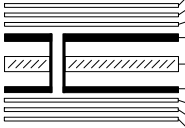


USB IO Extender Fabrication Document

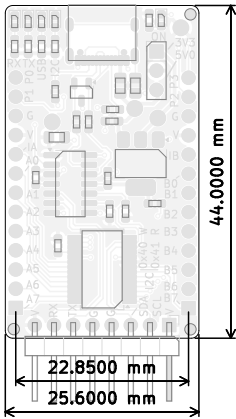
Top Fabrication (Scale 1:1)

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	F.Paste			Paste Mask	GBR
	F.Silkscreen			Legend	GBR
	F.Mask		Solder Resist	Solder Mask	GBR
Copper	L1 (Sig, PWR)	0.07mm (2oz)		Signal	GBR
Core		1.48mm	FR-4	Dielectric	
Copper	L2 (GND)	0.07mm (2oz)		Signal	GBR
	B.Mask		Solder Resist	Solder Mask	GBR
	B.Silkscreen			Legend	GBR
	B.Paste			Paste Mask	GBR
Total thickness: 1.62mm					
Note: external layer thicknesses are specified after plating.					

BOARD CHARACTERISTICS

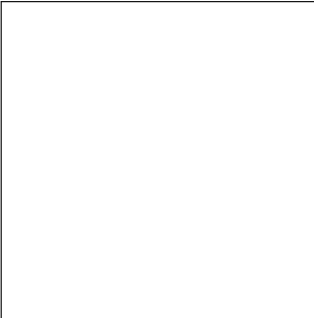
Copper Layer Count:	2	Board Thickness:	1.6600 mm
Board overall dimensions:	25.6000 mm x 44.0000 mm		
Min track/spacing:	0.2000 mm / 0.1500 mm	Min hole diameter:	0.2500 mm
Copper Finish:	Immersion gold	Impedance Control:	Yes
Castellated pads:	No	Plated Board Edge:	No
Edge card connectors:	No		



FABRICATION NOTES (UNLESS OTHERWISE SPECIFIED)

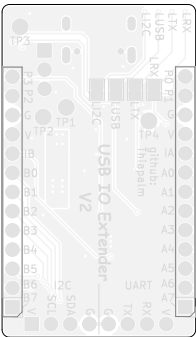
- 1) OUTLINE DEFINED IN SEPARATE GERBER FILE WITH "Edge\_Cuts.GBR" SUFFIX.  
DIMENSIONS OF CIRCUMSIZED RECTANGLE SHOWN ON THIS DWG FOR REF ONLY.
- 2) SEE SEPARATE DRILL FILES WITH ".DRL" SUFFIX FOR HOLE LOCATIONS.  
SELECTED HOLE LOCATIONS SHOWN ON THIS DWG FOR REF ONLY.
- 3) CONFIRM TRACE WIDTHS AND SPACINGS.
- 4) DESIGN GEOMETRY MINIMUM FEATURE SIZES:  
TRACE WIDTH 0.2 mm  
TRACE TO TRACE 0.2 mm  
MIN. HOLE (PTH) 0.25 mm  
MIN. HOLE (NPTH) 0.5 mm  
ANNULAR RING 0.15 mm  
COPPER TO HOLE 0.254 mm  
COPPER TO EDGE 0.3 mm  
HOLE TO HOLE 0.5 mm

All dimensions are in millimeters unless otherwise specified.

	Comments:	Company: thiago.palmieri@adastra.aleeas.com		Variant: No variant	
	Board2Pdf: FABRICATION_TOP - Page 1 of 1	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: FABRICATION_TOP		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

# USB IO Extender Fabrication Document

## Bottom Fabrication (Scale 1:1)

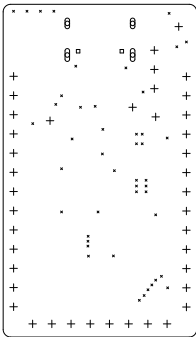


All dimensions are in millimeters unless otherwise specified.

	Comments:	Company: thiago.palmieri@adastra.aleeas.com		Variant: No variant	
	Board2Pdf: FABRICATION_BOT - Page 2 of 2	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: FABRICATION_BOT		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

# USB IO Extender Fabrication Document

## Drill Drawing (Top View) (Scale 1:1)



Drill Map:

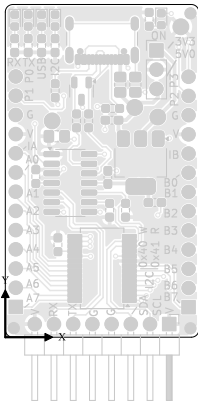
- 0.250mm / 0.0098" (46 holes)
- 0.600mm / 0.0236" (0 holes + 4 slots)
- + 1.000mm / 0.0394" (41 holes)
- 0.650mm / 0.0256" (2 holes) (not plated)

	Comments:	Company: thiago.palmieri@adastra.alecas.com		Variant: No variant	
	Board2Pdf: DRILL_DRAWING - Page 3	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: DRILL_DRAWING		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

# USB IO Extender Fabrication Document

## Top Test Points (Scale 1:1)

Ref.	Net	X [mm]	Y [mm]
TP?	???	???	???
TP?	???	???	???
TP?	???	???	???



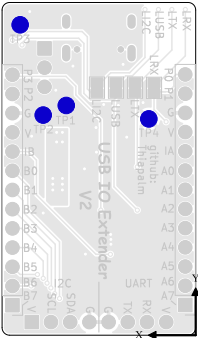
All dimensions are in millimeters unless otherwise specified.

	Comments:	Company: thiago.palmieri@adastra.aleeas.com		Variant: No variant	
	Board2Pdf: TESTPOINTS_TOP - Page 4	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: TESTPOINTS_TOP		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

# USB IO Extender Fabrication Document

## Bottom Test Points (Scale 1:1)

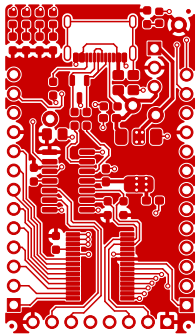
Ref.	Net	X [mm]	Y [mm]
TP1	+5V	17.118	30.382
TP2	+3V3	20.166	29.112
TP3	VDD	23.214	41.159
TP4	GND	6.196	28.604



All dimensions are in millimeters unless otherwise specified.

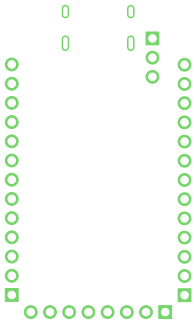
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	Board2Pdf: TESTPOINTS_BOT - Page 5	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: TESTPOINTS_BOT		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

# USB IO Extender Fabrication Document



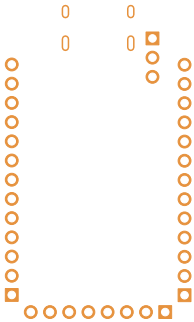
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	Board2Pdf: L1 - Page 6/11	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: L1		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

# USB IO Extender Fabrication Document



	Comments:	Company: thiago.palmieri@adastra.aleeas.com		Variant: No variant	
	Board2Pdf: L2 - Page 7/11	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: L2		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

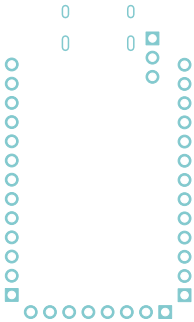
# USB IO Extender Fabrication Document



	Comments:	Company: thiago.palmieri@adastra.aleeas.com		Variant: No variant	
	Board2Pdf: L3 - Page 8/11	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
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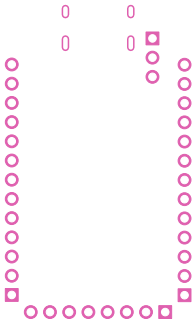


# USB IO Extender Fabrication Document



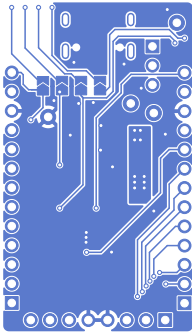
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	Board2Pdf: L4 - Page 9/11	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: L4		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

# USB IO Extender Fabrication Document



	Comments:	Company: thiago.palmieri@adastra.aleeas.com		Variant: No variant	
	Board2Pdf: L5 - Page 10/11	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: L5		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1

# USB IO Extender Fabrication Document



	Comments:	Company: thiago.palmieri@adastra.alecas.com		Variant: No variant	
	Board2Pdf: L6 - Page 11/11	Board Name: USB IO Extender		Project Name: USB IO Extender	
	Sheet Title: Fabrication Document	File Name: IOExtender.kicad_pcb	Designer: Thiago Palmieri	Date: 2024-04-13	Revision: 1.1
	Sheet Path: L6		Reviewer: Thiago Palmieri	Size: A4	Sheet: of 1