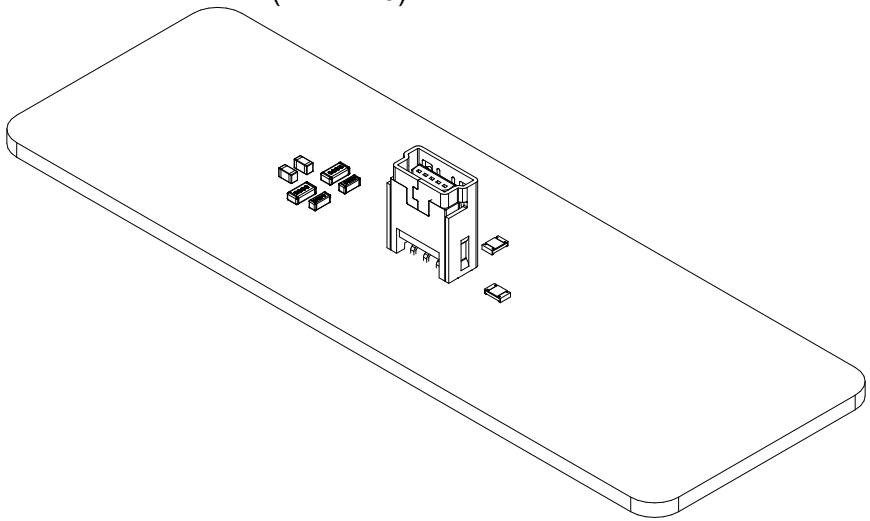
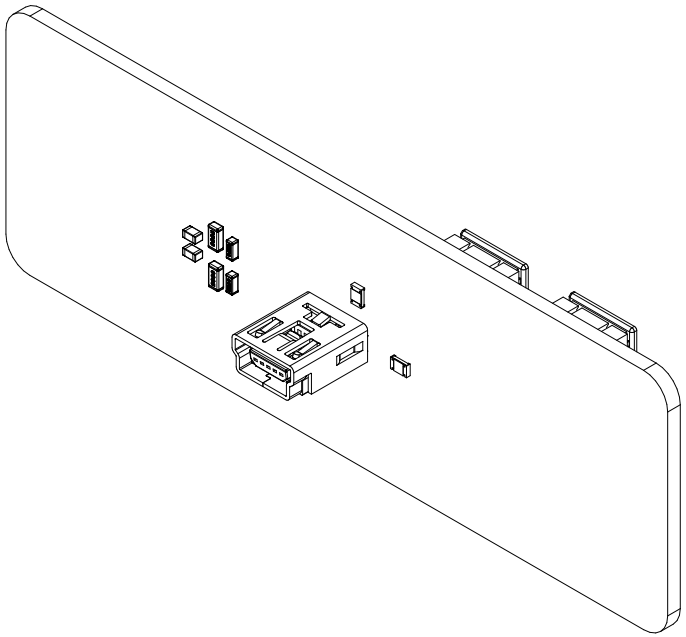
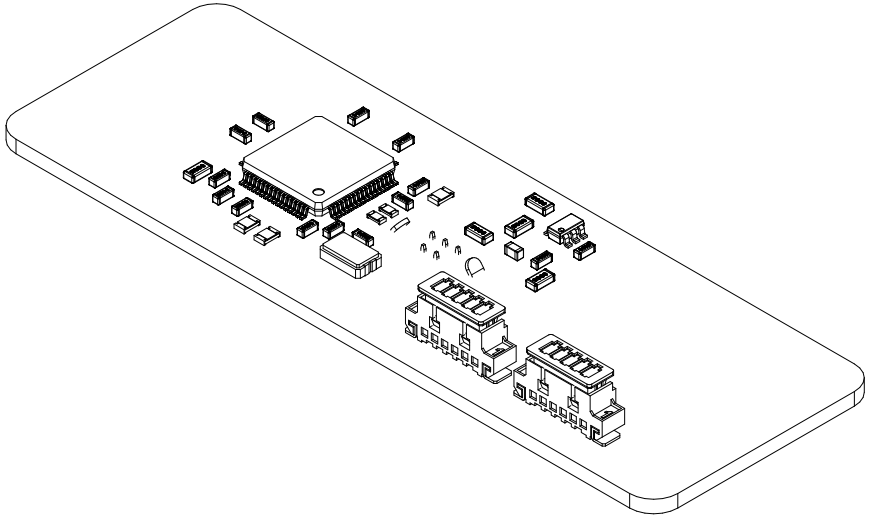
View from Front side (Scale 1.5)



View from Top side (Scale 1.5)





View from Back side (Scale 1.5)

Interstage Interface Panel Nº3 "Quad UART" Hardware:

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

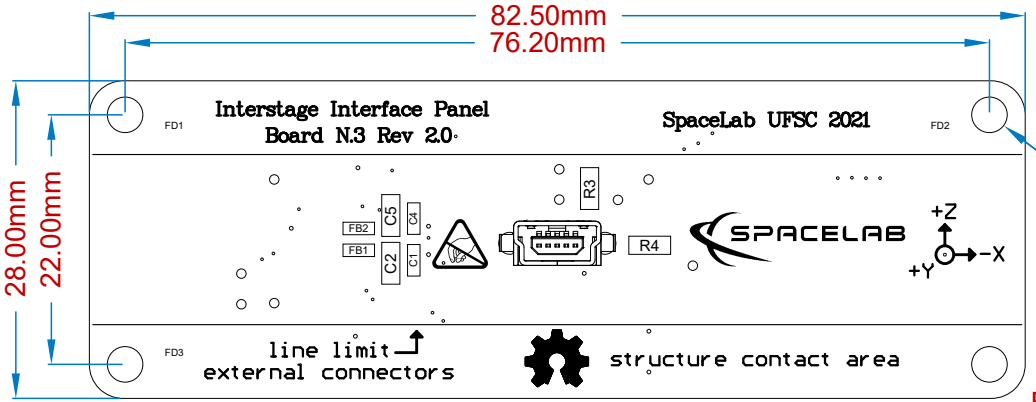
Github repository: https://github.com/spacelab-ufsc/interface-board

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

SpaceLab - Federal University of Santa Catarina			SPACELAB
Project: Interstage Interface Panel Nº3			
Title: Project info and board isometric views			
Designed by: Yan Castro de Azeredo			Project code: IIPN3
Date: 7/1/2021	Version: 2.0	Sheet 1 of 3	Sheet size: A4

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

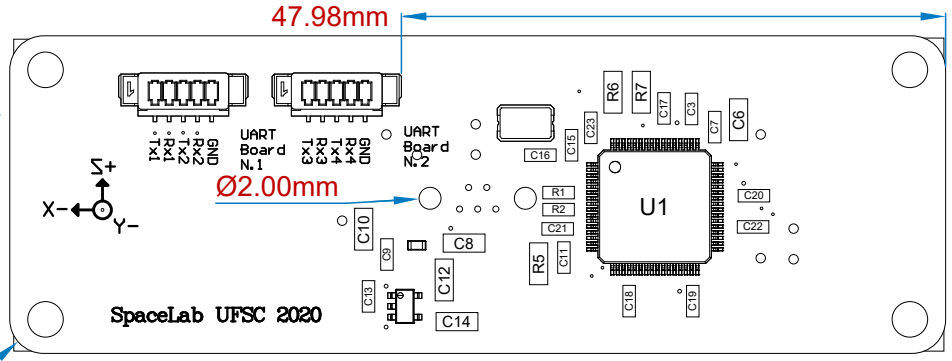
View from Top side (Scale 1.5)



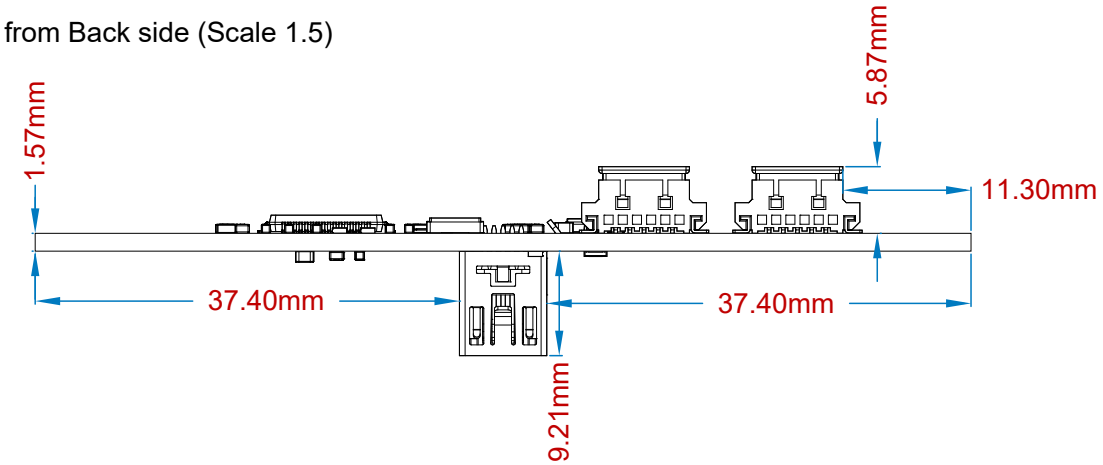
Ø3.20mm

R3.00mm

View from Bottom side (Scale 1.5)

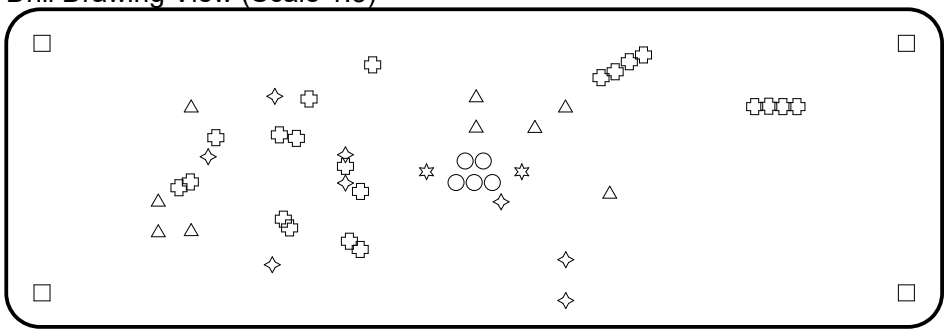


View from Back side (Scale 1.5)

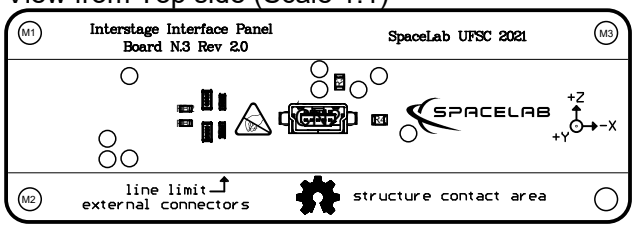


SpaceLab - Federal University of Santa Catarina			SPACELAB
Project: Interstage Interface Panels Nº3			
Title: Assembly components and mechanical dimensions			
Designed by: Yan Castro de Azeredo			Project code: IIPN3
Date: 7/1/2021	Version: 2.0	Sheet 2 of 3	Sheet size: A4

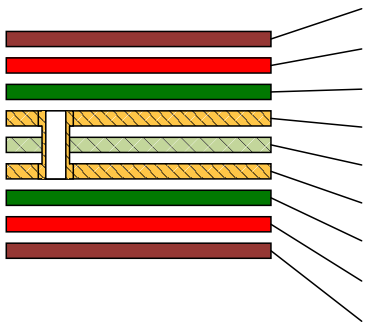
Drill Drawing View (Scale 1.5)



View from Top side (Scale 1:1)



Layer Stack Legend



Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Paste			Paste Mask	GTP
	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
	Bottom Paste			Paste Mask	GBP

Total thickness: 1.59mm

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
⌖	21	0.30mm	Plated	None
✧	8	0.40mm	Plated	None
○	5	0.60mm	Plated	None
△	9	0.90mm	Plated	None
✡	2	2.00mm	Plated	None
□	4	3.20mm	Plated	None
	49 Total			

SpaceLab - Federal University of Santa Catarina			
Project: Interstage Interface Panel Nº3			
Title: Layer stack and drill tables			
Designed by: Yan Castro de Azeredo			Project code: IIPN3
Date: 7/1/2021	Version: 2.0	Sheet 3 of 3	Sheet size: A4