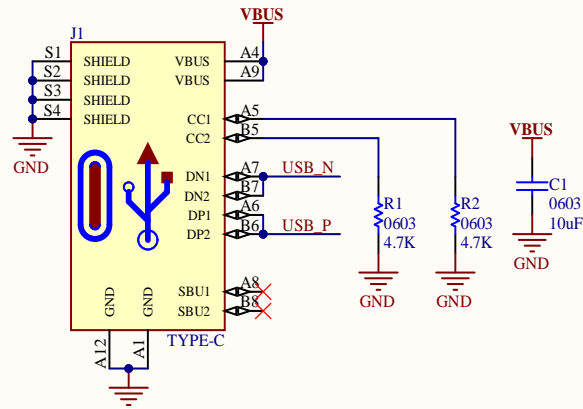
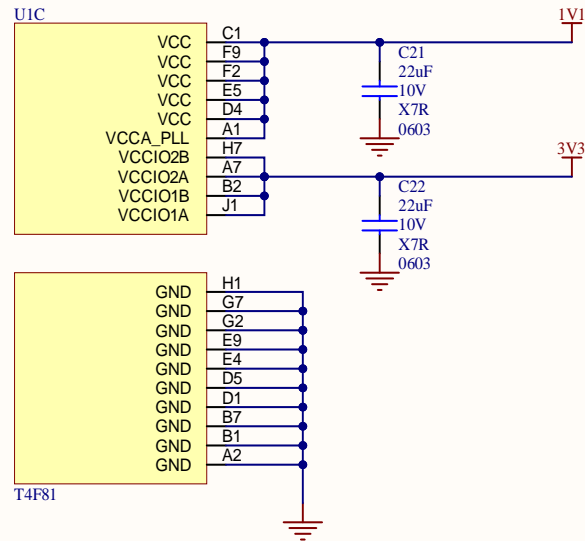
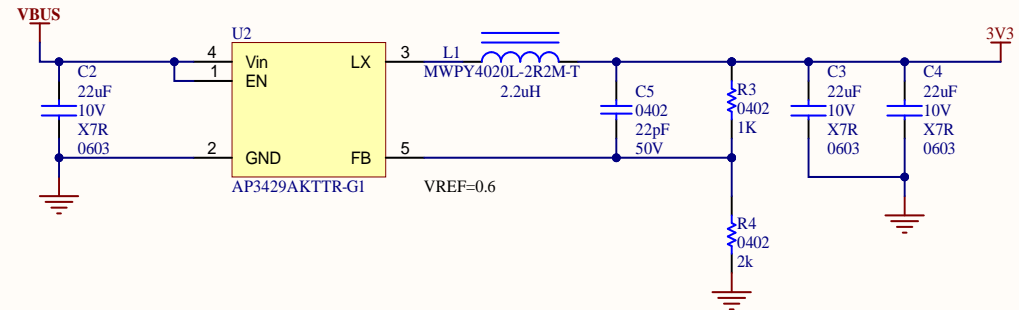


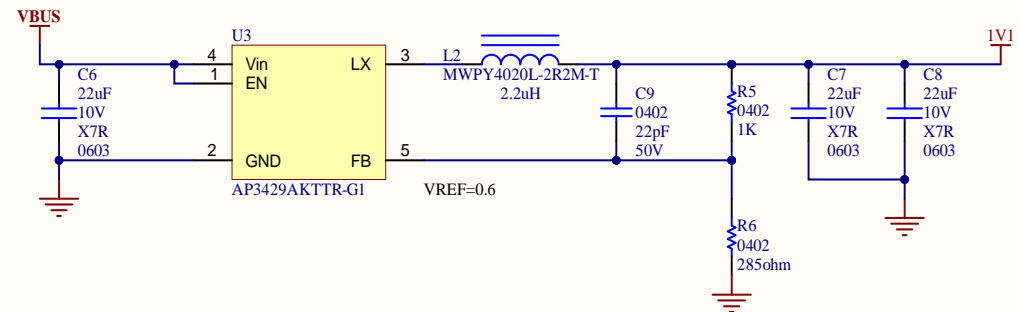
## TYPE-C



## 5V to 3.3V



## 5V to 1.1V



*		
TITLE :- Power.SchDoc		
VERSION :-	PROJECT :-	REVISION:-
CONFIDENTIAL	DATE :- 07-04-2025	SHEET :- 2 OF 3

**F**

## D



GPOR_23_CTRL4	23	21	22	24	
GPOR_25	25	23	24	26	GPOR_26_CBSEL0
GPOR_27	27	25	26	28	GPOR_35_CSO
	29	27	28	30	
		29	30		

**F**

D

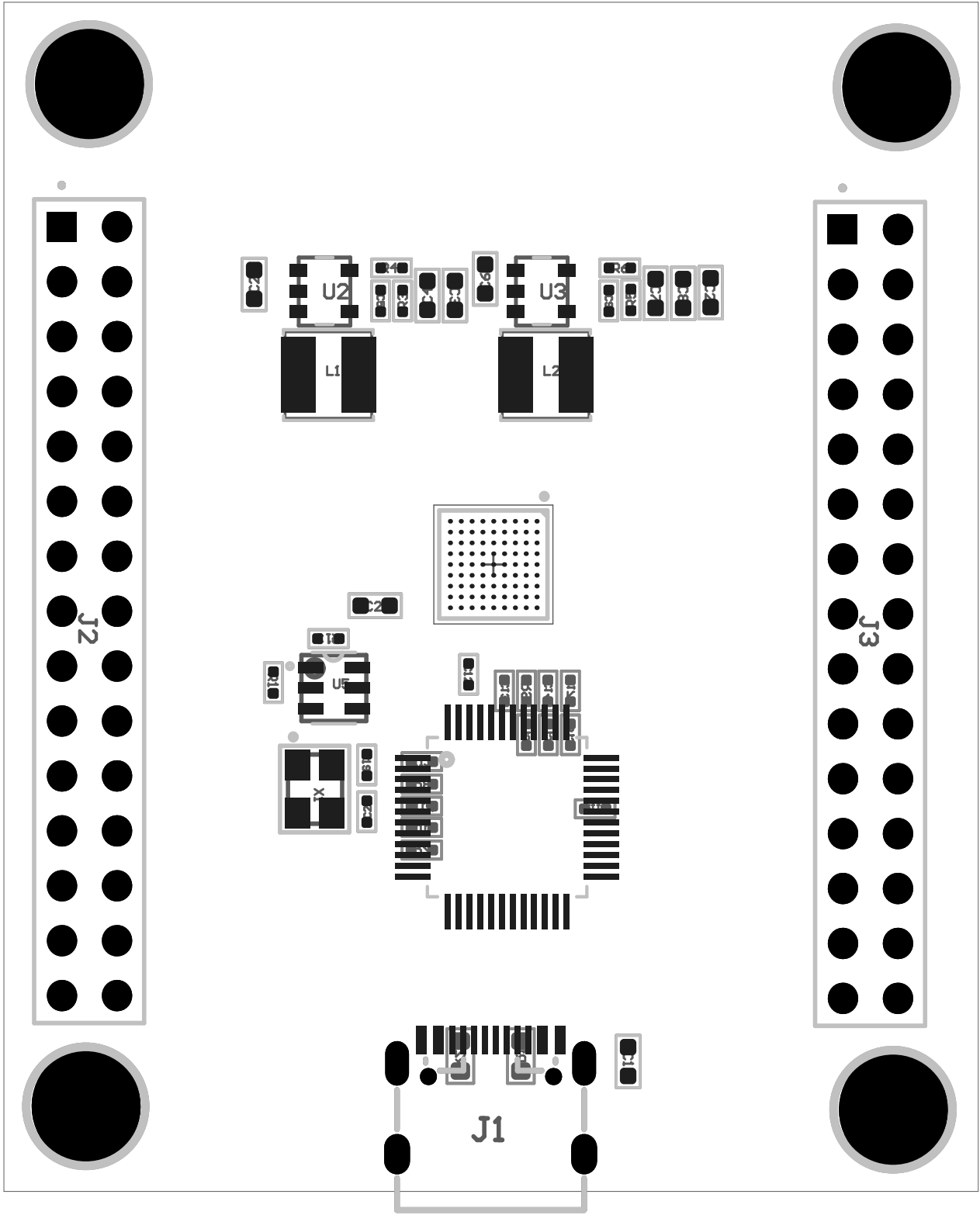
C

B

A

**SHEET :- 3 OF 3**

**SHEET :- 3 OF 3**



Comment	Description	Designator	Footprint	LibRef	Quantity
Capacitor	Ceramic Capacitor, 10uF, 0603, 10V	C1	CAPC0603	Capacitor	1
	CAP CER 22uF 10V X7R 0603	C2, C3, C4, C6, C7, C8, C21, C22	CAPC0603	Cap	8
	Ceramic Capacitor, 22pF, 0402, 50V, Ceramic Capacitor, 0.1uF, 0402, 10V, Ceramic Capacitor, 10nF, 0402, 10V, Ceramic Capacitor, 4.7uF, 0402, 10V	C5, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20	CAPC0402	Capacitor	13
TYPE-C		J1	TYPE-C	TYPE-C	1
Header 15X2 2.54mm	Connector Header position	J2, J3	Header_15X2_2.54	Header 15X2 2.54mm	2
IND_1	2.2uH, 48mOhm, 4.35A, 6.12A, ±20%, SMD, 4x4x2mm, Power Inductor (MWPY4020L-2R2M-T) (C2934996)	L1, L2	IND_4.0X4.0X2.0	IND_1	2
Resistor	Thick Film Resistor - 4.7Kohm, 1%, 0603	R1, R2	RESC0603	Resistor	2
Res1	Thick Film Resistor - 2Kohm, 1%, 0402, Thick Film Resistor - 285ohm, 1%, 0402, Thick Film Resistor - 0ohm, 1%, 0402, Thick Film Resistor - 10Kohm, 1%, 0402, Thick Film Resistor - 12Kohm, 1%, 0402	R3, R4, R5, R6, R7, R8, R9, R10, R12, R13	resc0402	Res1	10
Res1	Thick Film Resistor - 39Kohm, 1%, 0402	R11	CAPC0402	Res1	1
T4F81		U1	T4F81 fpga	T4F81	1
AP3429	Buck Switching Regulator IC Positive Adjustable 0.6V 1 Output 2A SOT-23-5 Thin, TSOT-23-5	U2, U3	SOT23-5	AP3429	2
FTDI	FT232HL, 1.62V~1.98V, 2.97V~3.63V, 24mA, 48Pin, 48-LQFP, USB Bridge, USB to UART, FIFO, Controller	U4	LQFP-48	FT232HL	1
93LC56BT-I/OT	MICROCHIP - 93LC56BT-I/OT. - 2K, 128 X 16, SERIAL EE, IND ROHS COMPLIANT: YES	U5	SOT23-6	93LC56BT-I/OT	1
XC2426TR-ND	CRYSTAL 12.0000MHZ 10PF SMD	X1	Crystal_3225	CRYSTAL_1_1	1