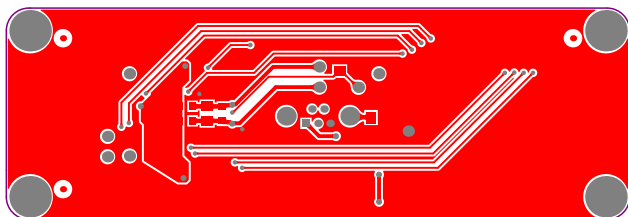


Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




Fabrication specifications:

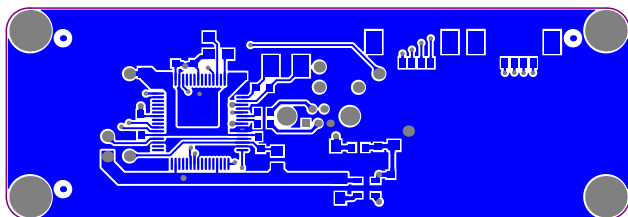
- Copper base: 1oz
- PCB Material: Prepeg FR4—Standard
- PCB Thickness: 1.6mm
- PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
- Soldermask Color: Green
- Vias: Force Complete Tenting
- Stack-up: Table herein included
- Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Top Layer Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




Fabrication specifications:

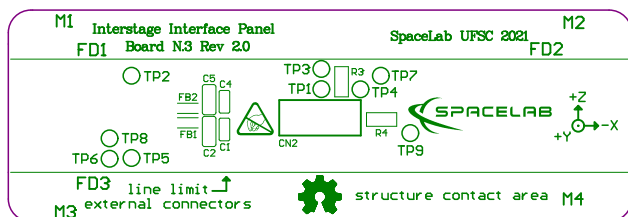
- Copper base: 1oz
- PCB Material: Prepeg FR4—Standard
- PCB Thickness: 1.6mm
- PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
- Soldermask Color: Green
- Vias: Force Complete Tenting
- Stack-up: Table herein included
- Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Bottom Layer Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




Fabrication specifications:

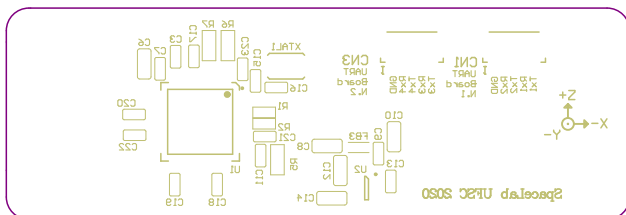
- Copper base: 1oz
- PCB Material: Prepeg FR4—Standard
- PCB Thickness: 1.6mm
- PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
- Soldermask Color: Green
- Vias: Force Complete Tenting
- Stack-up: Table herein included
- Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Top Overlay Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




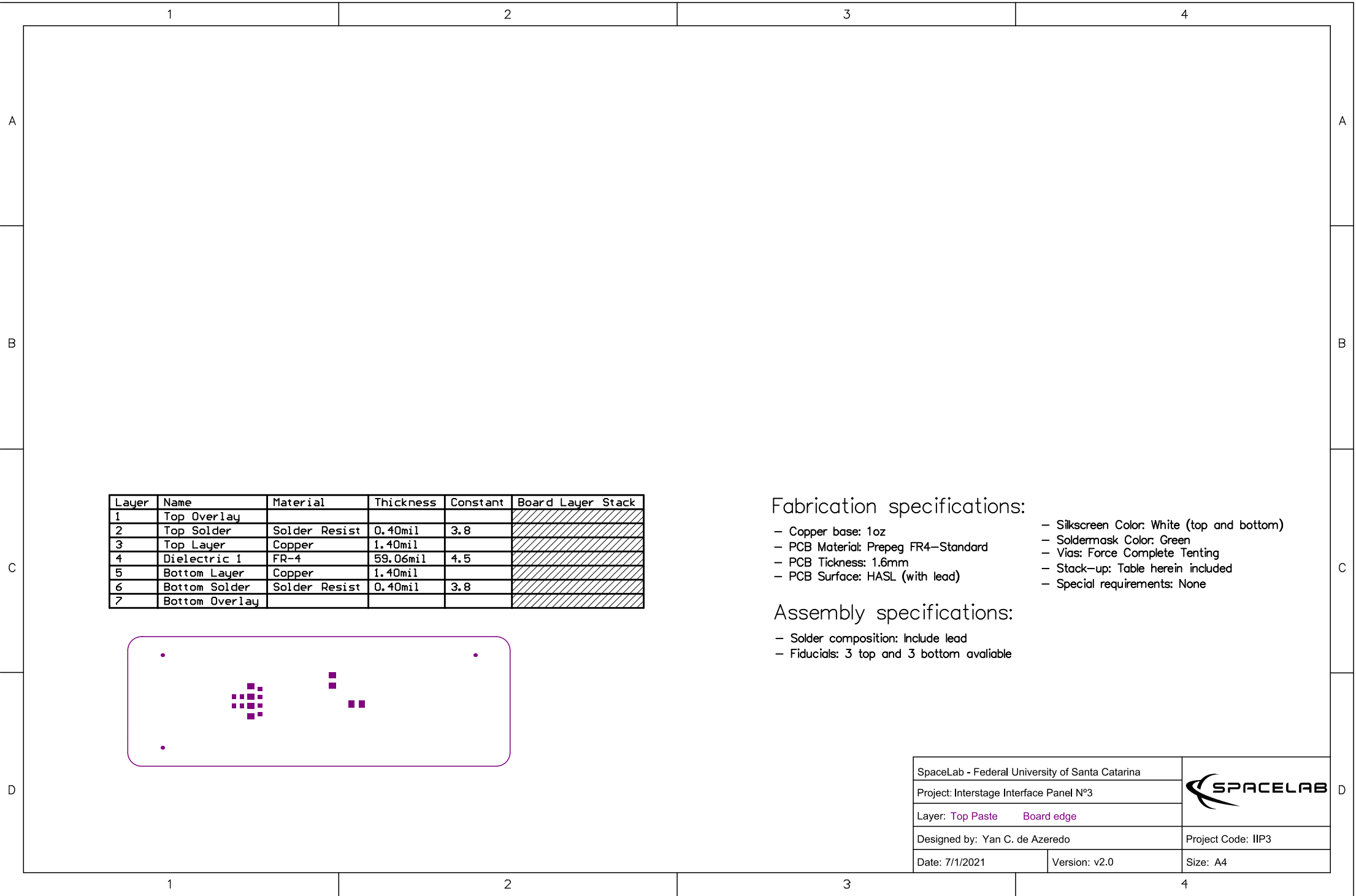
Fabrication specifications:

- Copper base: 1oz
- PCB Material: Prepeg FR4–Standard
- PCB Thickness: 1.6mm
- PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
- Soldermask Color: Green
- Vias: Force Complete Tenting
- Stack-up: Table herein included
- Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Bottom Overlay Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4




Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				

Fabrication specifications:

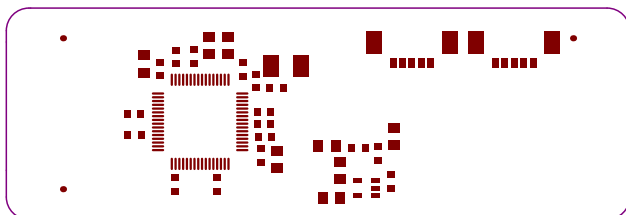
- Copper base: 1oz
 - PCB Material: Prepeg FR4—Standard
 - PCB Tickness: 1.6mm
 - PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
 - Soldermask Color: Green
 - Vias: Force Complete Tenting
 - Stack-up: Table herein included
 - Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Top Paste Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




Fabrication specifications:

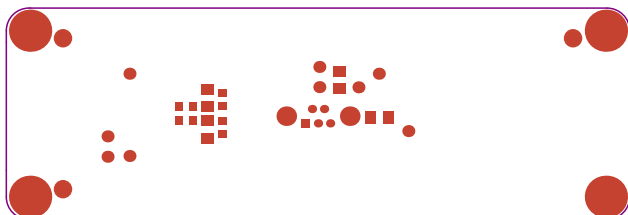
- Copper base: 1oz
- PCB Material: Prepeg FR4–Standard
- PCB Thickness: 1.6mm
- PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
- Soldermask Color: Green
- Vias: Force Complete Tenting
- Stack-up: Table herein included
- Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Bottom Paste Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




Fabrication specifications:

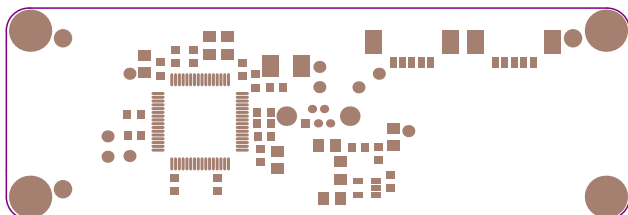
- Copper base: 1oz
- PCB Material: Prepeg FR4–Standard
- PCB Thickness: 1.6mm
- PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
- Soldermask Color: Green
- Vias: Force Complete Tenting
- Stack-up: Table herein included
- Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Top Solder Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




Fabrication specifications:

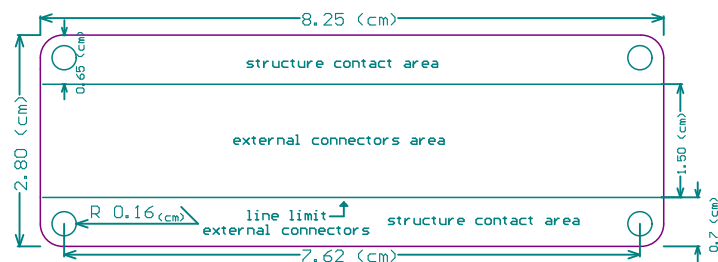
- Copper base: 1oz
- PCB Material: Prepeg FR4–Standard
- PCB Thickness: 1.6mm
- PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
- Soldermask Color: Green
- Vias: Force Complete Tenting
- Stack-up: Table herein included
- Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Bottom Solder Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




Fabrication specifications:

- Copper base: 1oz
- PCB Material: Prepeg FR4–Standard
- PCB Thickness: 1.6mm
- PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
- Soldermask Color: Green
- Vias: Force Complete Tenting
- Stack-up: Table herein included
- Special requirements: None

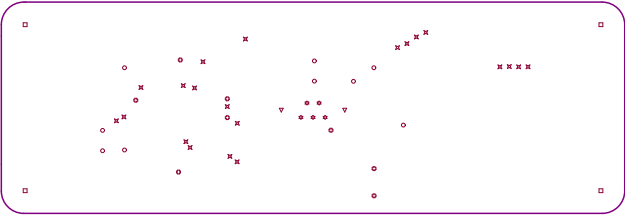
Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Dimensions Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template
✕	21	0.300mm <11.81mil>	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	<Mixed>
⊗	8	0.400mm <15.75mil>	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	v80h40m0mx0
⊛	5	0.600mm <23.62mil>	PTH	Round	Top Layer - Bottom Layer	Pad	<Mixed>	<Mixed>
○	9	0.900mm <35.43mil>	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c150h90
▽	2	2.000mm <78.74mil>	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c250h200
□	4	3.200mm <125.98mil>	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c550h320
49 Total								

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				[Hatched Pattern]
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		[Hatched Pattern]
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		[Hatched Pattern]
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				[Hatched Pattern]




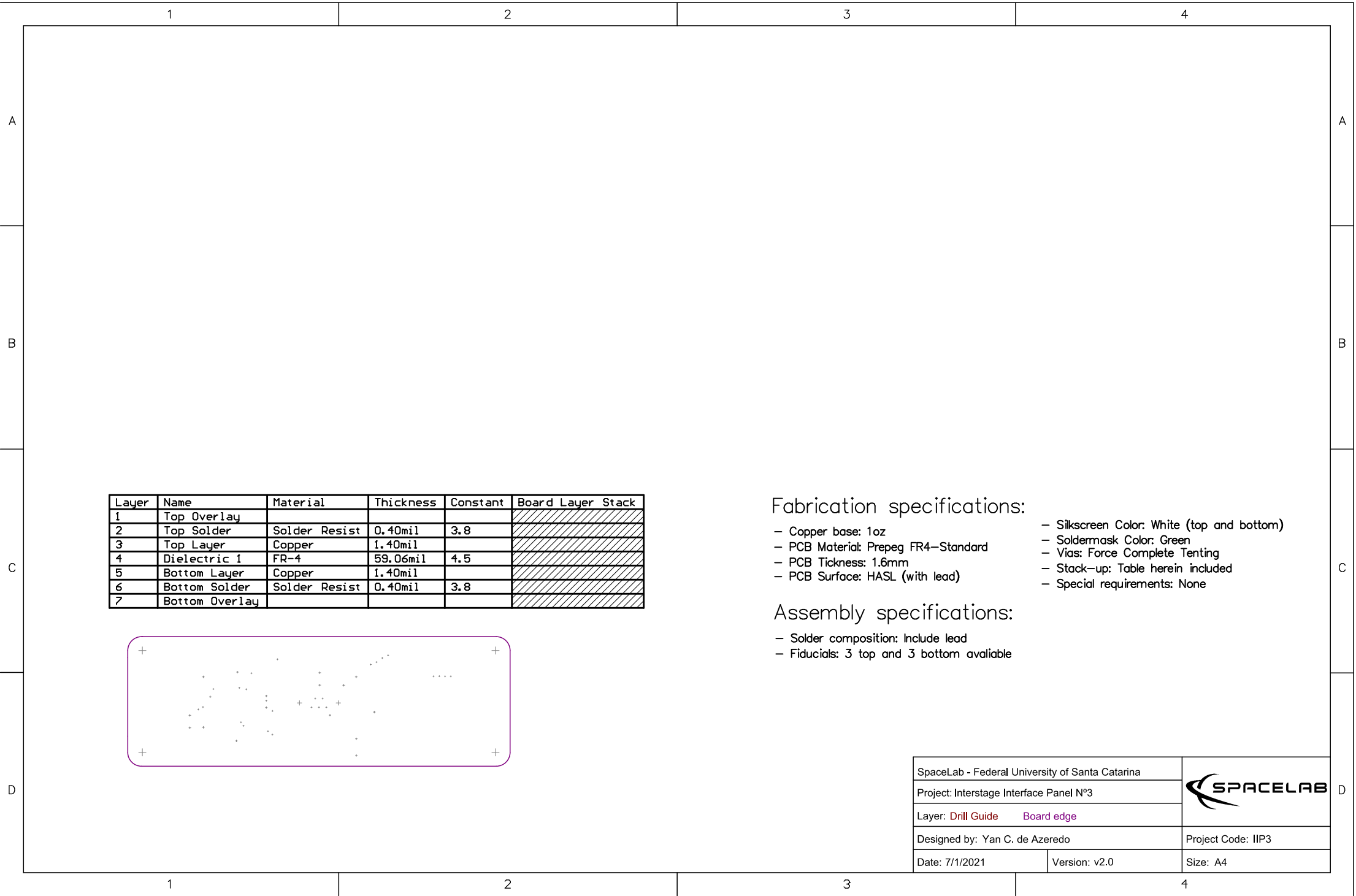
Fabrication specifications:

- Copper base: 1oz
 - PCB Material: Prepeg FR4—Standard
 - PCB Tickness: 1.6mm
 - PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
 - Soldermask Color: Green
 - Vias: Force Complete Tenting
 - Stack-up: Table herein included
 - Special requirements: None

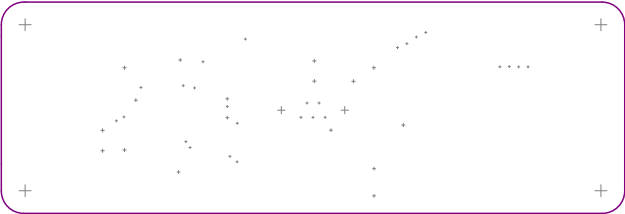
Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Drill Drawing Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4



Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.8	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	59.06mil	4.5	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.8	
7	Bottom Overlay				




Fabrication specifications:

- Copper base: 1oz
 - PCB Material: Prepeg FR4—Standard
 - PCB Tickness: 1.6mm
 - PCB Surface: HASL (with lead)
- Silkscreen Color: White (top and bottom)
 - Soldermask Color: Green
 - Vias: Force Complete Tenting
 - Stack-up: Table herein included
 - Special requirements: None

Assembly specifications:

- Solder composition: Include lead
- Fiducials: 3 top and 3 bottom available

SpaceLab - Federal University of Santa Catarina		
Project: Interstage Interface Panel N°3		
Layer: Drill Guide Board edge		
Designed by: Yan C. de Azeredo		Project Code: IIP3
Date: 7/1/2021	Version: v2.0	Size: A4