

A

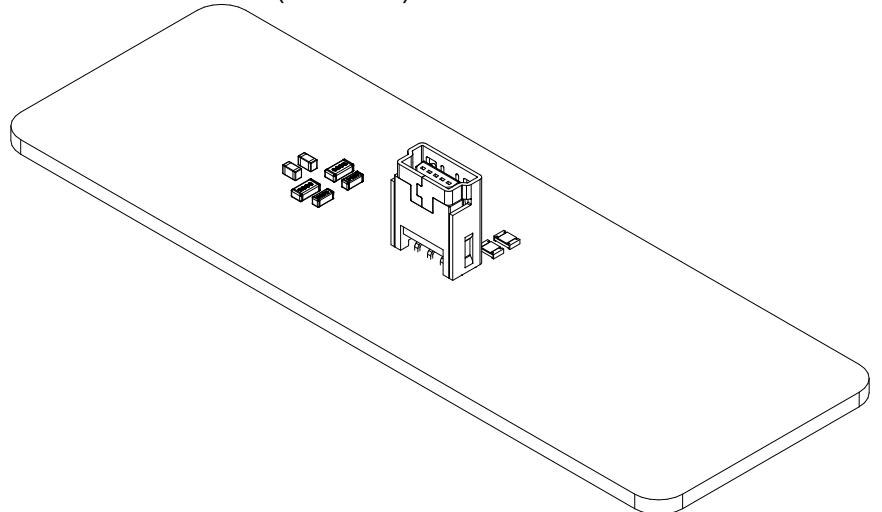
B

C

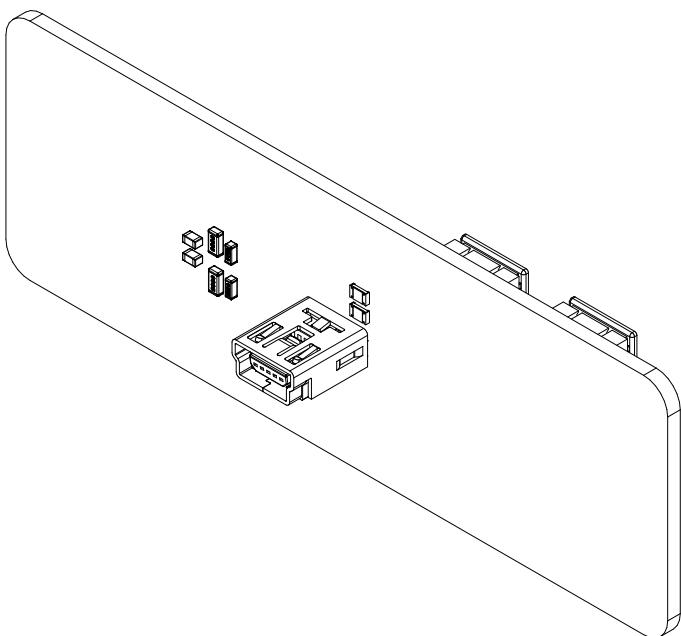
D

E

View from Front side (Scale 1.5)



View from Top side (Scale 1.5)



Interstage Interface Panel N°3 "Quad UART" Hardware:

- Designed by: Yan C. de Azeredo.
- Reviewers: Gabriel M. Marcelino and Andre M. P. Mattos.
- Support: Edemar M. Filho.

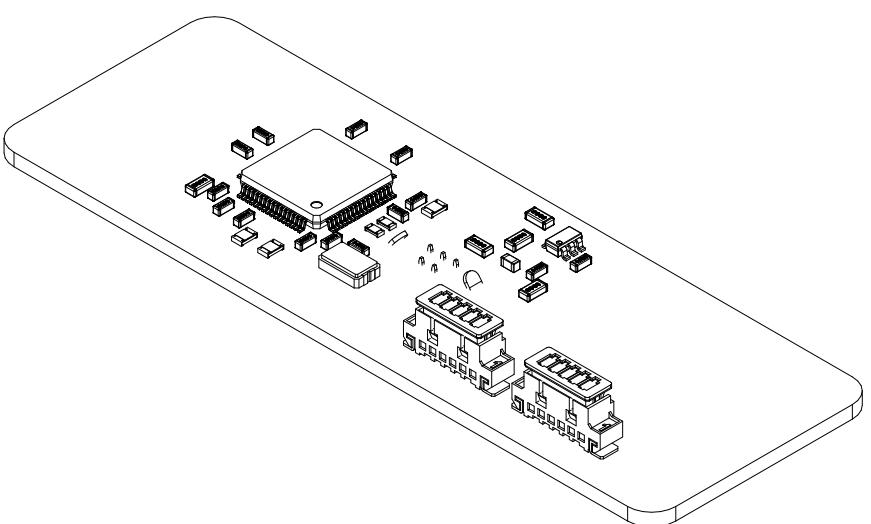
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Github repository: <https://github.com/spacelab-ufsc/interface-board>

More info about SpaceLab: <https://spacelab.ufsc.br/>

View from Back side (Scale 1.5)



SpaceLab - Federal University of Santa Catarina

Project: Interstage Interface Panel N°3

Title: Project info and board isometric views

Designed by: Yan Castro de Azeredo

Date: 11/29/2020 | Version: 1.0 | Sheet 1 of 3



Project code: IIPN3

Sheet size: A4

A

B

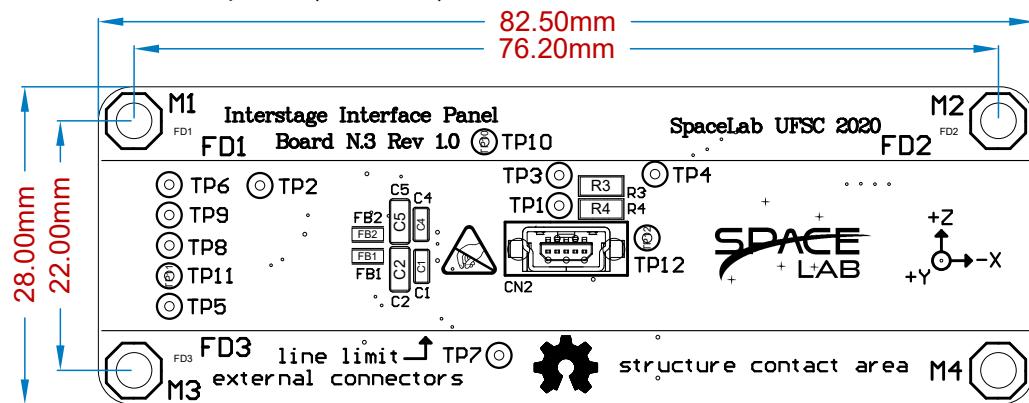
C

D

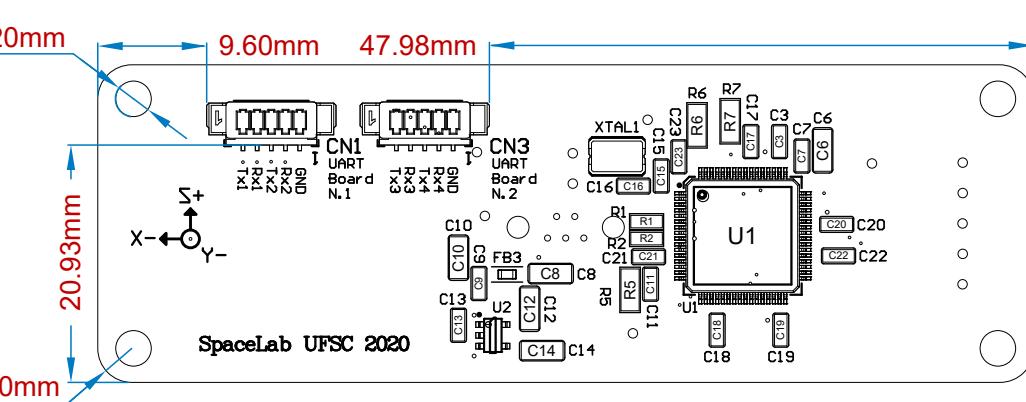
E

Displayed components within a red mesh box 
are not supposed to be soldered in the flight model of the board.

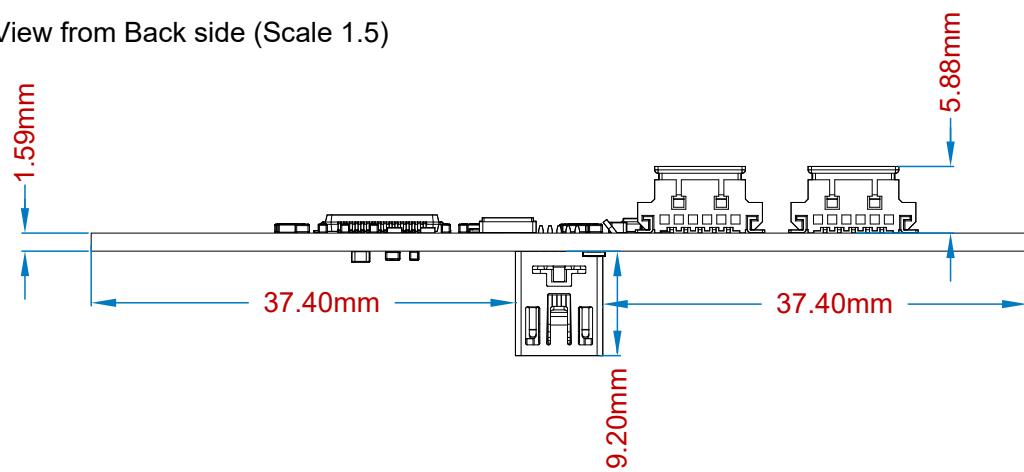
View from Top side (Scale 1.5)



View from Bottom side (Scale 1.5)



View from Back side (Scale 1.5)



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Project: Interstage Interface Panels N°3

Title: Assembly components and mechanical dimensions

Designed by: Yan Castro de Azeredo

Date: 11/29/2020 | Version: 1.0 | Sheet 2 of 3



Project code: IIPN3

Sheet size: A4

A

B

C

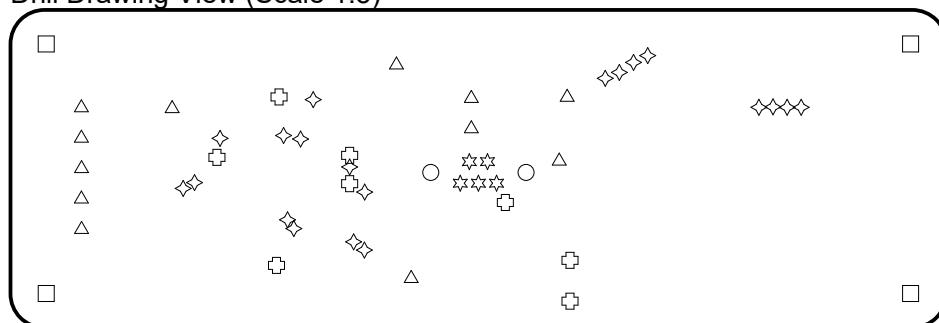
D

E

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
		1.50mm	FR-4	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.59mm					

Drill Drawing View (Scale 1.5)



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
◇	20	0.30mm	Plated	
⊕	8	0.40mm	Plated	
☆	5	0.60mm	Plated	
△	12	0.90mm	Plated	
○	2	2.00mm	Plated	
□	4	3.20mm	Plated	
51 Total				

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Project: Interstage Interface Panel N°3

Title: Layer stack and drill tables

Designed by: Yan Castro de Azeredo



Project code: IIPN3

Date: 11/29/2020 Version: 1.0 Sheet 3 of 3

Sheet size: A4