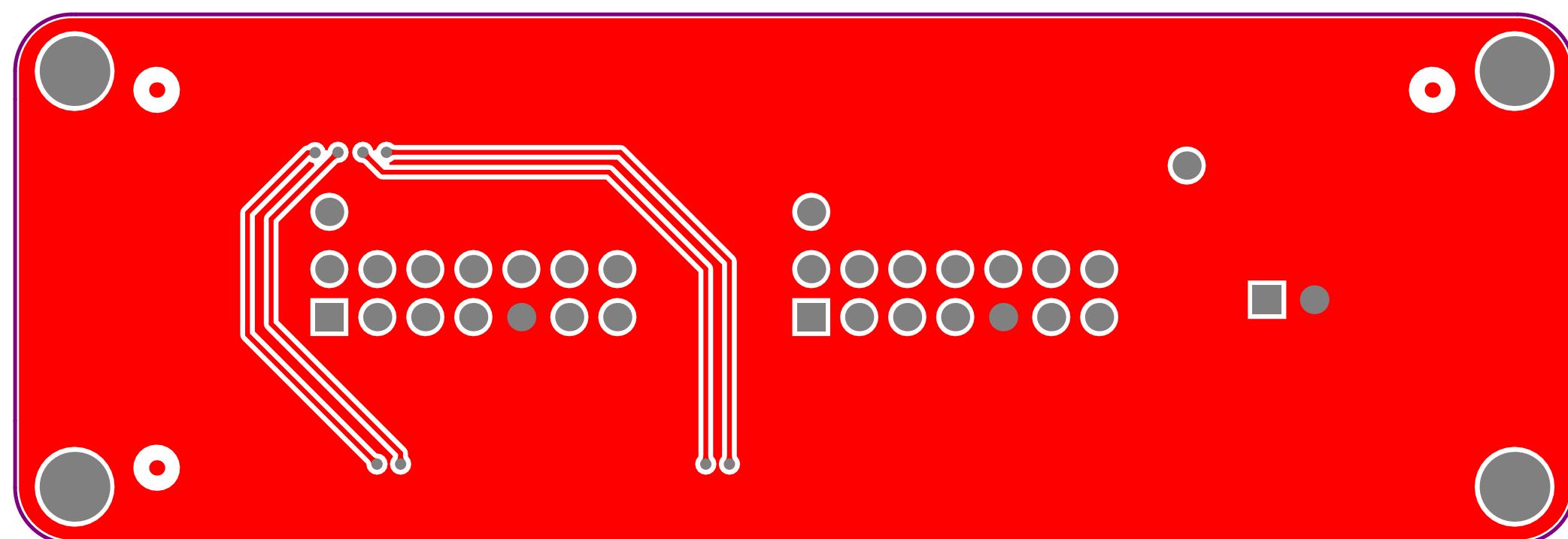
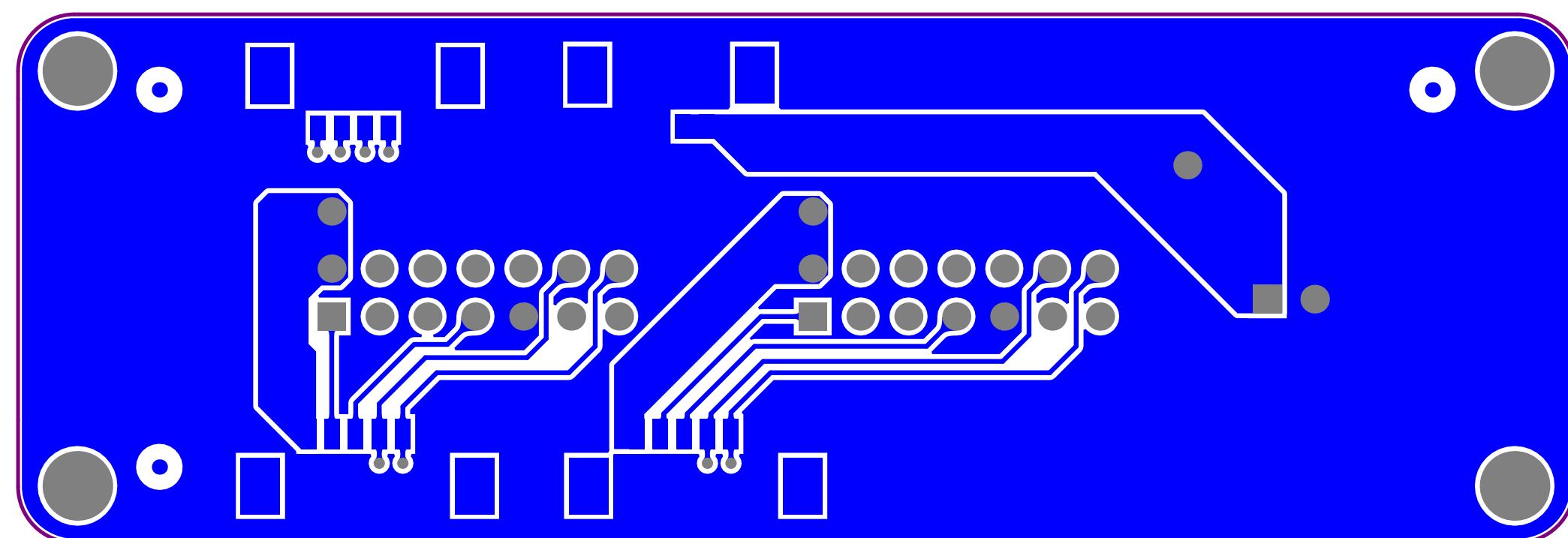


Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.035mm		
	Dielectric 1	FR-4	1.500mm	4.2	
2	Bottom Layer	Copper	0.035mm		
	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



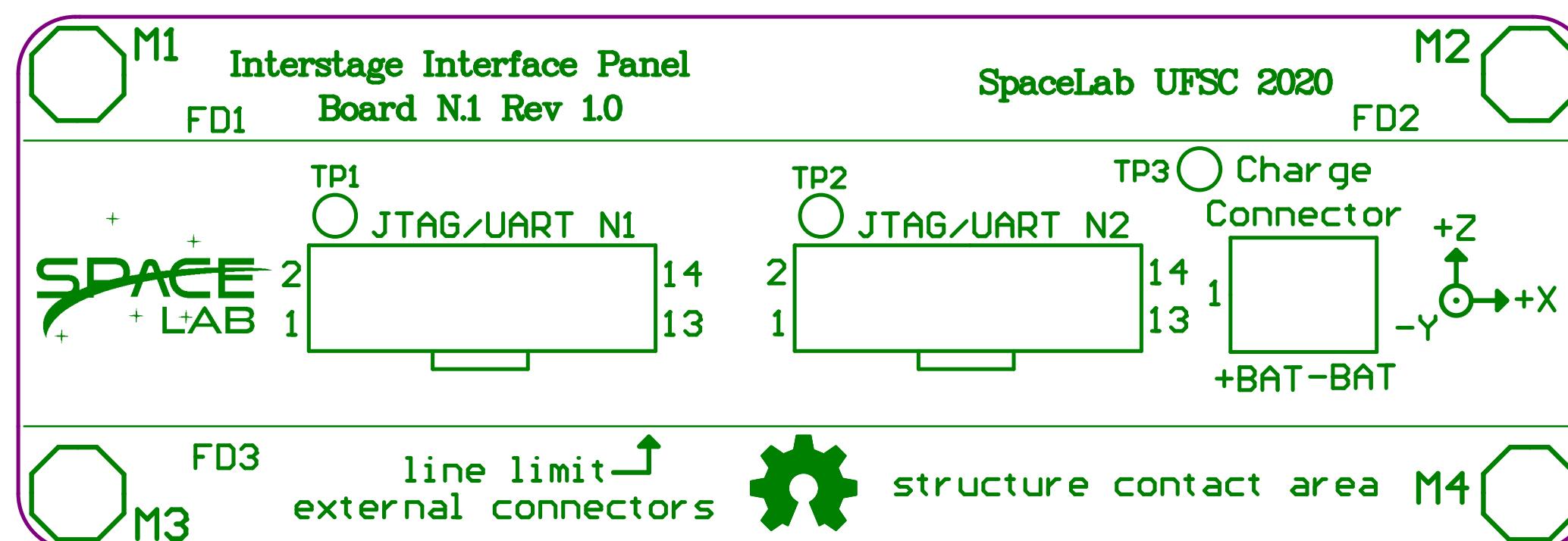
<b>TITLE:</b> IIP N.1 BOARD CHARGE		<b>REV:</b> 1.0	<b>DATE:</b> 01/07/2020
<b>MATERIAL:</b> FR4		<b>Silkscreen color:</b> white	<b>Project:</b> IIP
<b>Board Thickness:</b> 1.6mm		<b>Layers:</b> 02	Space Technology Research Laboratory Federal University of Santa Catarina
<b>PCB Surface:</b> HASL		<b>Drawing:</b> Yan C. de Azeredo	<b>SpaceLab UFSC</b>

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.035mm		
	Dielectric 1	FR-4	1.500mm	4.2	
2	Bottom Layer	Copper	0.035mm		
	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



<b>TITLE:</b> IIP N.1 BOARD CHARGE		<b>REV:</b> 1.0	<b>DATE:</b> 01/07/2020
<b>MATERIAL:</b> FR4		<b>Silkscreen color:</b> white	<b>Project:</b> IIP
<b>Board Thickness:</b> 1.6mm		<b>Layers:</b> 02	Space Technology Research Laboratory Federal University of Santa Catarina SpaceLab UFSC
<b>PCB Surface:</b> HASL		<b>Drawing:</b> Yan C. de Azeredo	

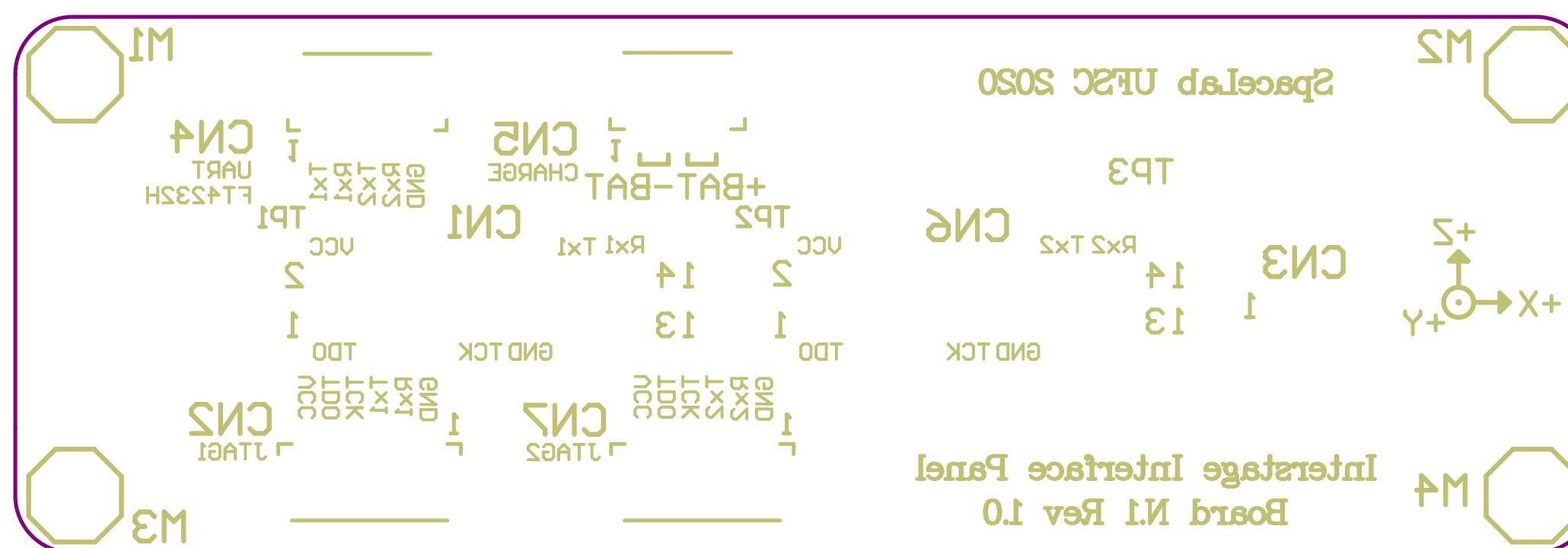
Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.035mm		
	Dielectric 1	FR-4	1.500mm	4.2	
2	Bottom Layer	Copper	0.035mm		
	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



<b>TITLE:</b> IIP N.1 BOARD CHARGE		<b>REV:</b> 1.0	<b>DATE:</b> 01/07/2020
<b>MATERIAL:</b> FR4		<b>Silkscreen color:</b> white	
<b>Board Thickness:</b> 1.6mm		<b>Layers:</b> 02	
<b>PCB Surface:</b> HASL		<b>Drawing:</b> Yan C. de Azeredo	

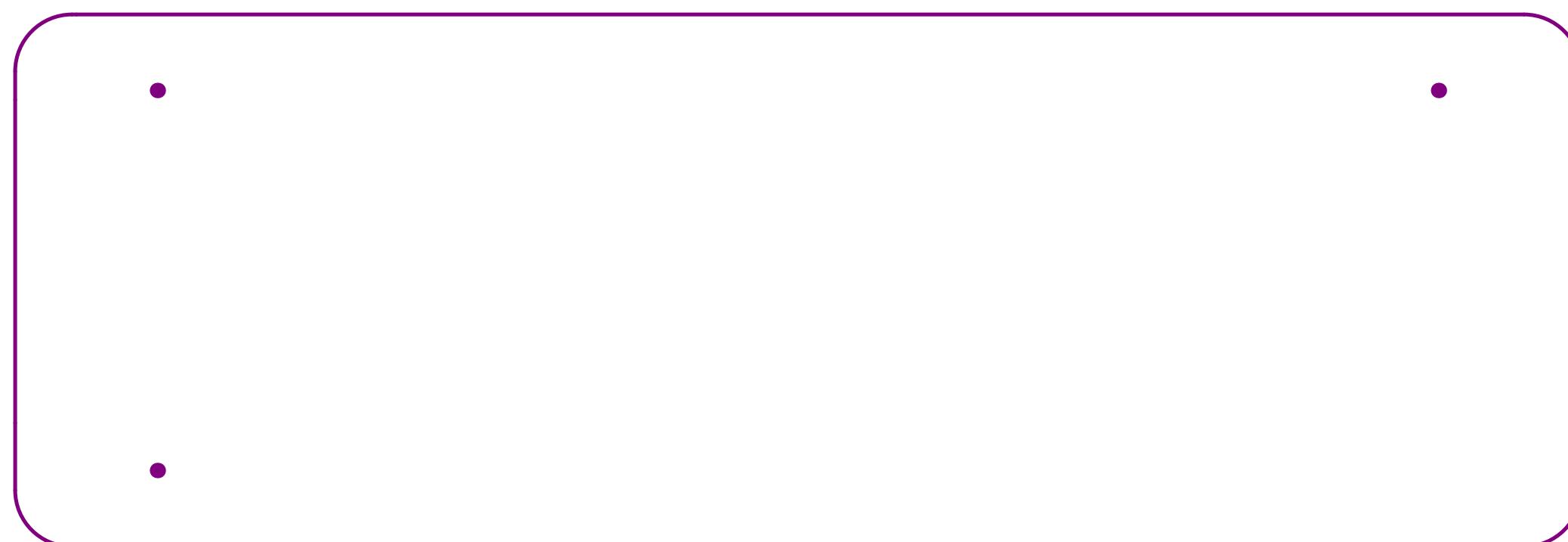
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SpaceLab UFSC

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.035mm		
	Dielectric 1	FR-4	1.500mm	4.2	
2	Bottom Layer	Copper	0.035mm		
	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



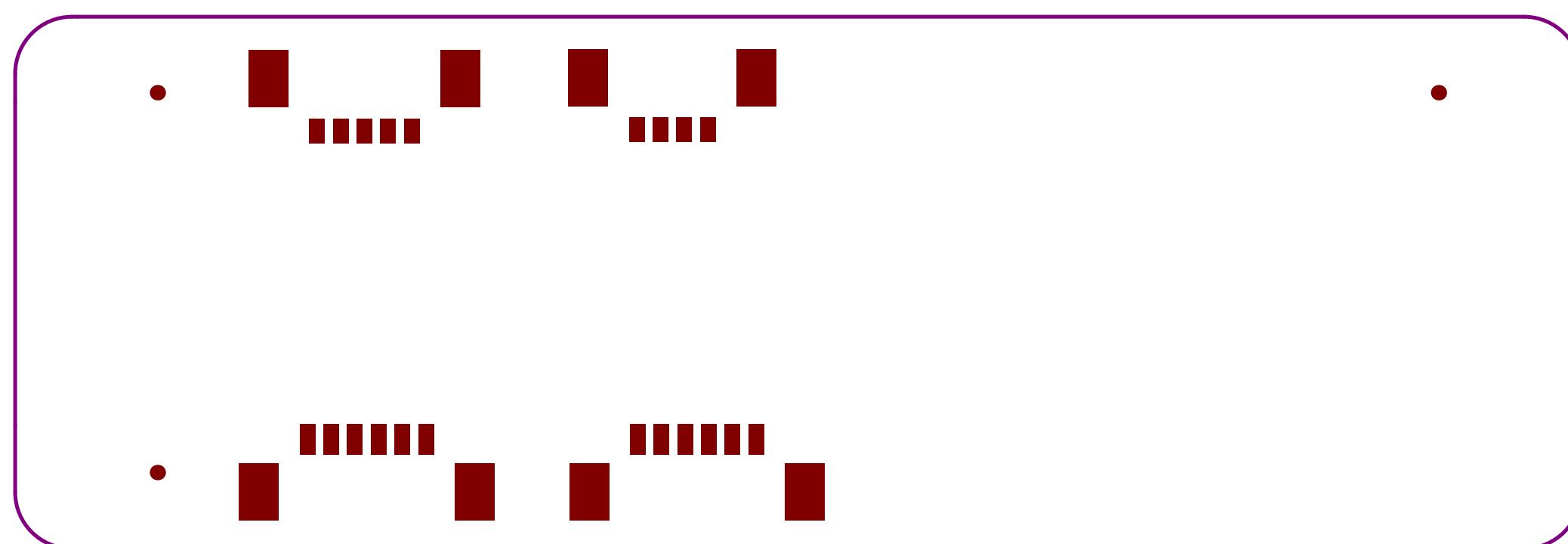
<b>TITLE: IIP N.1 BOARD CHARGE</b>		<b>REV: 1.0</b>	<b>DATE: 01/07/2020</b>
<b>MATERIAL: FR4</b>	<b>Silkscreen color: white</b>	<b>Project: IIP</b>	
<b>Board Thickness: 1.6mm</b>	<b>Layers: 02</b>	Space Technology Research Laboratory Federal University of Santa Catarina <b>SpaceLab UFSC</b>	
<b>PCB Surface: HASL</b>	<b>Drawing: Yan C. de Azeredo</b>		

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
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	Bottom Overlay				



<b>TITLE: IIP N.1 BOARD CHARGE</b>		<b>REV: 1.0</b>	<b>DATE: 01/07/2020</b>
<b>MATERIAL: FR4</b>		<b>Silkscreen color: white</b>	<b>Project: IIP</b>
<b>Board Thickness: 1.6mm</b>		<b>Layers: 02</b>	Space Technology Research Laboratory Federal University of Santa Catarina <b>SpaceLab UFSC</b>
<b>PCB Surface: HASL</b>		<b>Drawing: Yan C. de Azeredo</b>	

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.035mm		
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	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



**TITLE: IIP N.1 BOARD CHARGE**

**REV: 1.0**

**DATE: 01/07/2020**

**MATERIAL: FR4**

**Silkscreen color: white**

**Project: IIP**

**Board Thickness: 1.6mm**

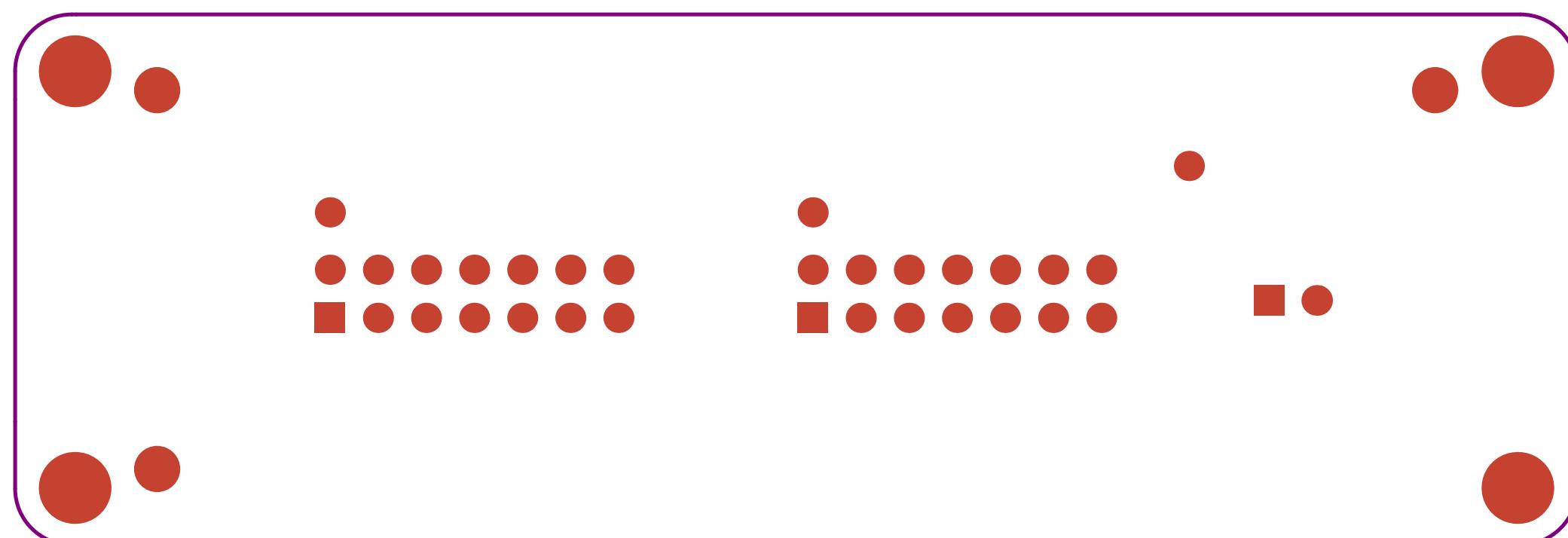
**Layers: 02**

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SpaceLab UFSC**

**PCB Surface: HASL**

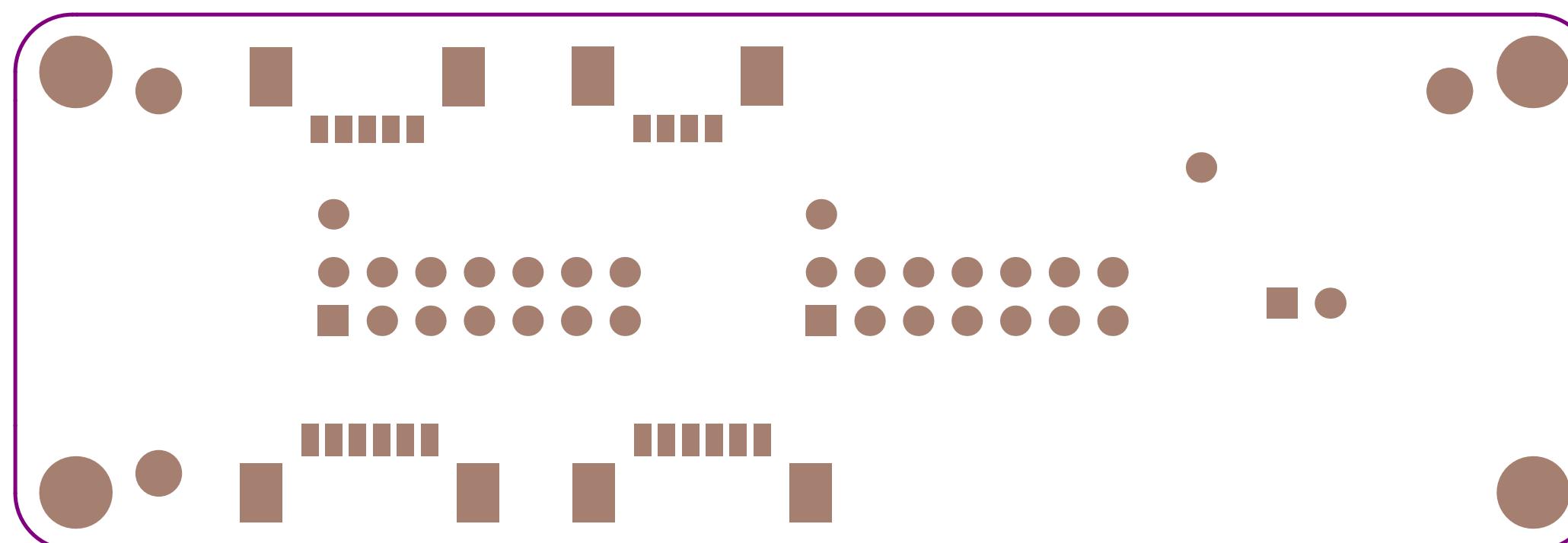
**Drawing: Yan C. de Azeredo**

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.035mm		
	Dielectric 1	FR-4	1.500mm	4.2	
2	Bottom Layer	Copper	0.035mm		
	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



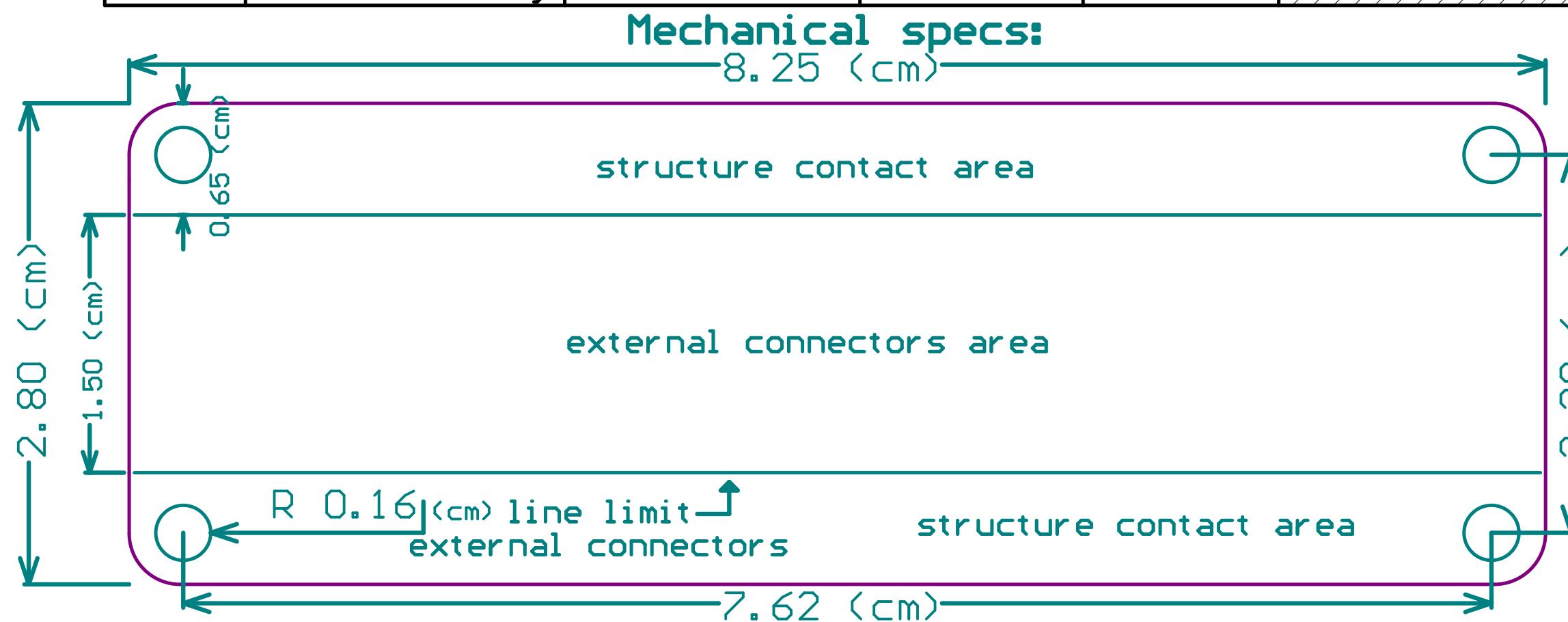
<b>TITLE:</b> IIP N.1 BOARD CHARGE		<b>REV:</b> 1.0	<b>DATE:</b> 01/07/2020
<b>MATERIAL:</b> FR4		<b>Silkscreen color:</b> white	<b>Project:</b> IIP
<b>Board Thickness:</b> 1.6mm		<b>Layers:</b> 02	Space Technology Research Laboratory Federal University of Santa Catarina
<b>PCB Surface:</b> HASL		<b>Drawing:</b> Yan C. de Azeredo	<b>SpaceLab UFSC</b>

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
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	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



<b>TITLE:</b> IIP N.1 BOARD CHARGE		<b>REV:</b> 1.0	<b>DATE:</b> 01/07/2020
<b>MATERIAL:</b> FR4		<b>Silkscreen color:</b> white	<b>Project:</b> IIP
<b>Board Thickness:</b> 1.6mm		<b>Layers:</b> 02	Space Technology Research Laboratory Federal University of Santa Catarina
<b>PCB Surface:</b> HASL		<b>Drawing:</b> Yan C. de Azeredo	<b>SpaceLab UFSC</b>

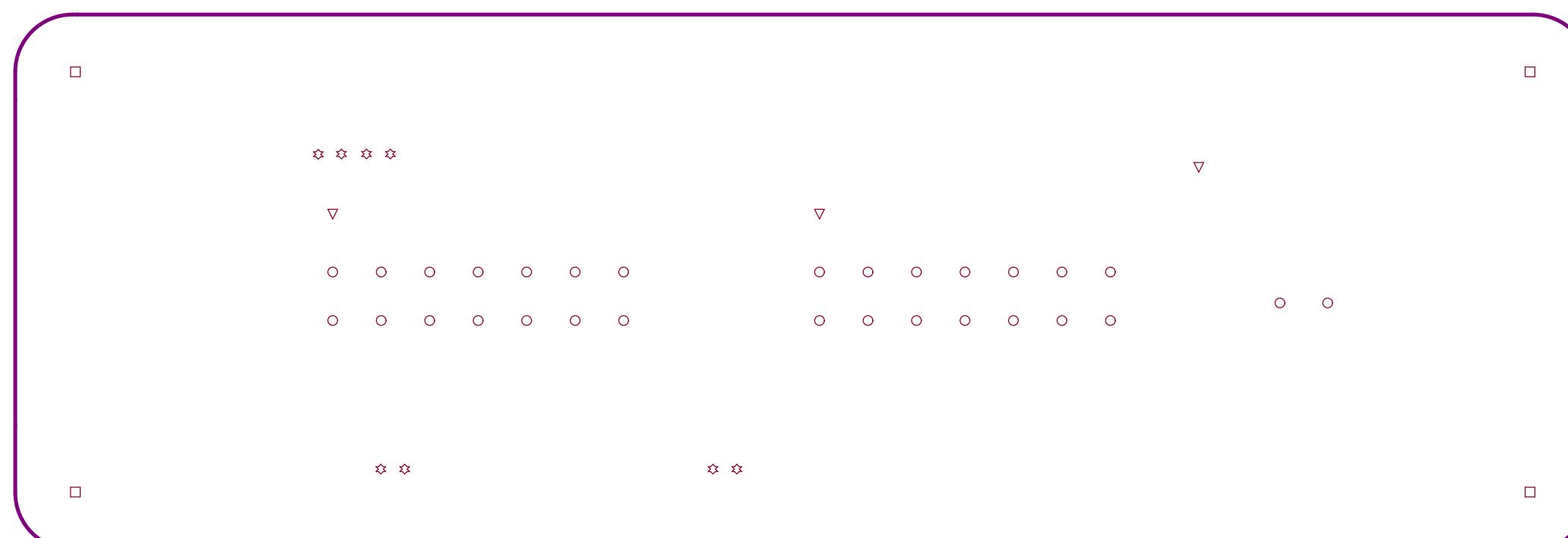
Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.035mm		
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	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



<b>TITLE: IIP N.1 BOARD CHARGE</b>		<b>REV: 1.0</b>	<b>DATE: 01/07/2020</b>
<b>MATERIAL: FR4</b>	<b>Silkscreen color: white</b>	<b>Project: IIP</b>	
<b>Board Thickness: 1.6mm</b>	<b>Layers: 02</b>	Space Technology Research Laboratory Federal University of Santa Catarina <b>SpaceLab UFSC</b>	
<b>PCB Surface: HASL</b>	<b>Drawing: Yan C. de Azeredo</b>		

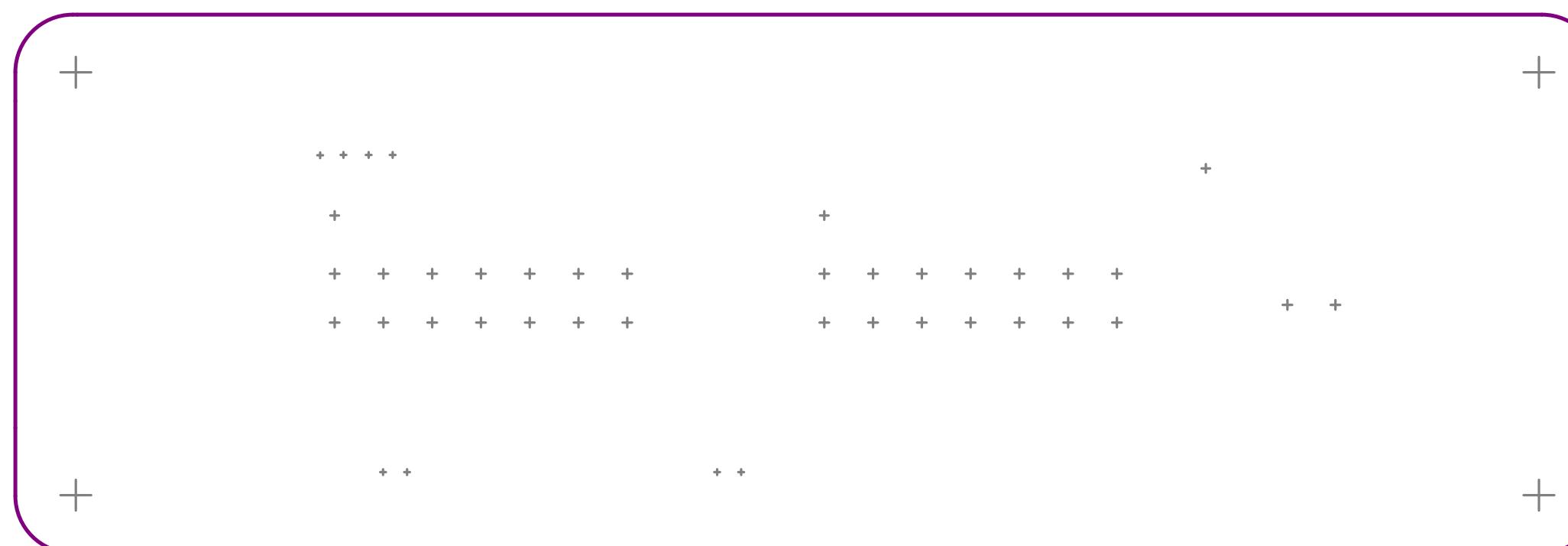
Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template
◊	8	0.300mm (11.81mil)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	v60h30m0mx0
▽	3	0.900mm (35.43mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c150h90
○	30	1.000mm (39.37mil)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)
□	4	3.200mm (125.98mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c370h320
	45 Total							

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
1	Top Layer	Copper	0.035mm		
	Dielectric 1	FR-4	1.500mm	4.2	
2	Bottom Layer	Copper	0.035mm		
	Bottom Solder	Solder Resist	0.010mm	3.5	
	Bottom Overlay				



TITLE: IIP N.1 BOARD CHARGE		REV: 1.0	DATE: 01/07/2020
MATERIAL: FR4		Silkscreen color: white	Project: IIP
Board Thickness: 1.6mm		Layers: 02	Space Technology Research Laboratory Federal University of Santa Catarina
PCB Surface: HASL		Drawing: Yan C. de Azeredo	SpaceLab UFSC

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0.010mm	3.5	
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	Bottom Overlay				



**TITLE: IIP N.1 BOARD CHARGE**

**REV: 1.0**

**DATE: 01/07/2020**

**MATERIAL: FR4**

**Silkscreen color: white**

**Project: IIP**

**Board Thickness: 1.6mm**

**Layers: 02**

**Space Technology Research Laboratory  
Federal University of Santa Catarina  
SpaceLab UFSC**

**PCB Surface: HASL**

**Drawing: Yan C. de Azeredo**