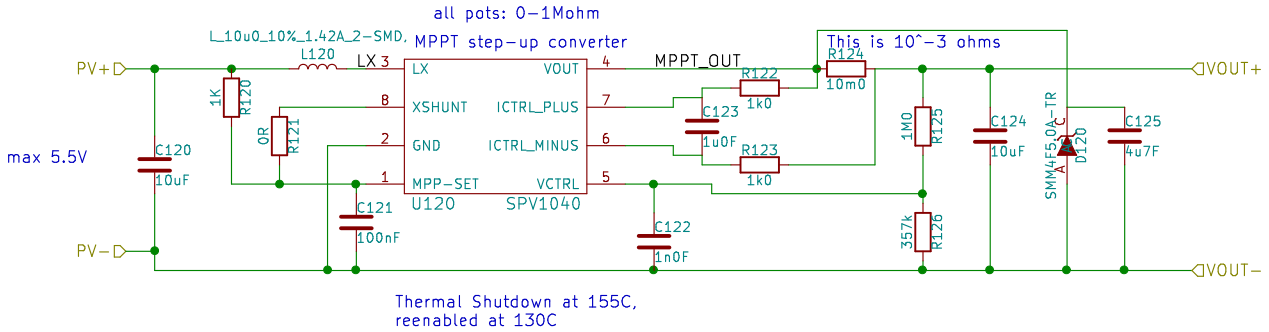
Sheet: /MPPT_X+_1/	
File: mppt.sch	
Title: CubeSat Electrical Power Subsystem	
Size: A4	Date:
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1	Id: 6/13



Based off of Section 5 of application note AN3319

Vout_max = 4.8V = (R1/R2 +1)*1.25

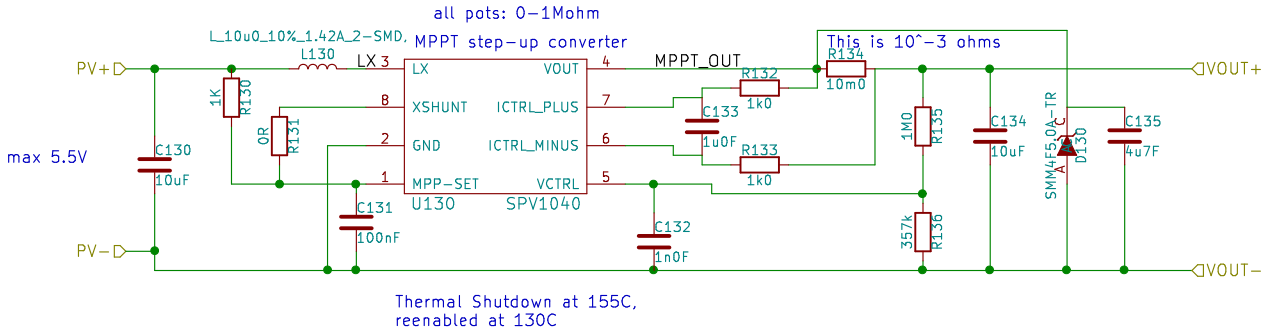
Sheet: /MPPT_X+_2/ File: mppt.sch		
Title: CubeSat Electrical Power Subsystem		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1		Id: 7/13



Based off of Section 5 of application note AN3319

Vout_max = 4.8V = (R1/R2 +1)*1.25

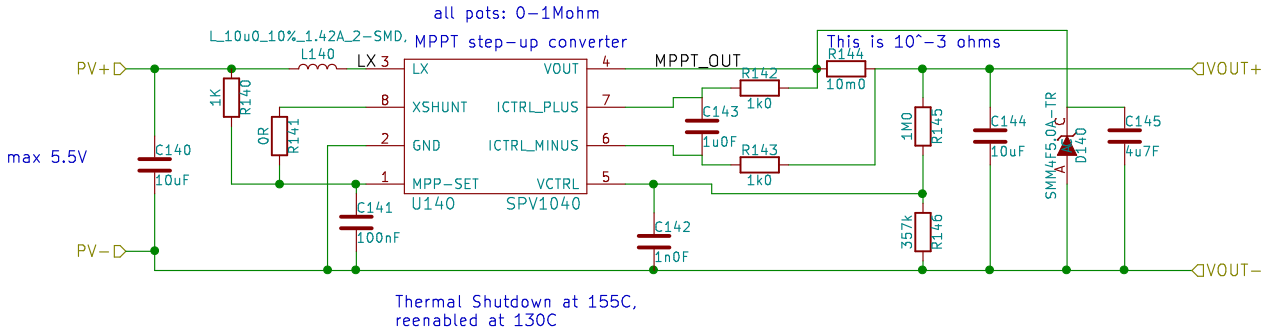
Sheet: /MPPT_X-_1/ File: mppt.sch		
Title: CubeSat Electrical Power Subsystem		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1		Id: 8/13



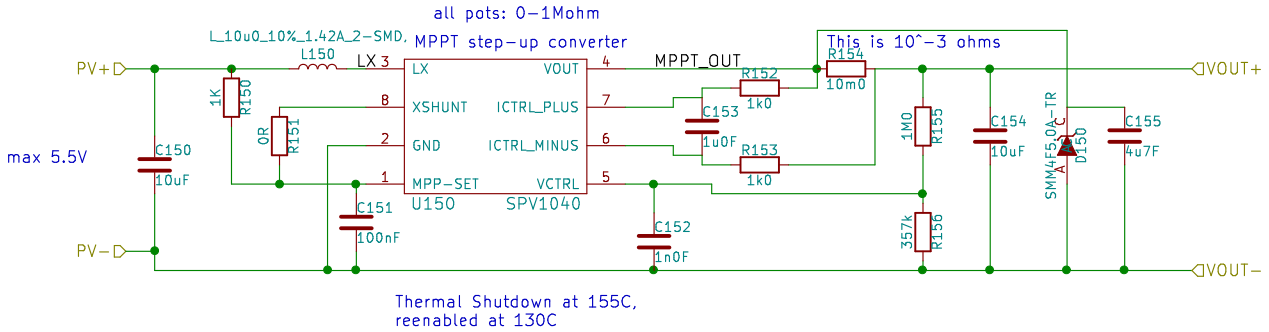
Based off of Section 5 of application note AN3319

Vout_max = 4.8V = (R1/R2 +1)*1.25

Sheet: /MPPT_X-_2/	
File: mppt.sch	
Title: CubeSat Electrical Power Subsystem	
Size: A4	Date:
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1	Id: 9/13



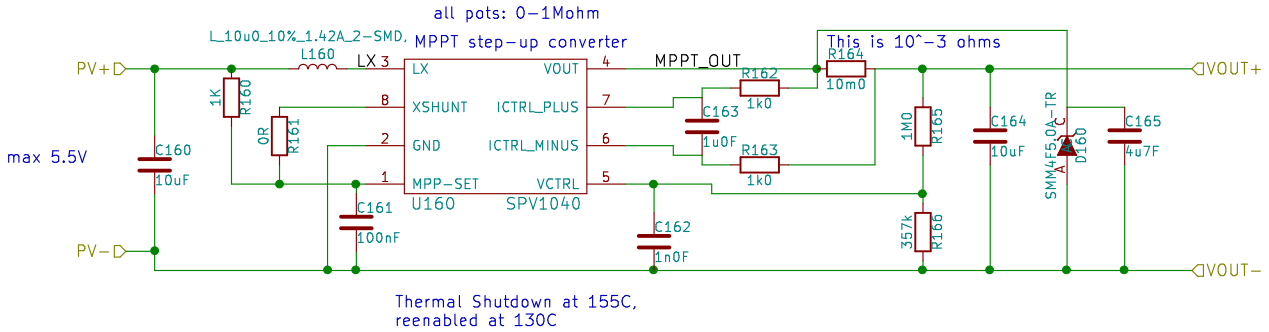
Sheet: /MPPT_Y+_1/	
File: mppt.sch	
Title: CubeSat Electrical Power Subsystem	
Size: A4	Date:
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1	Id: 10/13



Based off of Section 5 of application note AN3319

Vout_max = 4.8V = (R1/R2 +1)*1.25

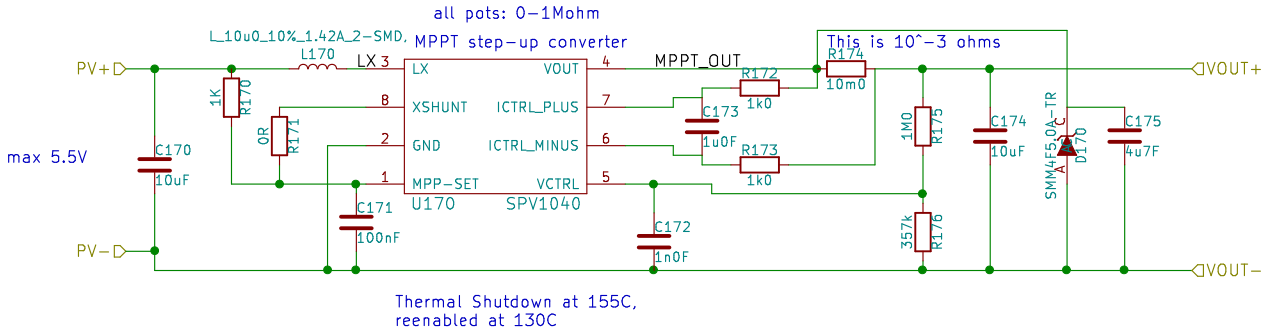
Sheet: /MPPT_Y+_2/ File: mppt.sch		
Title: CubeSat Electrical Power Subsystem		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1		Id: 11/13



Based off of Section 5 of application note AN3319

Vout_max = 4.8V = (R1/R2 +1)*1.25

Sheet: /MPPT_Y-_1/ File: mppt.sch		
Title: CubeSat Electrical Power Subsystem		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1		Id: 12/13



Based off of Section 5 of application note AN3319

Vout_max = 4.8V = (R1/R2 +1)*1.25

Sheet: /MPPT_Y-_2/ File: mppt.sch		
Title: CubeSat Electrical Power Subsystem		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1		Id: 13/13