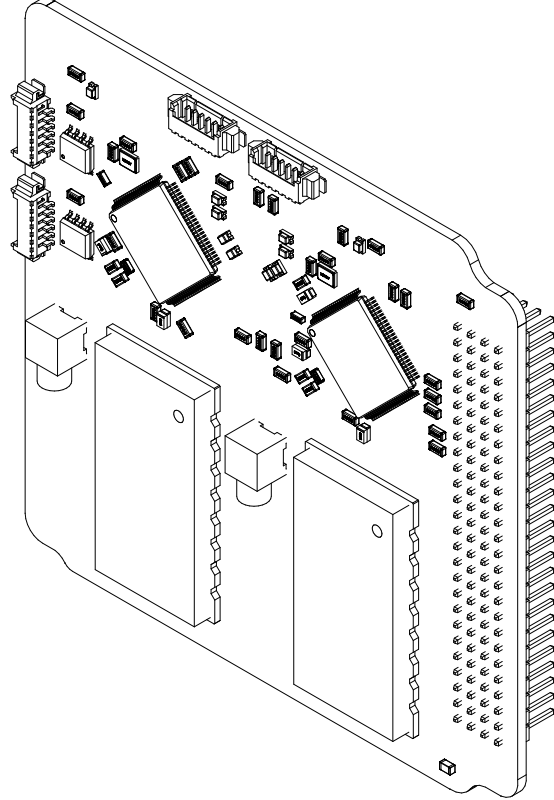
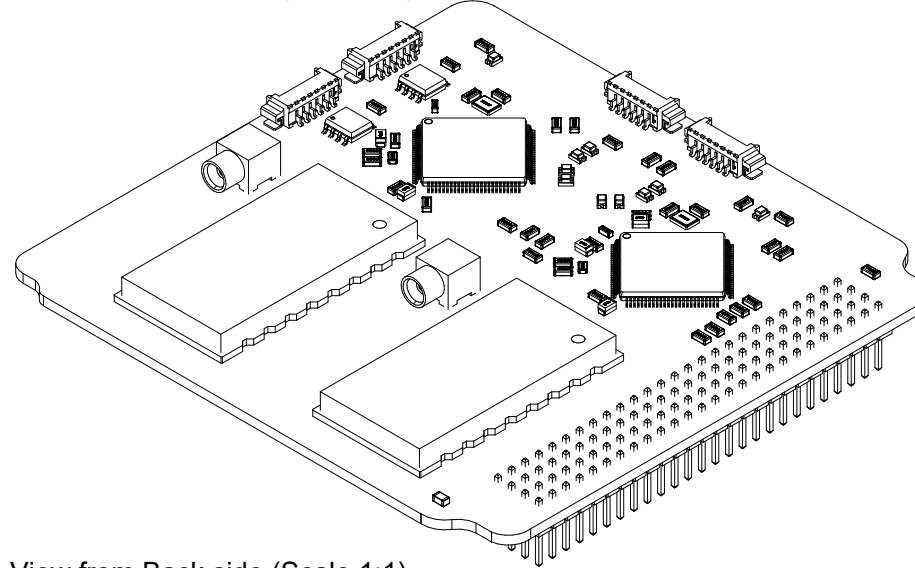


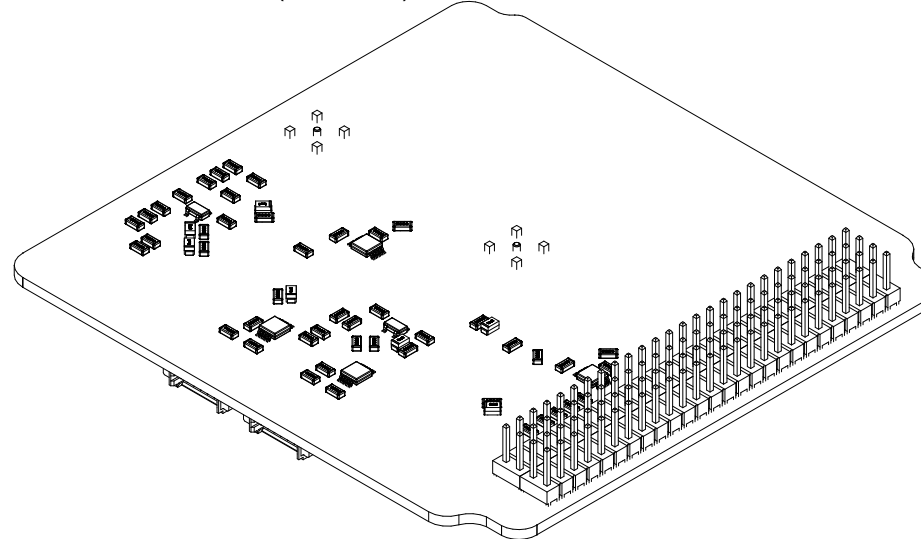
View from Top side (Scale 1:1)



View from Front side (Scale 1:1)



View from Back side (Scale 1:1)



#### TTC2 Hardware:


- Designed by: André M. P. Mattos
- Reviewers: Yan C. Azeredo
- Based on FloripaSat-I TTC designed by: Sara V. Martinez
- Support: Gabriel M. Marcelino

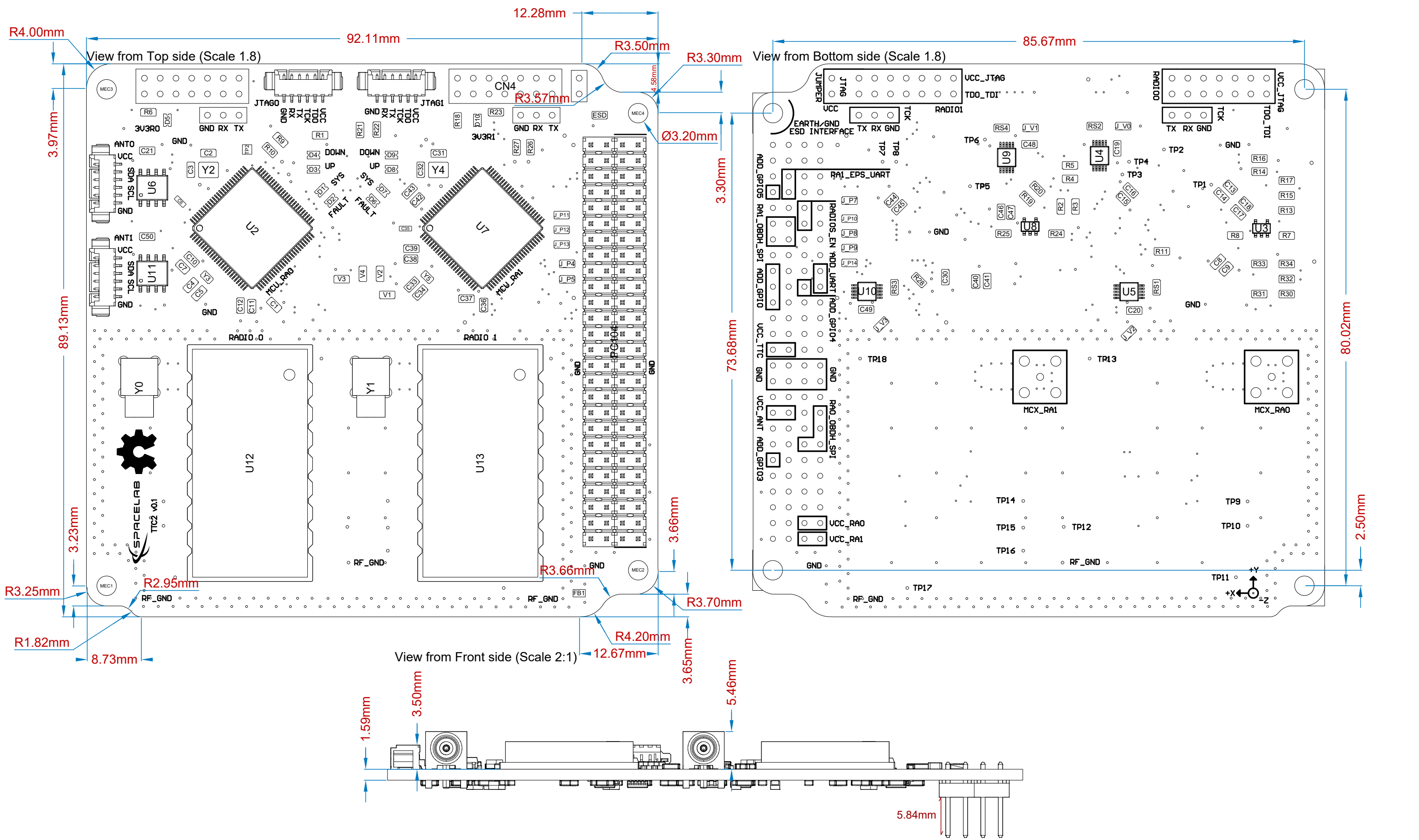
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Github repository: <https://github.com/spacelab-ufsc/ttc2>

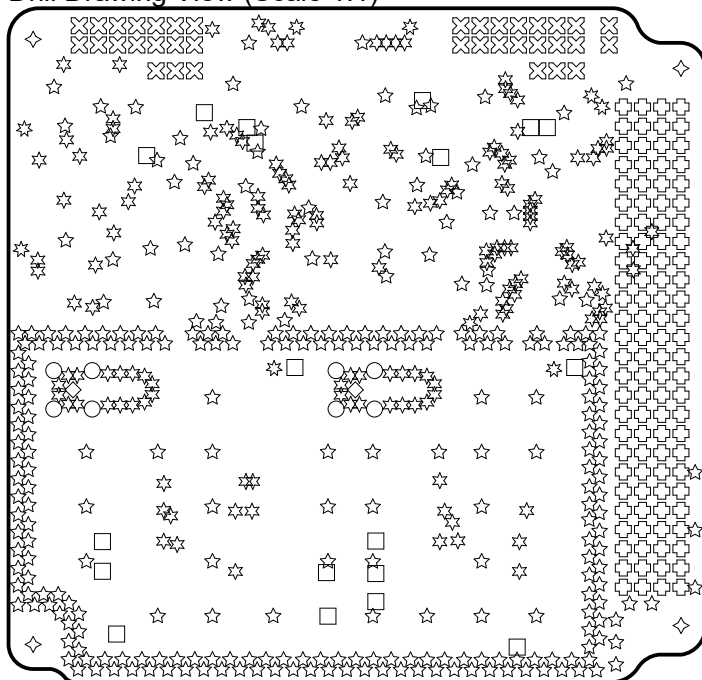
More info about SpaceLab: <https://spacelab.ufsc.br/>

SpaceLab - Federal University of Santa Catarina			
Project: Telemetry Tracking and Command 2.0			
Title: Project info and board isometric views			
Designed by: André M. P. Mattos			Project code: TTC2
Date: 5/4/2021	Version: v0.1	Sheet 1 of 3	Sheet size: A4

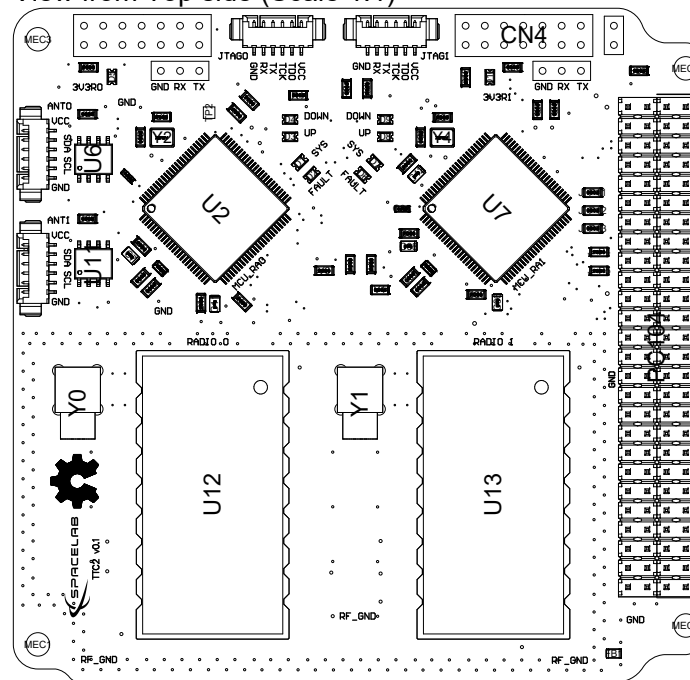


SpaceLab - Federal University of Santa Catarina			
Project: Telemetry Tracking and Command 2.0			
Title: Assembly components and mechanical dimensions			
Designed by: André M. P. Mattos			Project code: TTC2
Date: 5/4/2021	Version: v0.1	Sheet 2 of 3	Sheet size: A3

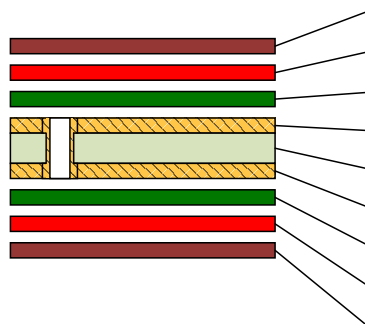
Drill Drawing View (Scale 1:1)



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
Core		1.52mm		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: 1.61mm

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
☆	181	0.30mm	Plated	None
☆	284	0.40mm	Plated	None
□	19	0.51mm	Plated	None
☆	10	0.60mm	Plated	None
⊕	104	0.90mm	Plated	None
⊗	36	1.00mm	Plated	None
◇	2	1.20mm	Plated	None
○	8	1.70mm	Plated	None
◇	4	3.20mm	Plated	None
	648 Total			

SpaceLab - Federal University of Santa Catarina

Project: Telemetry Tracking and Command 2.0

Title: Layer stack and drill tables

Designed by: André M. P. Mattos

Date: 5/4/2021

Version: v0.1

Sheet 3 of 3

Project code: TTC2

Sheet size: A4

