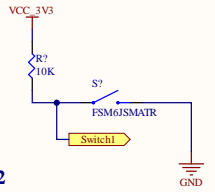


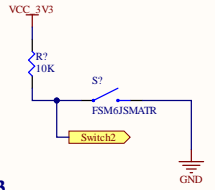




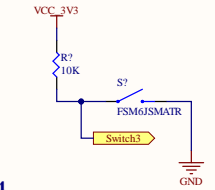
Button 1



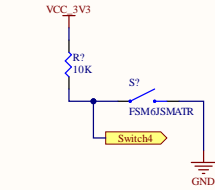
Button 2



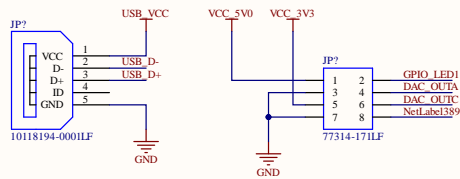
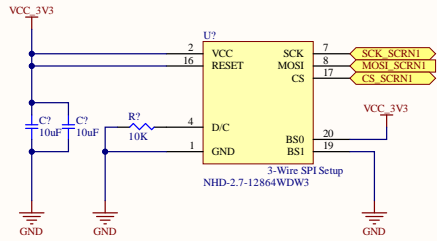
Button 3



Button 4



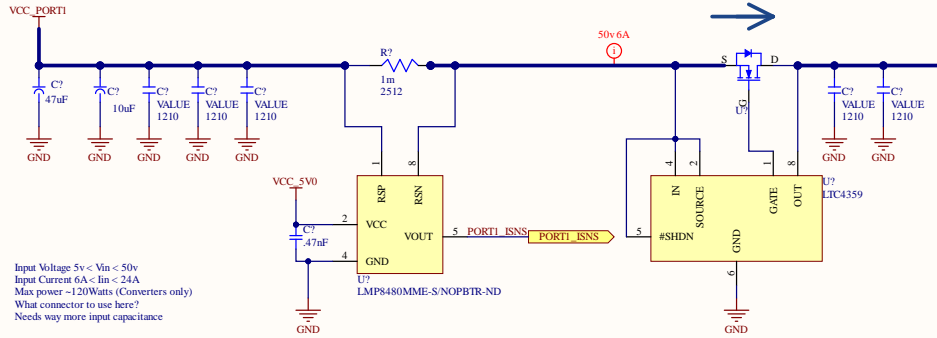
128X64 OLED Display



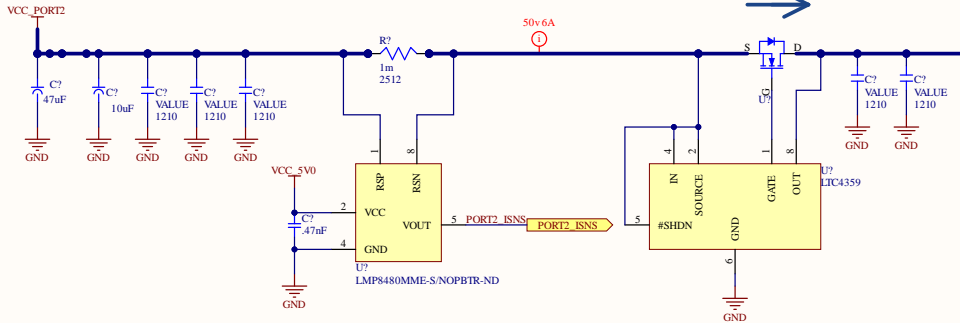
1	2	3	4	5	6
A					A
B					B
C					C
D					D
1	2	3	4	5	6

Title		
Size	Number	Revision
Tabloid		
Date:	10/17/2021	Sheet of
File:	C:\Users\...\Peripherals.SchDoc	Drawn By:

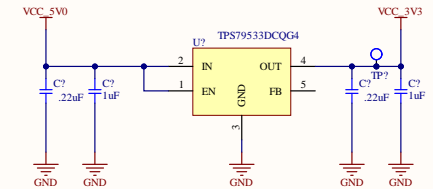
### Power Port 1



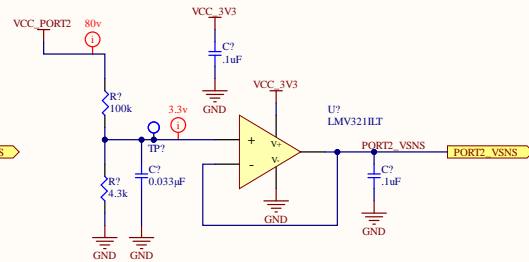
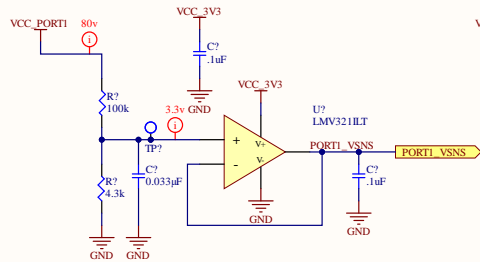
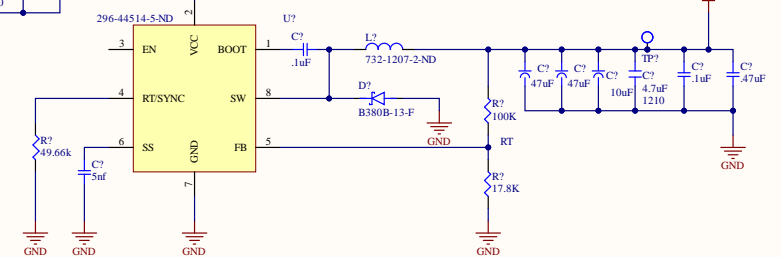
### Power Port 2



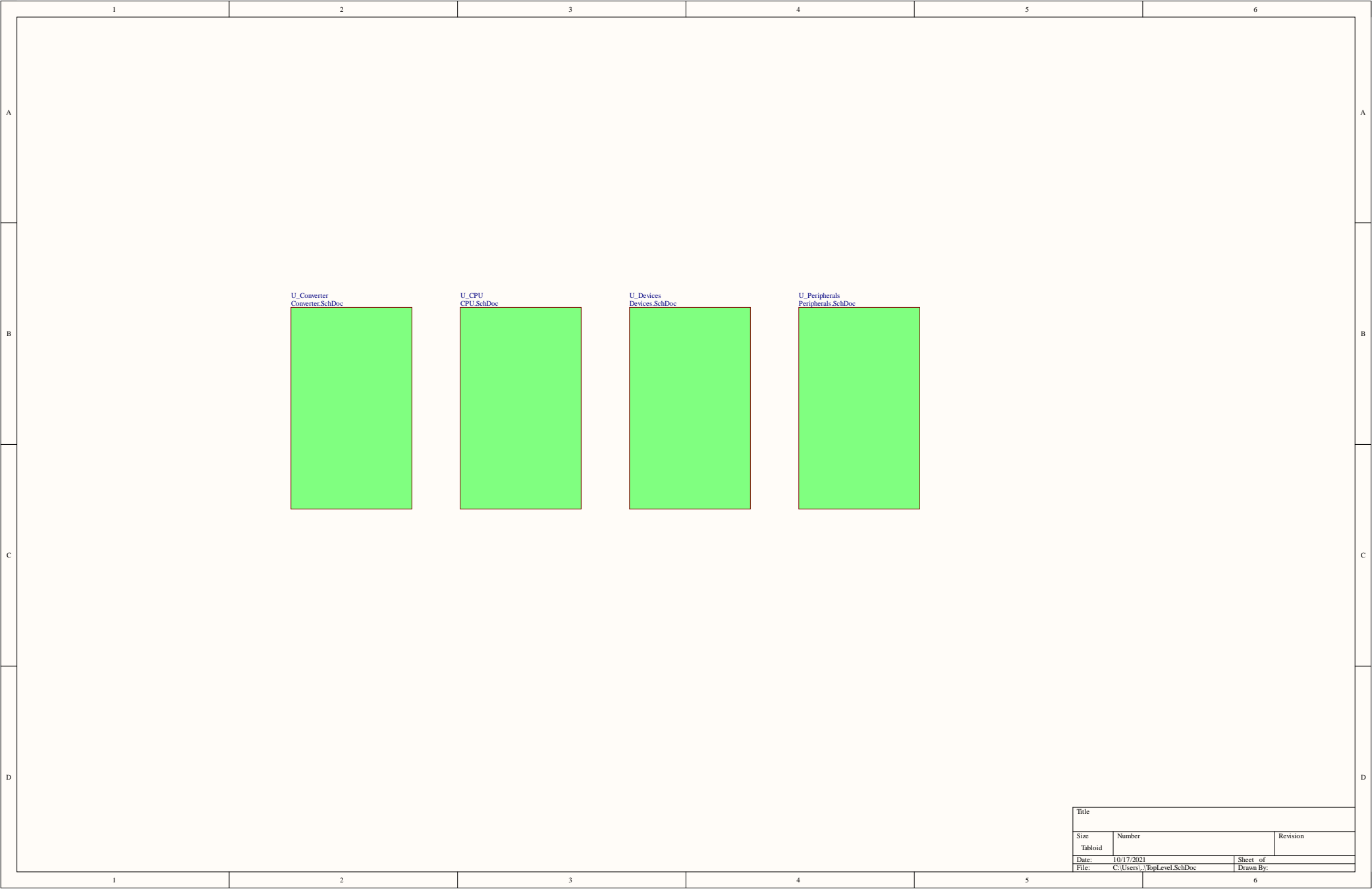
### 3.3V LDO



### 5V BUCK



Title		
Size	Number	Revision
Tabloid		
Date:	10/17/2021	Sheet of
File:	C:\Users\...\PowerPath.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	Value	Quantity
1uF	9603 CAP CER 0.002UF 50V X7R 9603	C7	SMD-0603C	EC2188071H472KA01 D1	8
1uF	CAP CER 0.0125UF 50V NP0/9603 CAP CER 0.015UF 50V NP0 9603	C7	SMD-0805C	2RM42195C1H12JF40 T0 2RM42195C1H15JG40 T0	3
22uF	CAP CER 0.22UF 25V X7R 9603	C7	SMD-0603C	EC2188071E224KA12 D1	2
47nF	CAP CER 0.00047UF 50V X7R 9603	C7	SMD-0603C	EC2188071H222KA01 D1	2
47uF	CAP CER 0.015UF 50V NP0 9603	C7	SMD-0805C	2RM42195C1H12JF40 T0	2
0.033uF	CAP CER 0.033UF 50V X7R 9603	C7	SMD-0603C	EC2188071H332KA12 D1	2
0.10uF	CAP CER 0.1UF 50V X7R 9603	C7	SMD-0603C	EC2188071H104KA12 D1	2
1uF	CAP CER 0.002UF 50V X7R 9603 CAP CER 0.22UF 25V X7R 9603	C7	SMD-0603C	EC2188071H222KA01 D1 EC2188071E224KA12 D1	3
6.7uF	CAP 100V 1210	C7	1210-080	CAP 6.7uF 1210	1
6.7uF	9603	C7	SMD-0603C	EC2188071H472KA01 D1	8
9nF	CAP CER 10000PF 100V X7R 9603	C7	SMD-0603C	EC2188072A702KA01 D1	1
CAP CER 0.1UF 50V X7R 9603	C7	SMD-0805C	EC2188071H104KA3 T1	2	
10.EEE-FN1K470U7V1R0 SMD SMD	C7	EEE-FN1K470U7V	CAP ALUM 47UF	7	
10uF	CAP SMD 1210	C7	1210 cap	CAP SMD 1210	3
10uF	CAP CER 0.1UF 50V X7R 9603	C7	SMD-0805C	EC2188071C104KA03 D1	2
20uF	CAP CER 0.1UF 50V X7R 9603	C7	SMD-0805C	EC2188071H104KA3 T1	2
22uF	9603	C7	SMD-0603C	EC2188071H472KA01 D1	1
22uF	9603	C7	SMD-0603C	EC2188071H472KA01 D1	1
100nF	CAP CER 0.1UF 50V X7R 9603	C7	SMD-0805C	EC2188071H104KA3 T1	4
470nF	9603	C7	SMD-0603C	EC2188071H472KA01 D1	1
EEE-FN1K100U1R0 SMD SMD	C7	panasonic dB	CAP ALUM 10UF	7	
VALLE	CAP SMD 1210	C7	1210 cap	CAP SMD 1210	10
8380B-13-F	DIODE SCHOTTKY BRV SA SMD	C7	DO-214AA/SMB	DIODE 8380B-13-F	1
BAT46W115	Diode Schottky 10V 250mA [DC] Surface Mount SOD-323F	C7	SOD323F	BAT46W115	2
LED -0805		C7	0805 SMD	LED -0805	2
9K50L1PM5TR-ND	DIODE SCHOTTKY BRV SA DO214AB/SMD	C7	SMA(DO-214AB)	9K50L1P	4
7314-1711F	CONN HEADER VERT 8POS 2.54MM	JP7	2x4 Pin Header	CONN HEADER VERT 2x4	2
122Y128	Powerpin Connors 122Y128	JP7	2x1_Term_Block	12MM BLK 2P SIDE SMT 5.08MM	1
10118194.00011F	CONN RCPT UHS2.0 MICRO B SMD BGA	JP7	014-439	CONN USB	1
M3	M3 MOUNT HOLE 0.85	JP7	M3 Hole	WOLE MOUNT M3	4
732-1207-2-ND	PROD IND 8.2UH 0.25A 20MHz SMD	L7	8B2	INDUCTOR 144771008	1
732-2774-2-ND	PROD IND 8.2UH 0.25A 20MHz SMD	L7	Inductor	14425548AP	1
86A5	9603	C7	SMD-0603-RES	86A-282J050W	3
86P5	9603	C7	SMD-0603-RES	86P-282J050W	1
1M	9603	C7	SMD-0603-RES	86U-282J050W	1
17.4K	9603	C7	SMD-0603-RES	86U-282J050W	1
	9603	C7	SMD-0603-RES	86U-282J050W	1
0	RES SMD 0.1 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CFR22V	4
0.001	RES SMD 2512 2W	RP7	2512	RES SMD 2512	1
0.004	RES SMD 2512 2W	RP7	2512	RES SMD 2512	1
0.009	RES SMD 2512 2W	RP7	2512	RES SMD 2512	1
1K	RES SMD 1.5 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CF180V	2
1m	RES SMD 2512 2W	RP7	2512	RES SMD 2512	2
4.3K	RES SMD 2 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CF280V	2
5K	RES SMD 1.5 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CF180V	2
10k	RES SMD 1.5 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CF180V	2
10K	RES SMD 0.1 OHM 1% 1/2W 9603	RP7	SMD-0805-RES	86U-48WFR100V	1
17.4K	RES SMD 0.22 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CFR22V	5
49.44K	RES SMD 0.22 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CFR22V	1
82	RES SMD 0.22 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CFR22V	1
73-2K	9603	C7	SMD-0603-RES	86U-382J050W	1
84.8K	9603	C7	SMD-0603-RES	86U-382J050W	1
100K	RES SMD 0.011 OHM 1% 1/2W 9603	RP7	SMD-0805-RES	86U-4CWF011TV	2
100K	RES SMD 0.22 OHM 1% 1/4W 9603	RP7	SMD-0603-RES	86U-38CFR22V	3
200K	9603	C7	SMD-0603-RES	86U-382J050W	1
PSMA50MSTR	SWITCH TACTILE SPST NO 0.050 24V	C7	TACTILE 4 PIN SMD 16MM	SWITCH TACTILE SPST	4
TEST POINT 1MM	Test pad for test points	JP7	TEST POINT	TEST POINT 16MM	8
2N6-15227-2-ND	IC DAC 12BIT V-OUT 10VSSOP	C7	10-VSSOP	IC DAC DAC75152DC08	1
2N6-44514-5-ND	IC REG BUCK ADJUSTABLE 3A 800mV	C7	DDA R-PDSO-G8	IC LM1146355DDA	1
LAP8480MM-5-ND	IC CURR SENSE 1 CHANNEL 8VSSOP	C7	DGK(S-PDSO-G8)	IC LMP8480	2
LMV321NLT	IC OPAMP GP 1 CMOSUIT 5V123-5	C7	SOT-23-5	IC OPAMP GP 1 CMOSUIT	2
LT3700FE17PBF	Buck Boost Regulator Positive Output Step-Up Reg Down DC-DC Controller IC 38-TSSOP LP	C7	TSSOP-38-GNDPAD	IC LT3700 BUCKBOOST 60V 150W	1
LTIC489	DR Controller No1 4-Channel 1.4-MSPS LTC439C04SMT19PBF 16-ND (Revolution)	C7	B-MSP	LTIC489	2
MCP4017T-104E/1T1-ND	IC DCT RCOT 100KOHM 128TAP SC70A	C7	SC70	IC DCTPOT MCP4017T-104E/1T	1
NHD-2.7-1284WDW3	Graphic LCD Display Module White OLED Passive Matrix Parallel/Serial 2" (50.8mm) 128 x 64	C7	NHD-2.7-1284WDW3	DSP OLED GRAPHIC 128B4 WHIT	1
QUAD08P-171-08378-ND	MC02118-CH-BW 60A PPAK SO-8	C7	PowerPM7 SO-8L SINGLE	QUAD08P-171-083	4
STM32L151Q16A	No Description Available	C7	LCDF_151Q16A_STM32	STM32L151Q16A_1	1
TPS733DC054	IC REG LDO 3.3V 100MA SOT23-6	C7	6 pin sot23	IC REG TPS733DC054	1
UCS-250-20-308-18	CRYSTAL 20MHz 18pF SMD	C7	4-SMD XTAL	CRYSTAL 20MHz	1
SEN4271CT-ND	C2 Toleray 420ppm Crystal 4pf 55 kHzrms 0-SMD No Load	C7	ABSO7-120	CRYSTAL 32.768KHz	1