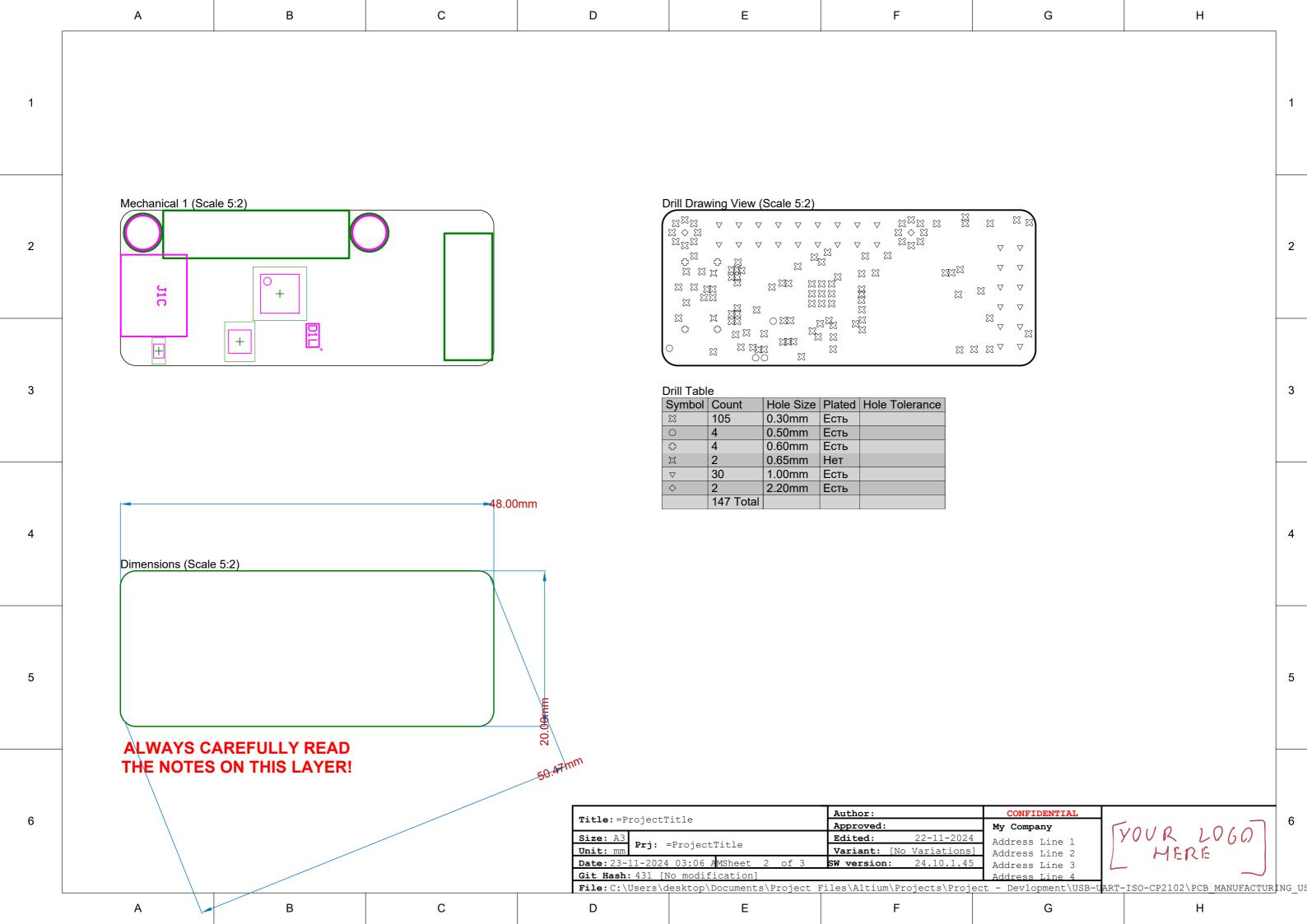
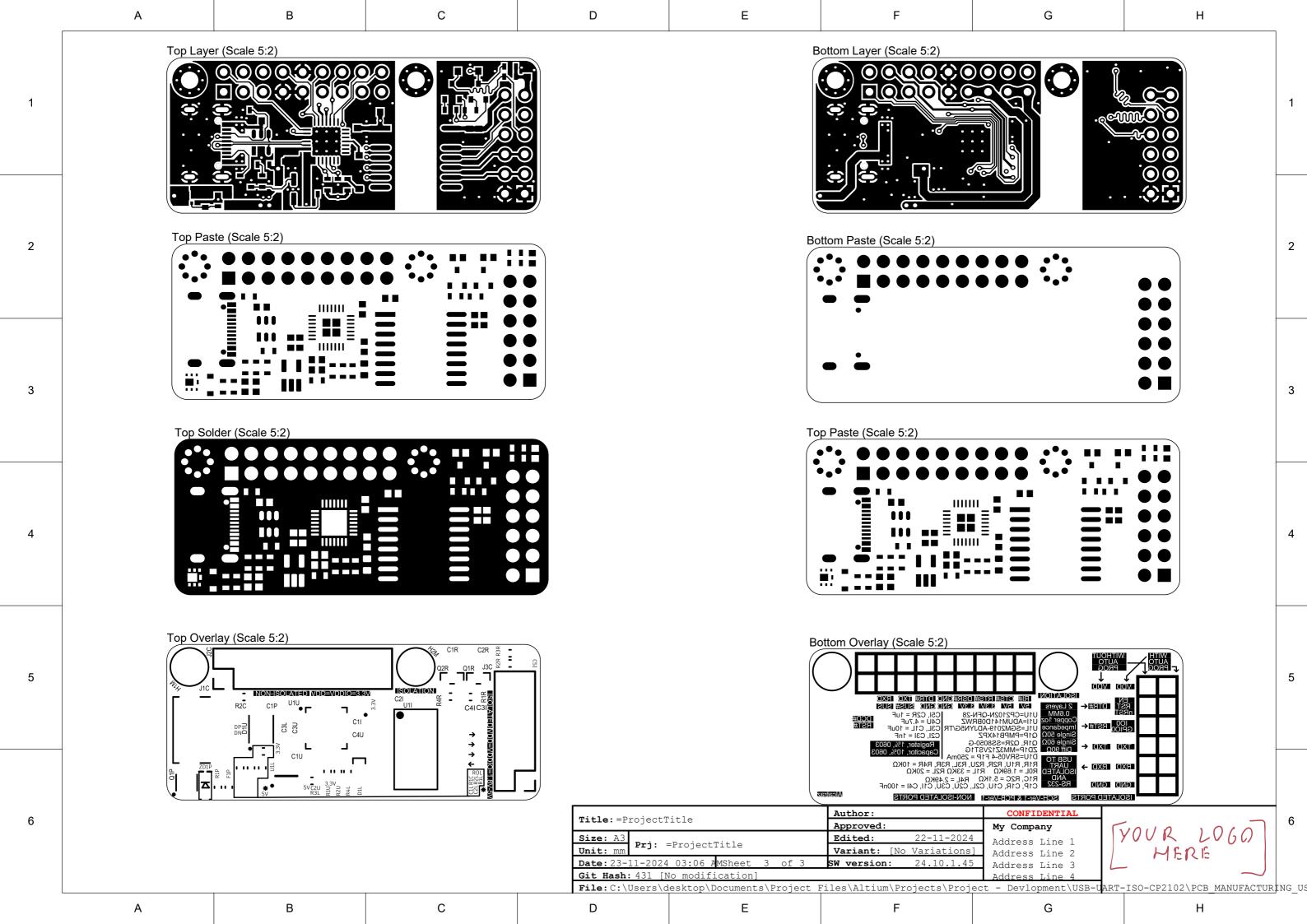
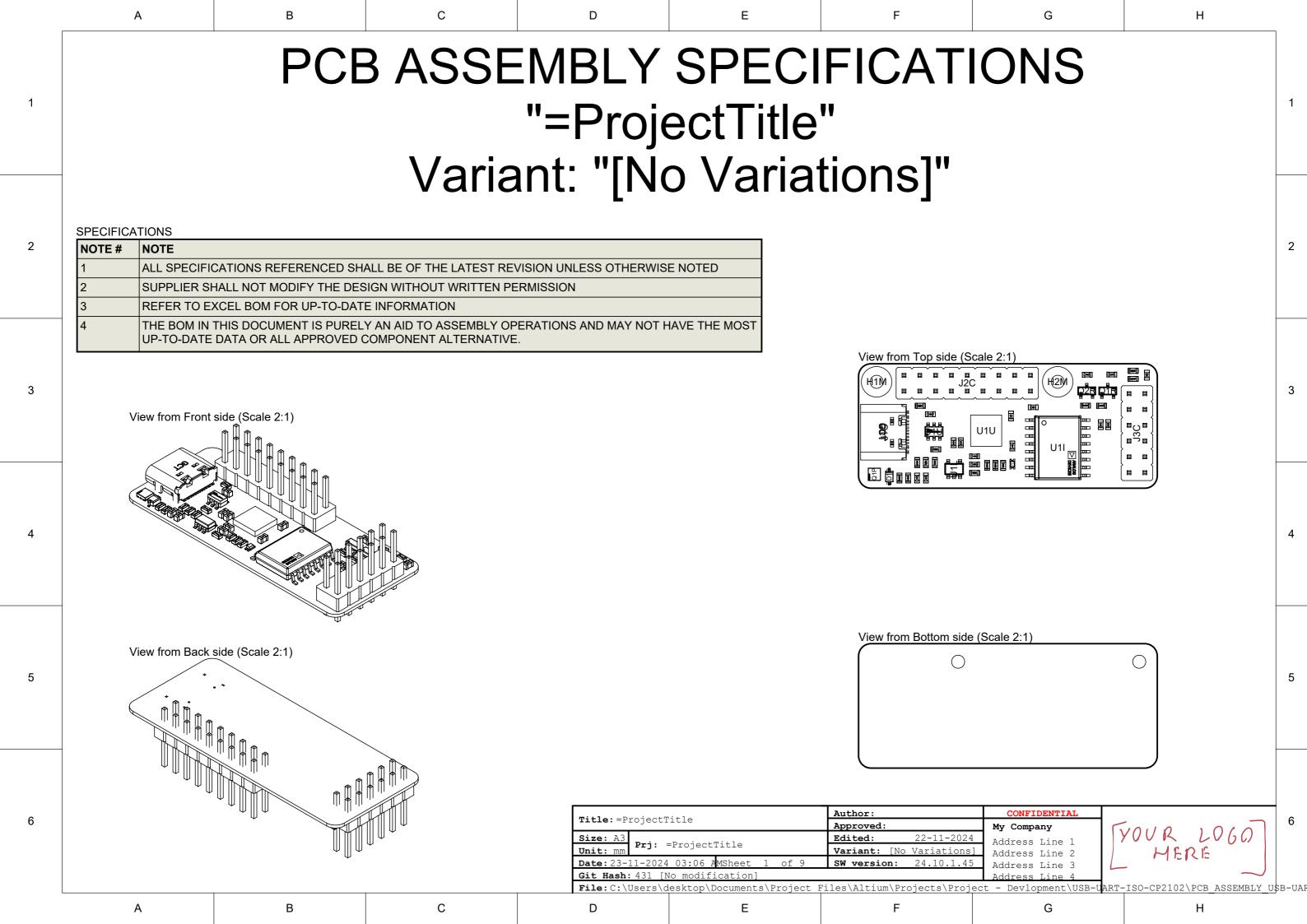
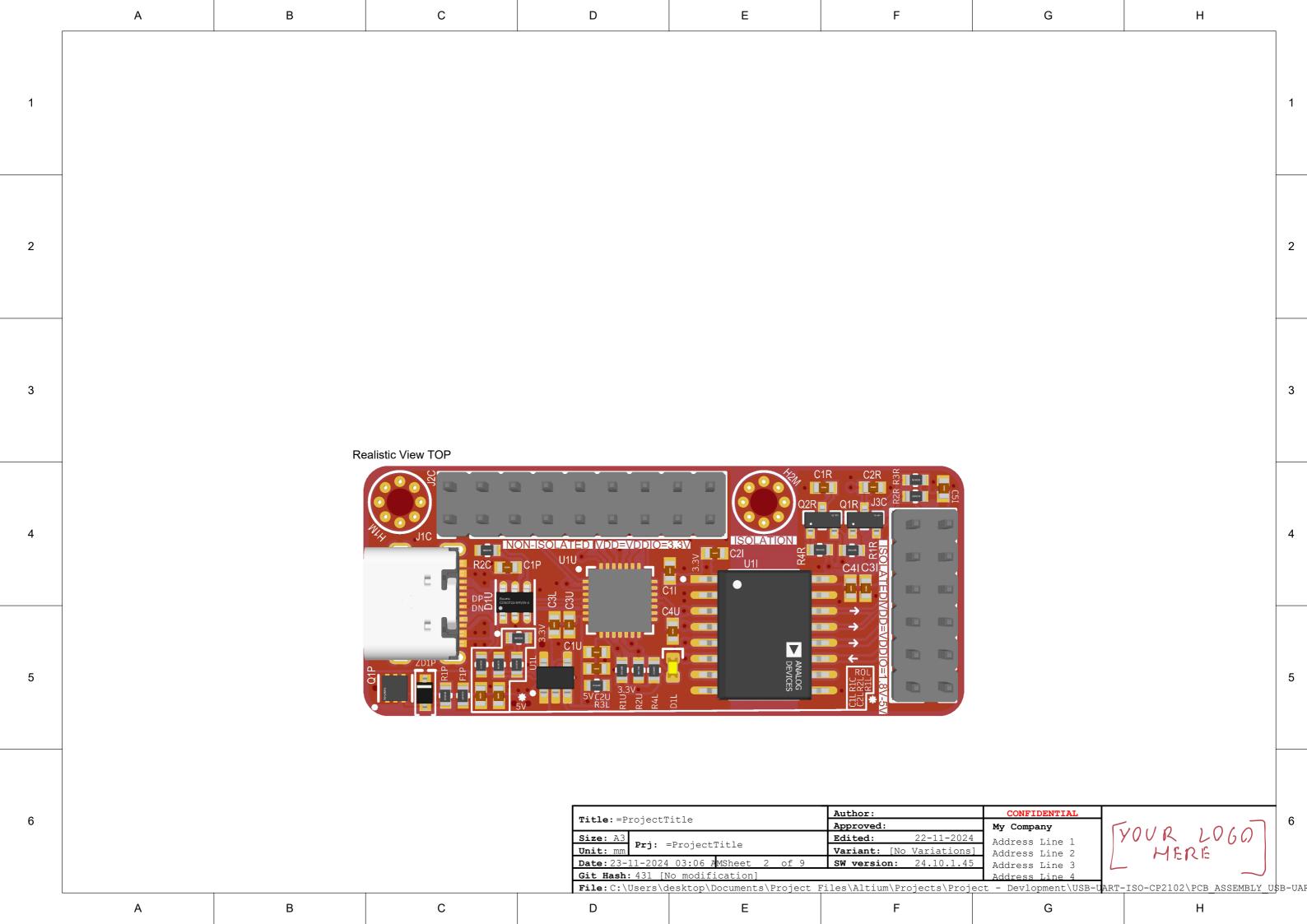


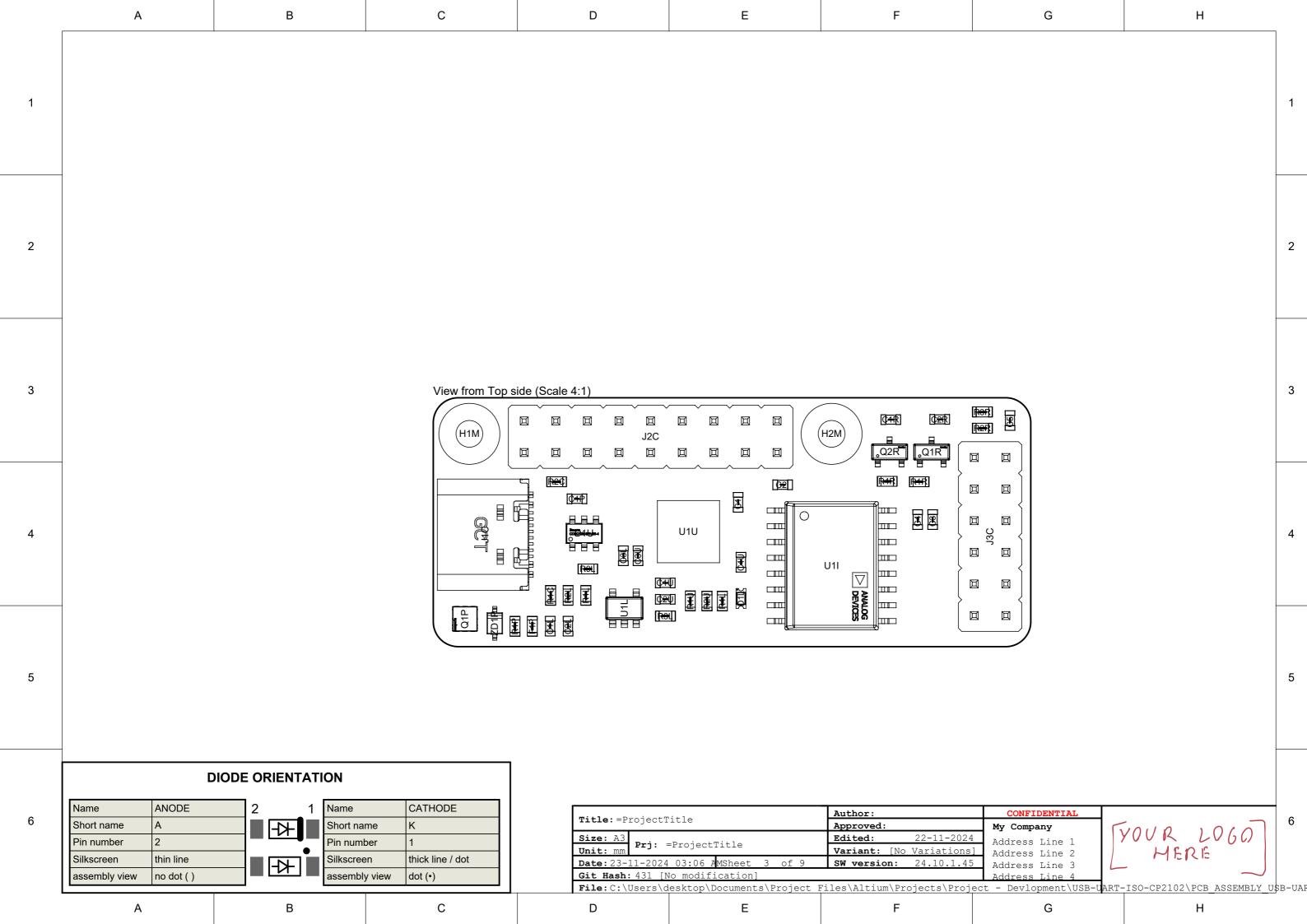
PCB MANUFACTURING SPECIFICATIONS "=ProjectTitle" **SPECIFICATIONS SPECIFICATIONS** NOTE# NOTE LENGHT 20.00mm **WIDTH** ALL SPECIFICATIONS REFERENCED ARE OF THE REVISION SPECIFIED IN THE TITLE BLOCK 48.00mm **LAYERS** SUPPLIER SHALL NOT MODIFY THE DESIGN OR APPROVED STACK-UP WITHOUT WRITTEN PERMISSION FR-4 **MATERIAL** ALL MATERIALS SHALL BE RoHS COMPLIANT AND FINAL PRODUCT SHALL BE ACCEPTABLE TO USE IN RoHS ASSEMBLY. RoHS LOGO SHALL BE MARKED IN SILKSCREEN INK BY THE SUPPLIER WHERE INDICATED BY **MATERIAL MIN TG** 130-140 THE TEXT "PLACE MARKINGS HERE" TRACK WIDTH/CLEARANCE 10 mils / 10 mils COPPER FOIL: REFER TO LAYER STACK LEGEND FOR Cu THICKNESS DETAILS. ALL Cu THICKNESSES ARE **THICKNESS** 0.6mm FINISHED AND INCLUDE BASE FOIL PLUS Cu PLATING ON PLATED LAYERS **COPPER THICKNESS** 35um (1oz) ELECTRICAL TEST: ALL PRINTED CIRCUITS SHALL BE 100% ELECTRICALLY TESTED FOR OPENS/SHORTS USING PROVIDED NETLIST. REJECTED PRINTED BOARDS MUST BE CLEARLY MARKED WITH NON-YES, TOP AND BOTTOM SOLDERMASK CONDUCTIVE. PERMANENT INK. **GREEN SOLDERMASK COLOR** MARKINGS: VENDOR MARKING AND DATE/LOT CODES SHALL BE LOCATED ON THE BOARD IN THE SILKSCREEN YES. TOP AND BOTTOM RESERVED AREA AS SPECIFIED IN THE GERBER LAYER "PCBM NOTES" BY THE TEXT "PLACE MARKINGS SILKSCREEN COLOR WHITE MARKINGS: THE SIDE ONTO WHICH PLACE THE MARKINGS IS AT THE SUPPLIER DISCRESSION UNLESS SURFACE FINISH **HASL LEAD FREE** OTHERWISE NOTED ONTO THE LAYER "PCBM NOTES" NO **GOLD FINGERS** SUPPLIER SHALL CHECK PCBM NOTES LAYER BEFORE ASKING FOR CLARIFICATIONS **CHAMFERING** YES MANUFACTURE TENTED/PLUGGED VIAS AS SPECIFIED IN THE GERBER FILES YES IMPEDANCE CONTROL HALF-CUT/CASTELLATED HOLES NO **BURIED/BLIND VIAS** NO NO VIAS FILLED WITH RESIN Layer Stack Legend Material Layer Thickness Dielectric Material Type Gerber NO **CARBON MASK** Top Overlay GTO COUNTERSINKS/COUNTERBORES NO Surface Material Top Solder Solder Mask GTS NO **Z-AXIS MILLING** Copper Top Layer Signal GTL PEELABLE SOLDERMASK NO Core 0.50mm FR-4 Dielectric **GBL** 0.04mm Signal Solder Mask GBS Surface Material Bottom Solder 0.02mm Solder Resist GBO **Bottom Overlay** Legend Total thickness: 0.60mm NON-COPPER LAYER THICKNESS FOR REFERENCE ONLY LAYERS OF TYPE "INTERNAL PLANE" ARE NEGATIVE Author: Title: =ProjectTitle Approved: My Company Address Line 1 Prj: =ProjectTitle Variant: Address Line 2 SW version: Address Line 3 С G В

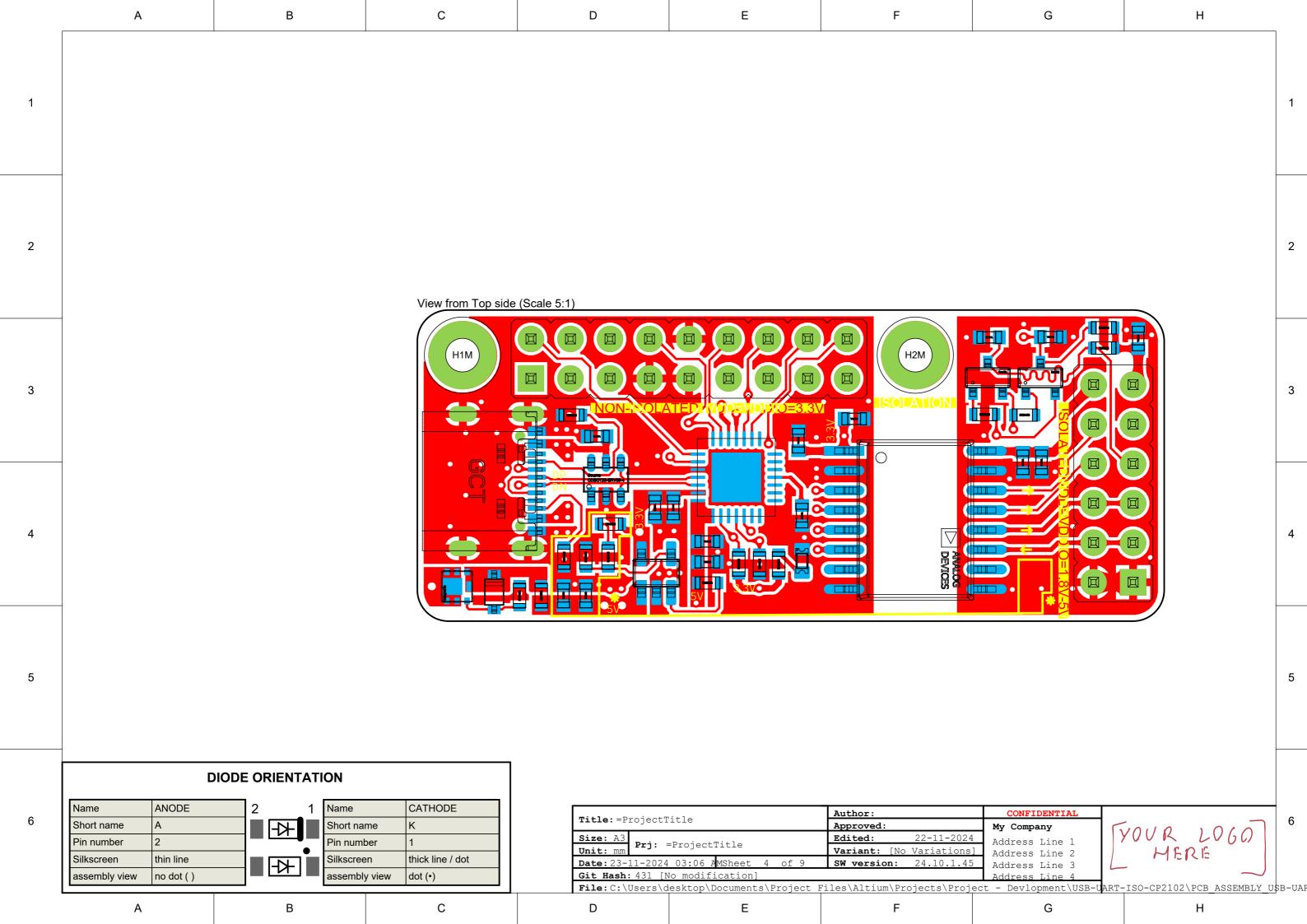


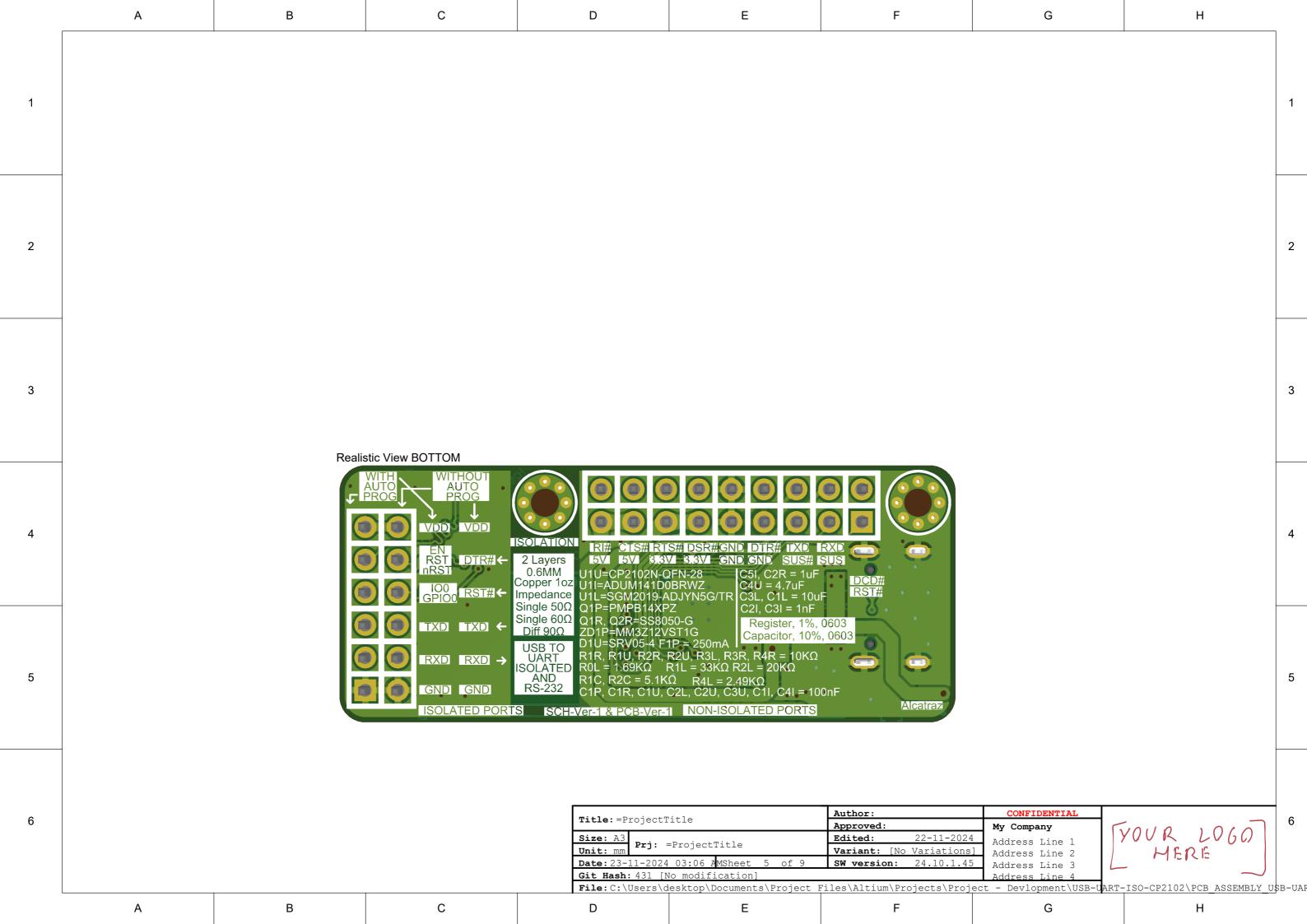


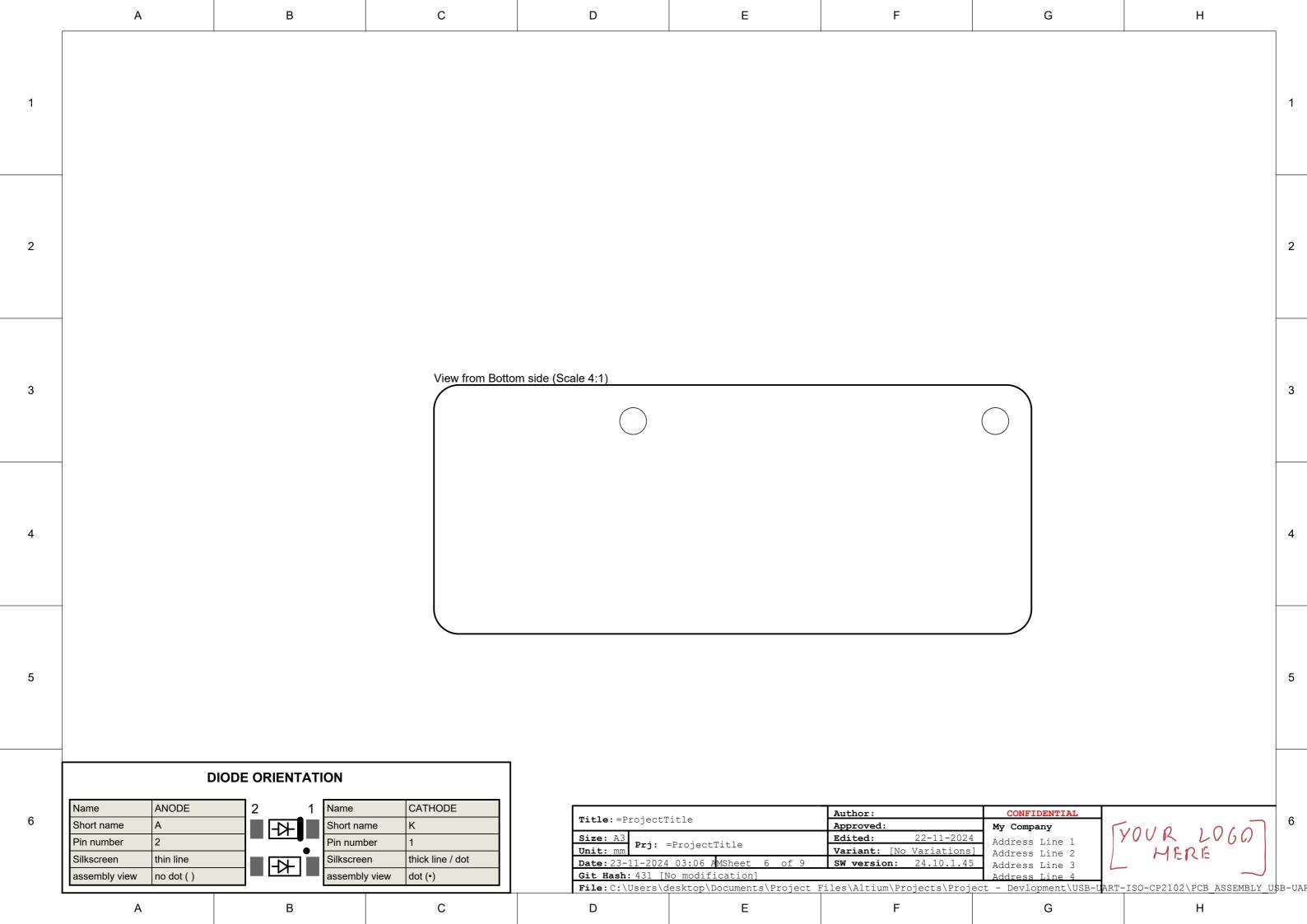


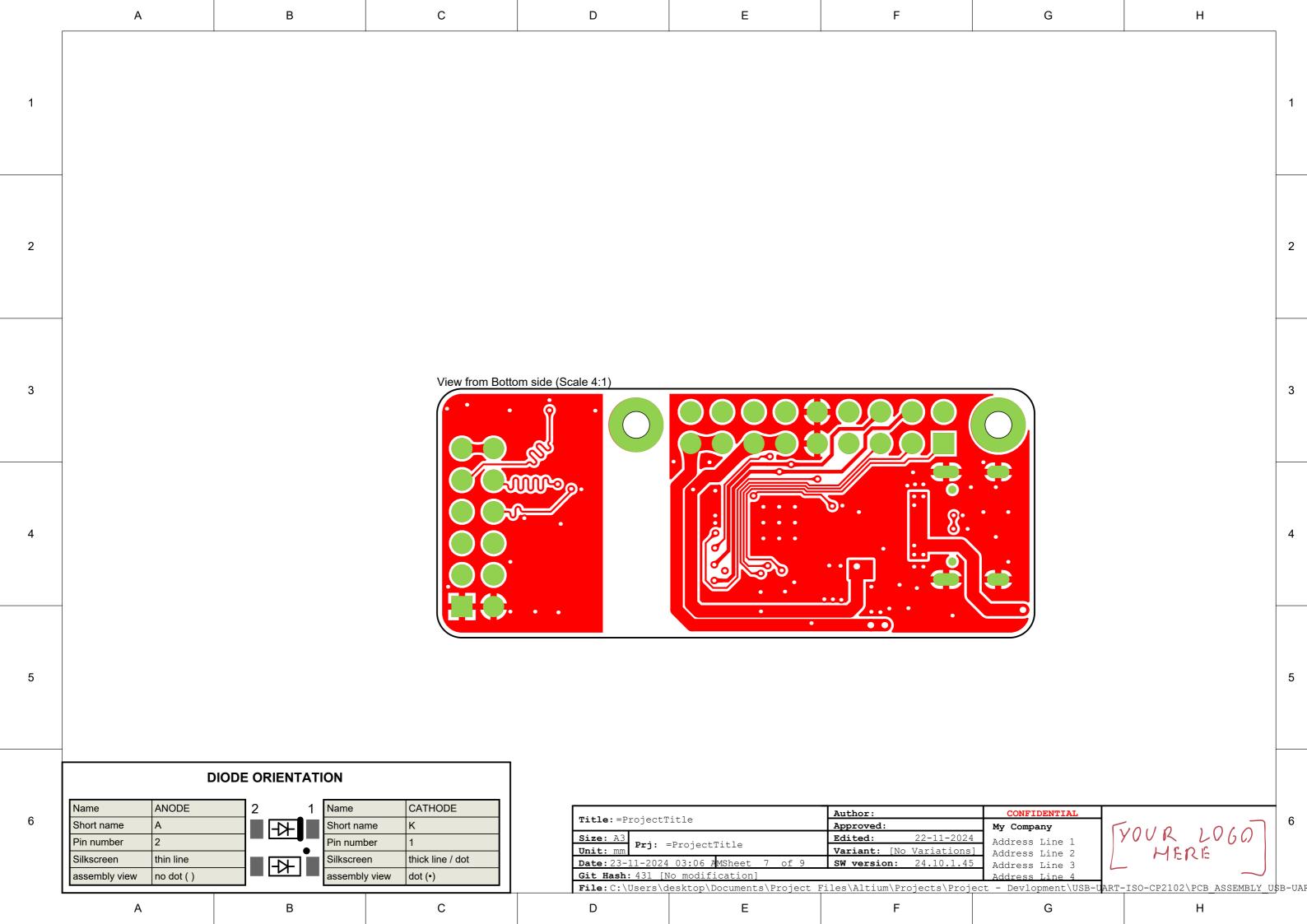


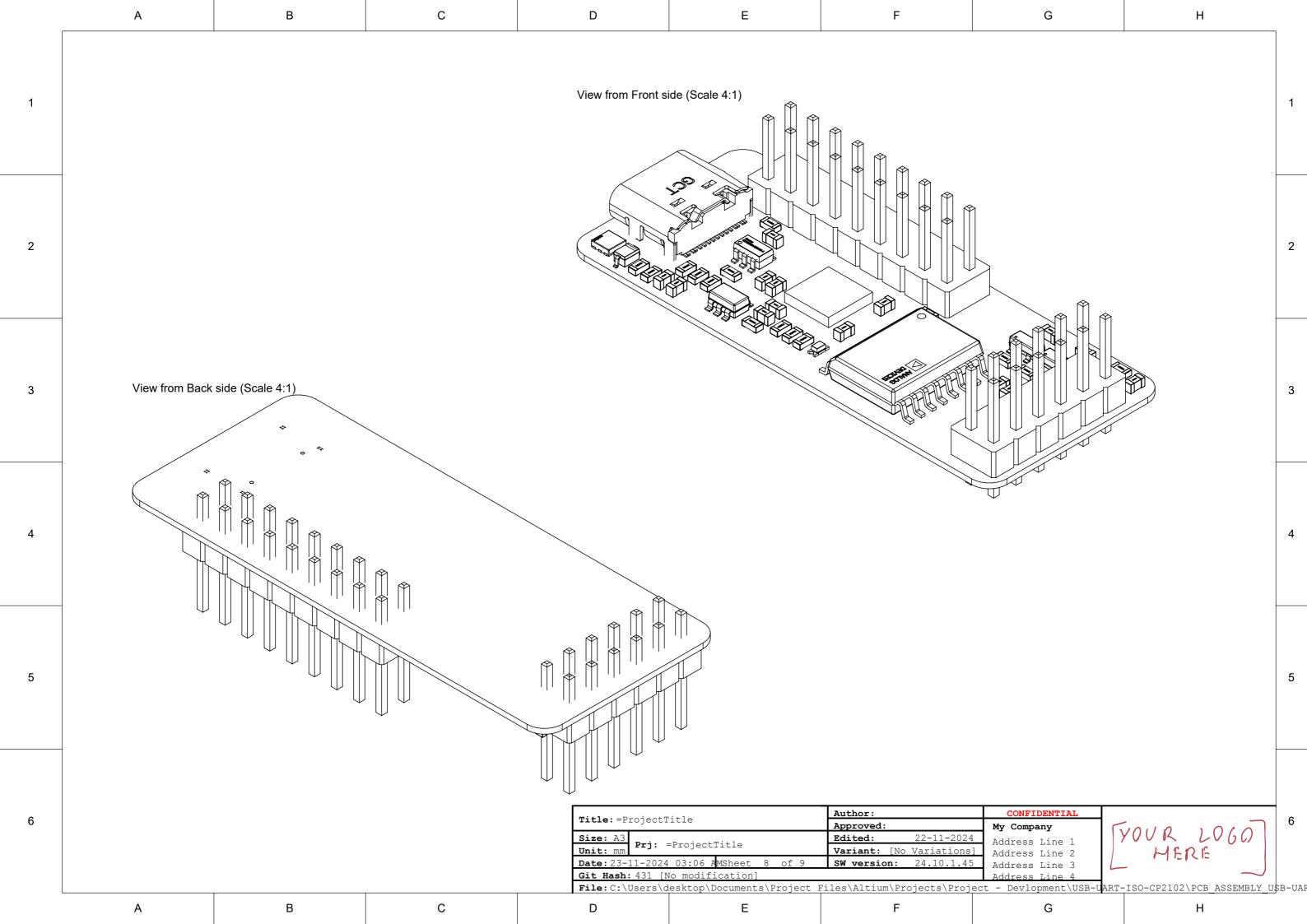












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1										1	
	Bill Of Ma	aterials					Manufacturer Part	2 ())		1	
2	Line #	Description Con Cor 0 41/5 6 33/ YZD 0603		Designator	Quantity	Number 1 KGM15AR70J104KM	Part Number	Layer	2		
		Cap Cer 0.1UF 6.3V X7R 0603 Multilayer Ceramic Capacitor, 10 uF, 10 V, ± 10%, X5R, 0603 [1608 Metric]		C1I, C1R, C3 C1L	U 3 1				-		
		Multilayer Ceramic Capacitor, 0.1 uF, 10 V, ± 10%, X7R, 0603 [1608 Metric]		C1P, C1U, C2L, C2	2U, C4I 5	C0603C104K8RAC786					
		Cap Ceramic 0.001uF 6.3V C0G 10% SMD 0603 125°C Paper T/R Ceramic Capacitor, Multilayer, Ceramic, 10V, 10% +Tol, 10% -Tol, X5R, 15% TC,		C2I C2R, C5I							
		1uF, 0603 Cap Ceramic 0.001uF 10V X7R 10% SMD 0603 125°C Paper T/R Multilayer Ceramic Capacitor, 10 uF, 6.3 V, ± 10%, X5R, 0603 [1608 Metric] Multilayer Ceramic Capacitor, 4.7 uF, 10 V, ± 10%, X5R, 0603 [1608 Metric] LED 0603 YELLOW SMD		C3I	1						
				C3L	1	CL10A106KQ8NNNC					
3				C4U D1L	1	CL10A475KP8NNNC			-		
			TVS DIODE 5V 15V SOT23-6		D1U	1				3	
		Fuse PPTC SMD 0603 USB Connector Type C SMT 16 Pin (Power pins joints = 12 pins)		F1P	1				3		
				J1C	1						
					J2C J3C	1				4	
		PMPB14XPZ			1	PMPB14XPZ			1		
		Trans Gp Bjt NPN 25V 1.5A 300MW 3-PIN SOT-23 T/r		Q1R, Q2R	R, Q2R 2 SS8050-G						
4		Surface Mount T	Surface Mount Thick Film Chip Resistor 0603 Case 1.69K Ohms 1% Tolerance 100 PPM SMD Chip Resistor, 5.1 kOhm, ± 1%, 100 mW, 0603 [1608 Metric], Thick Film, General Purpose Res Thick Film 0603 33K Ohm 1% 0.1W(1/10W) ±100ppm/C Pad SMD Automotive T/R SMD Chip Resistor, 100 kOhm, ± 1%, 100 mW, 0603 [1608 Metric], Thick Film, General Purpose		R0L	1	MCR03EZPFX1691				
					R1C, R2C	2	CRCW06035K10FKEA				
		Res Thick Film 0			R1L	1	ERJ-3EKF3302V			4	
					R1P	1	AC0603FR-07100KL				
		SMD Chip Resistor, 10 kOhm, ± 1%, 100 mW, 0603 [1608 Metric], Thick Film, General Purpose			R1R, R1U, R2R, R2U, R3	8L, R3R, R4R 7	RC0603FR-0710KL				
		SMD Chip Resistor, 20 kOhm, ± 1%, 100 mW, 0603 [1608 Metric], Thick Film, General Purpose		R2L	1	CR0603-FX-2002ELF			1		
5		Res Thick Film 0603 2.49K Ohm 1% 1/10W ±100ppm/°C Molded SMD SMD Paper T/R		R4L	R4L 1						
			DGTL ISO 3750VRMS 4CH GP 16SOIC LDO U-Reg Adj 0, 3A SOT23-5 Single-Chip USB to UART Bridge, 1024 Bytes EEPROM, -40 to 85 degC, 28-pin QFN, Tube		U1I	1					
		Single Chin LIC			U1L	1					
					U1U	1				5	
	MM3Z12V		T1G Zener Diode, 12V 2% 200 m Semiconductor MM3Z12		ZD1P	1					
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6											
	Please consider LCSC (立创商城) as our first supplier BOM FOR REFERENCE ONLY				Title: =ProjectTitle		Author:	CONFIDENTIAL			
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					<pre>Size: A3 Unit: mm Prj: =ProjectTitle Date: 23-11-2024 03:06 AMSheet 9 of 9</pre>			d: 22-11-2024 Address Line 1 Address Line 2	YOUR LOGO		
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