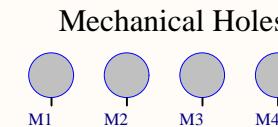
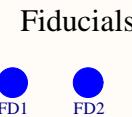


Rev	Description	Date	Author
1.0	Initial Release.	01/07/20	Yan C. de Azeredo

### Revision History



### PCB Elements

#### Semi USB Interstage Interface Panels of FloripaSat-2 2U CubeSat

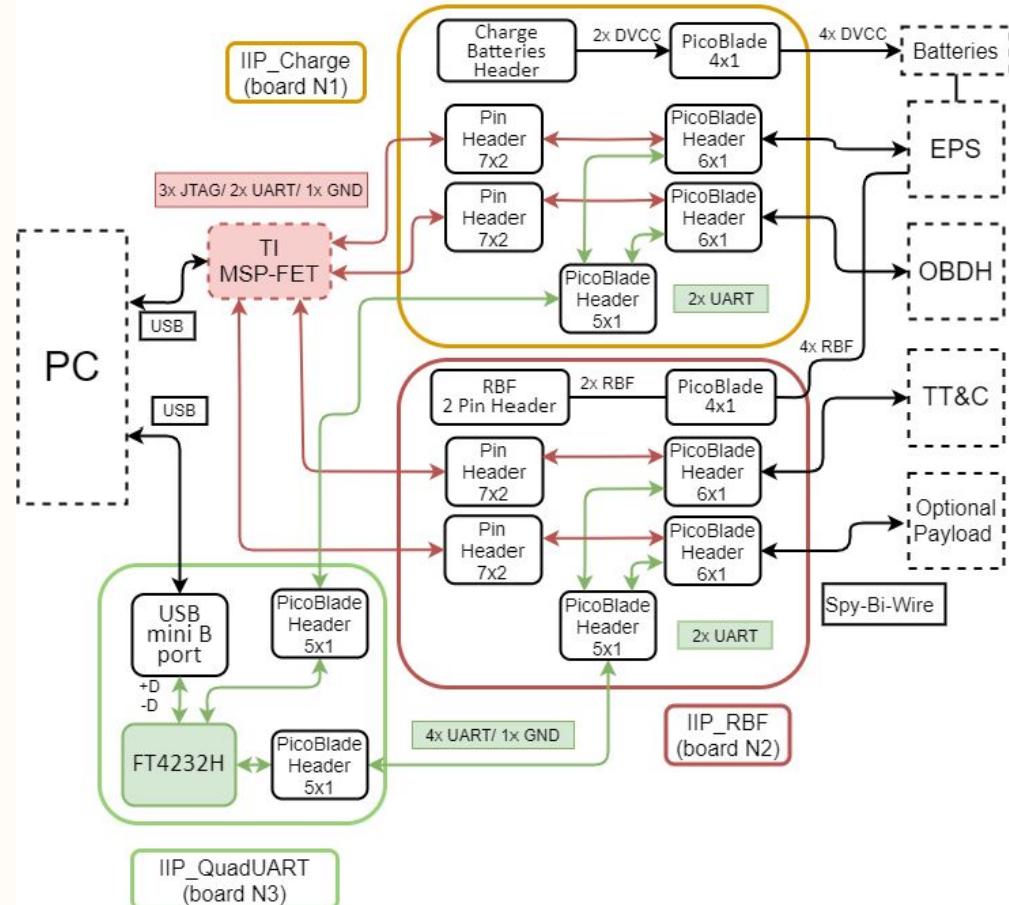
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- Drawn by: Yan Castro de Azeredo
- Reviewers: Gabriel M. Marcelino and André M. P. Mattos
- Support: Gabriel M. Marcelino and André M. P. Mattos

### Project Information

## Semi USB Interstage Interface Panels



## Full System Block Diagram

Title: 0_Architecture.SchDoc		
Size: A4	Project: 1_IIP_Charge.PrjPCB	Revision: 1.0
Date: 03/07/2020	Time: 10:48:29	Sheet 1 of 2
Drawn By: Yan Castro de Azeredo		Model: Engineering

UFSC - SpaceLab  
University Campus - Trindade  
Dep. of Electrical Engineering - CTC  
Florianópolis, Santa Catarina, Brazil  
CEP: 88040 - 900



A

B

C

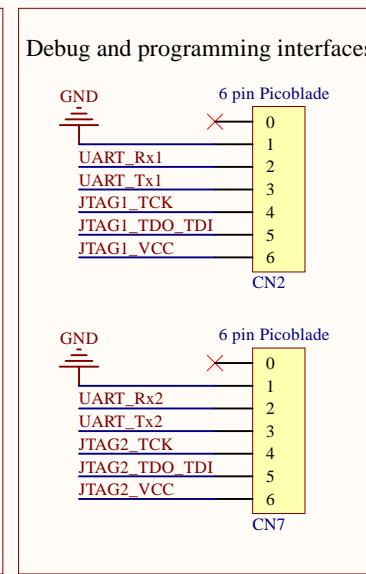
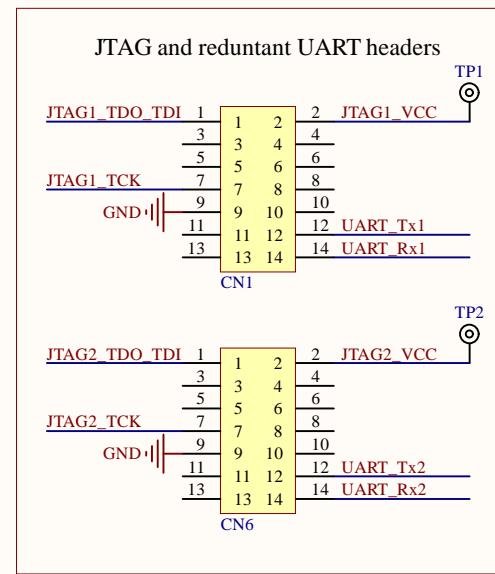
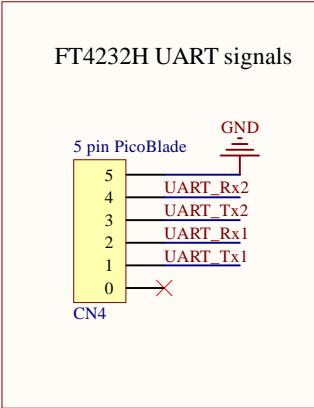
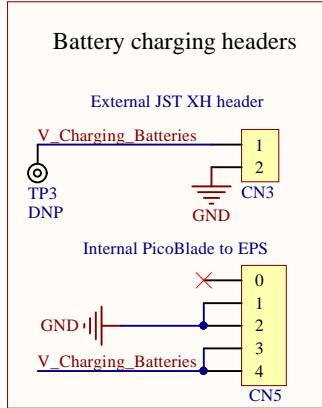
D

A

B

C

D

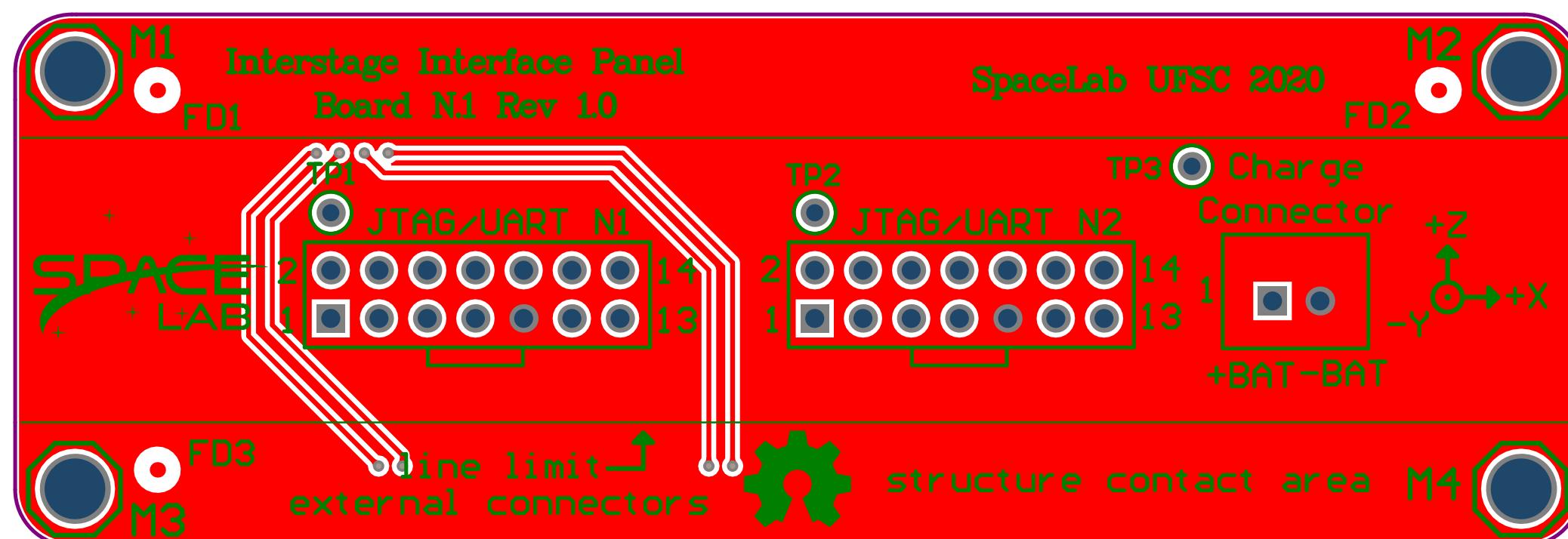


Title: 1_IIP_Charge.SchDoc		
Size: A4	Project: 1_IIP_Charge.PrjPCB	Revision: 1.0
Date: 03/07/2020	Time: 10:48:30	Sheet 2 of 2
Drawn By: Yan Castro de Azeredo	Model: Engineering	

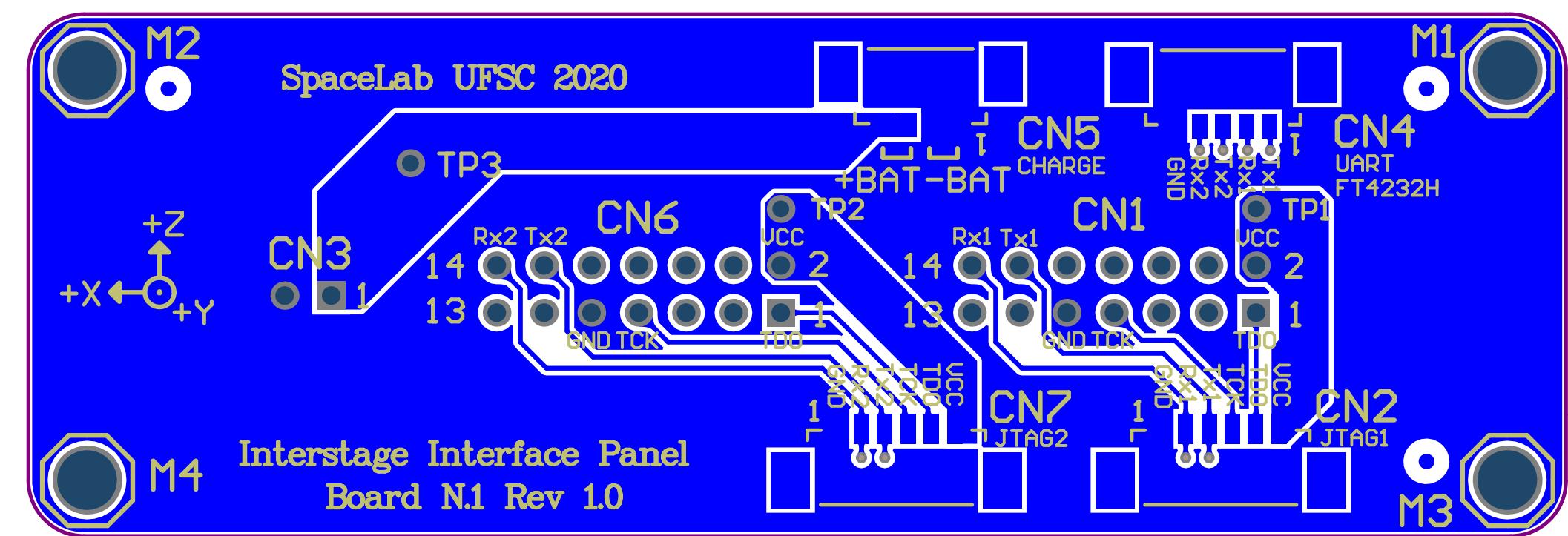
UFSC - SpaceLab  
University Campus - Trindade  
Dep. of Electrical Engineering - CTC  
Florianópolis, Santa Catarina, Brazil  
CEP: 88040 - 900

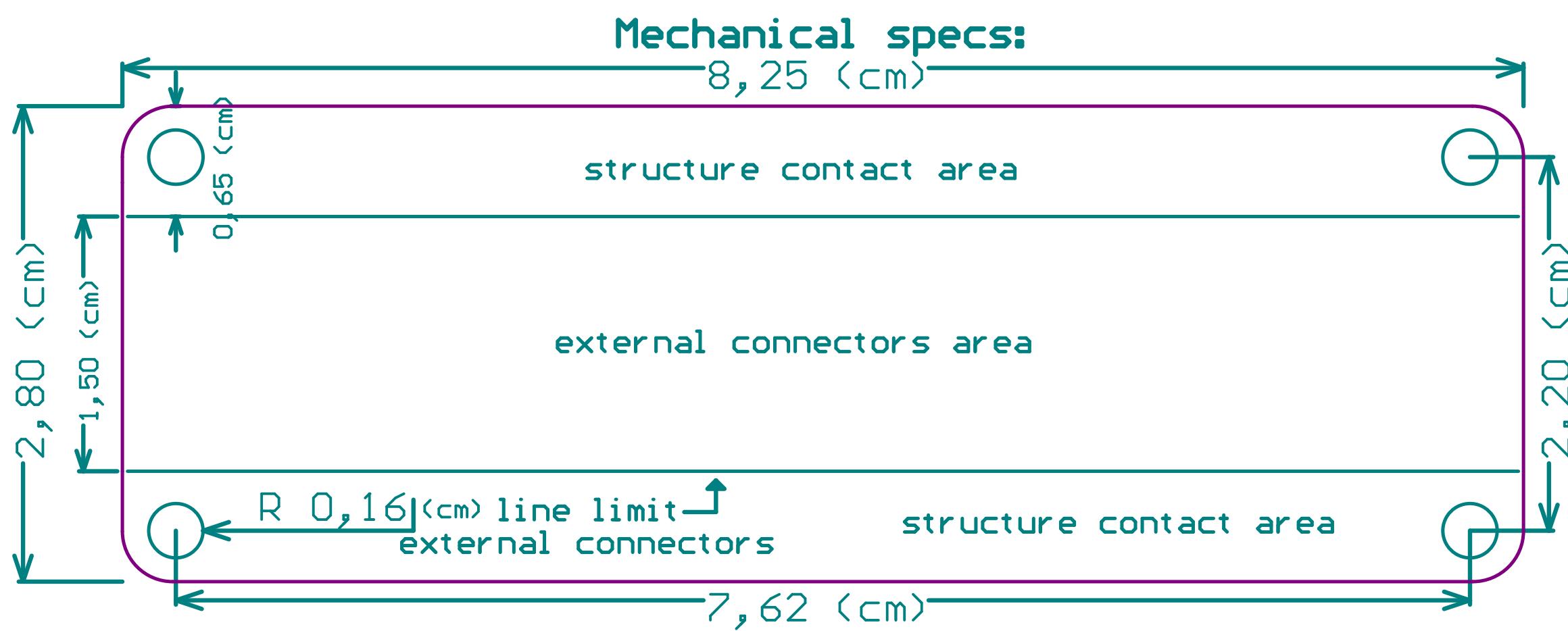


Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0,010mm	3,5	
3	Top Layer	Copper	0,035mm		
4	Dielectric 1	FR-4	1,500mm	4,2	
5	Bottom Layer	Copper	0,035mm		
6	Bottom Solder	Solder Resist	0,010mm	3,5	
7	Bottom Overlay				



<b>TITLE:</b> IIP SEMI USB N.1 BOARD		<b>REV:</b> 1.0	<b>DATE:</b> 01/07/2020
<b>MATERIAL:</b> FR4	<b>Silkscreen color:</b> white	<b>Project:</b> IIP FloripaSat-2	
<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		





**CN1**  
+

**CN6**  
+

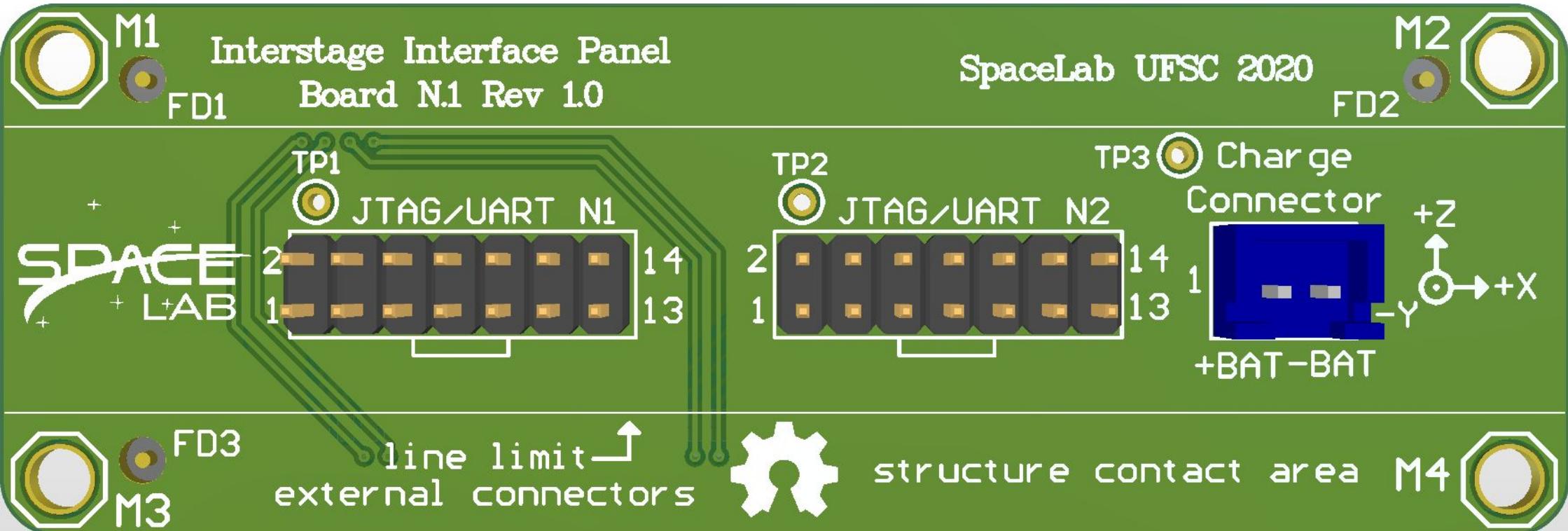
**CN3**  
+

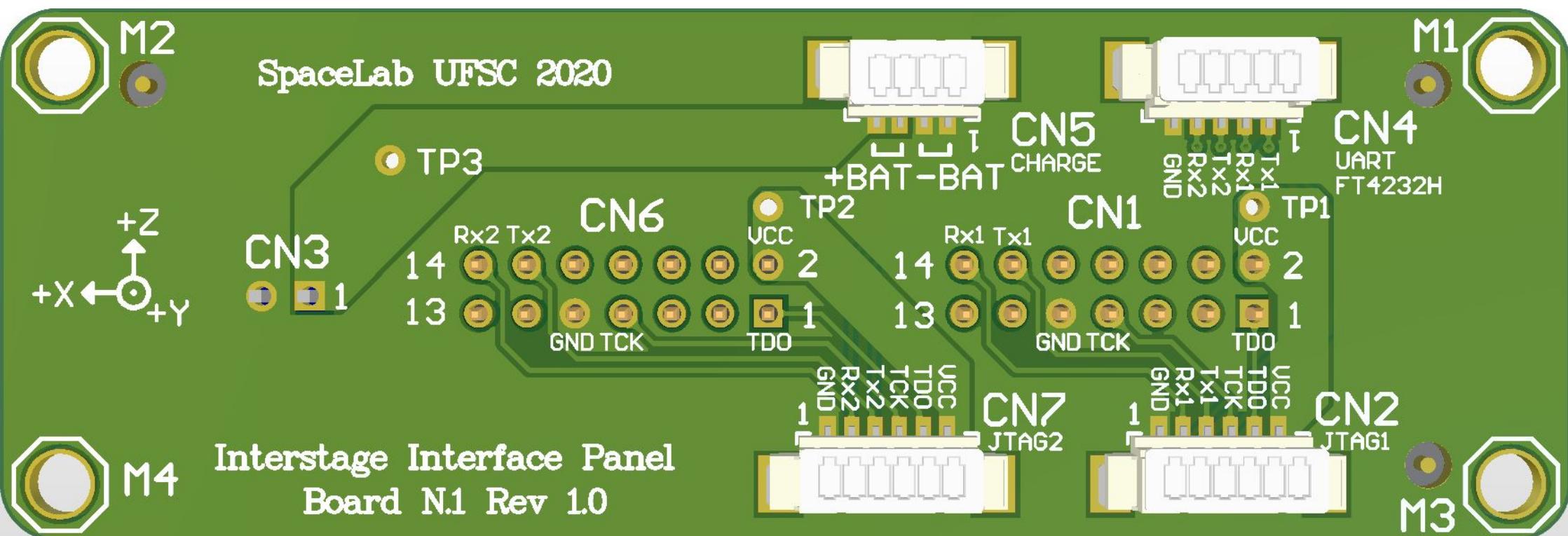
CN5  
+

CN4  
+

CN7  
+

CN2  
+







## Bill of Materials

Source Data From: 1\_IIP\_Charge.PriPCB

Project: 1\_IIP\_Charge.PriPCB

Variant: None

Project Code: <Parameter ProductCode not found>

Report Date: 03/07/2020 10:48:42

Print Date: 03/07/2020 10:48:50

#	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2	Manufacturer Part Number	Comment	Description	Quantity	Designator
1	Mouser	<a href="#">538-53398-0471</a>	Digi-Key	<a href="#">WM7608CT-ND</a>	53398-0471	4 pin Picoblade	Connector Header Surface Mount 4 position 0.049" (1.25mm)	1	CN5
2	Mouser	<a href="#">538-53398-0571</a>	Digi-Key	<a href="#">WM7609CT-ND</a>	53398-0571	5 pin PicoBlade	Wire-To-Board Connector, Vertical, PicoBlade 53398 Series, Surface Mount, Header, 5, 1.25 mm	1	CN4
3	Mouser	<a href="#">538-53398-0671</a>	Digi-Key	<a href="#">WM7610DKR-ND</a>	53398-0671	6 pin Picoblade	1.25mm Pitch PicoBlade™ Header, Surface Mount, Vertical, 6 Circuits	2	CN2, CN7
4	Mouser	<a href="#">855-M20-9980745</a>	Digi-Key	<a href="#">952-1932-ND</a>	M20-9980745	7 POS dual line Pin Header 2.54mm	Headers & Wire Housings 07+07 DIL VERTICAL PIN HEADER GOLD HT	2	CN1, CN6
5	Digi-Key	<a href="#">455-2879-ND</a>			B2B-XH-A-M(LF)(SN)	JST 2 position header 2.5mm	CONN HEADER TOP 2POS 2.5MM GRN	1	CN3