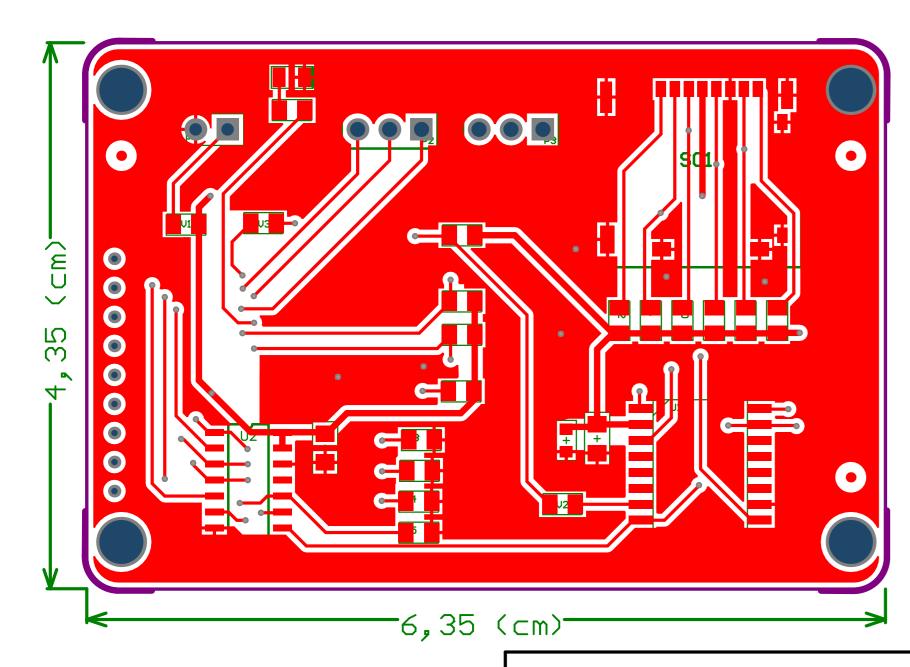


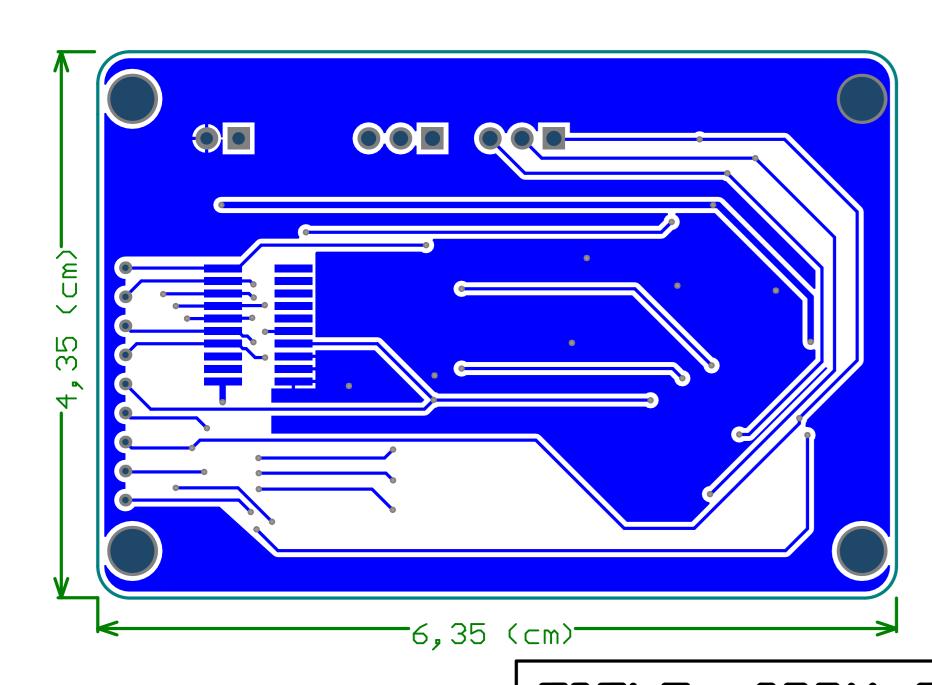
Layer	Name	Material	Thickness	Constant	Board Layer	Stack	Board Layer Stack	Board Layer Stack	Board L	ayer Stack	Board Layer Stack	Board Layer Stack	Board Layer Stack
1	Top Overlay												
2	Top Solder	Solder Resist	O,010mm	3,5									
3	Top Layer	Copper	0,036mm										
4	Dielectric 1	FR-4	1,600mm	4,8									
5	Bottom Layer	Copper	0,036mm										
6	Bottom Solder	Solder Resist	O,010mm	3,5									
7	Bottom Overlay												



VARIANT: DB_Memory

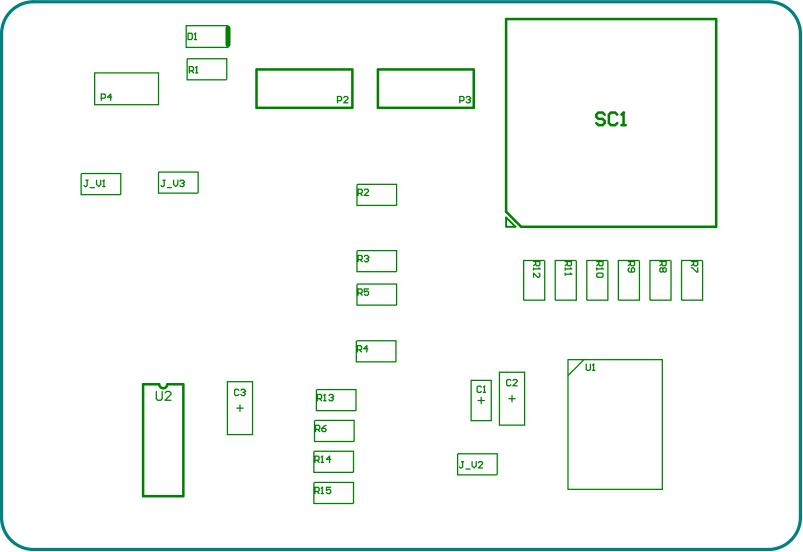
TITLE: OBDH 2.0	DAUGHTERBOARD	REV. 1.1	DATE: 21/03/2020	
MATERIAL: FR4	Silkscreen color: yellow	Project:	FloripaSat-2	
Board Tickness: 1.69mm	Layers: 02	Space Technology Research Labora Federal University of Santa Catari		
PCB Surface: ENIG	Drawing: Yan C. de Azeredo	SpaceLab UFS	_	

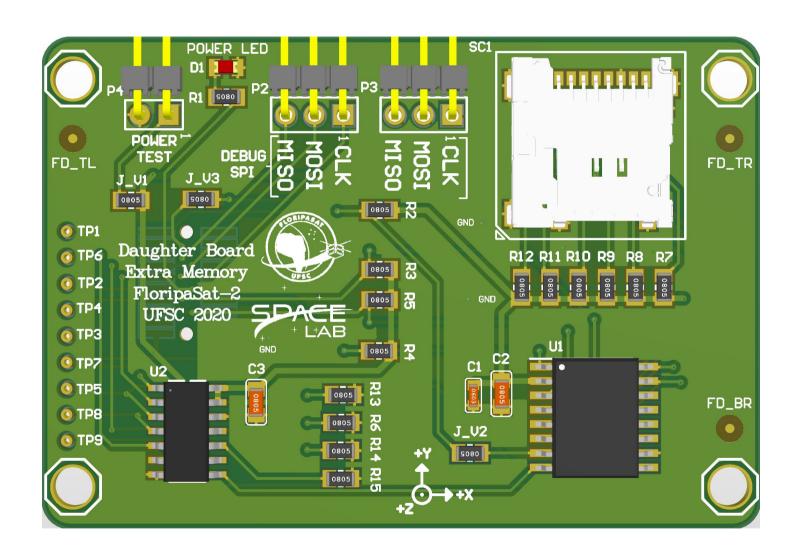
Layer	Name	Material	Thickness	Constant	Board l	_ayer Sta	ack	Board Layer Stack	Board Layer Stack	Board L	ayer Stack	Board Layer Stack	Board Layer Stack	Board Layer Stack
1	Top Overlay													
2	Top Solder	Solder Resist	O,010mm	3,5										
3	Top Layer	Copper	0,036mm											
4	Dielectric 1	FR-4	1,600mm	4,8										
5	Bottom Layer	Copper	0,036mm											
6	Bottom Solder	Solder Resist	O,010mm	3,5										
7	Bottom Overlay													

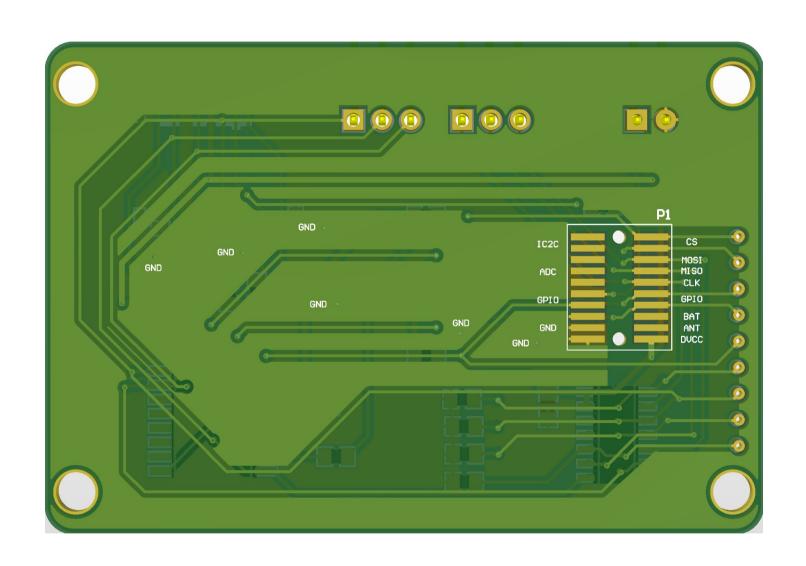


VARIANT: DB_Memory

TITLE: OBDH 2.0	REU.1.1 DATE: 21/03/2020	
MATERIAL: FR4	Silkscreen color: yellow	Project: FloripaSat-2
Board Tickness: 1.69mm	Layers: 02	Space Technology Research Laboraty Federal University of Santa Catarina
PCB Surface: ENIG		SpaceLab UFSC









Bill of Materials

Biii oi iviatorii		
Source Data From:	DB_Memory.PrjPCB	
Project:	DB_Memory.PrjPCB	
Variant:	None	
Project Code:	<parameter found="" not="" productcode=""></parameter>	

Report Date:	24/03/2020	11:21:07
Print Date:	24/03/2020	11:21:23

#	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2	Manufacturer	Comment	Description	Quantity	Designator	lumn Name Error tted	
1	Digi-Key	<u>541-10.0KCCT-ND</u>	Mouser	71-CRCW0805-10K-E3	Vishay	10k	RES 10K OHM 1/8W 1% 0805	13	R2, R3, R4, R5, R7, R8, R9, R10, R11, R12, R13, R14, R15		
2						DB Mechanical Hole	Mechanical Hole for DB board variants	4	M1, M2, M3, M4		
3						Fiducial	Fiducial for DB board variants	3	FD1, FD2, FD3		
4	Digi-Key	311-0.0ARCT-ND	Mouser	603-RC0805JR-070RL	Yageo	0R	RES OR OHM 1/8W JUMPER 0805	3	J_V1, J_V2, J_V3		
5	Mouser	200-TSW10308GSRA	Digi-Key	<u>SAM1039-03-ND</u>	Samtec	HEADER 3x	Conn Unshrouded Header HDR 3 POS 2.54mm Solder RA Thru- Hole Automotive Bulk	2	P2, P3		
6	Digi-Key	<u>160-1413-1-ND</u>	Mouser	<u>859-LTST-C170KFKT</u>	Vishay Lite-On	Orange	SMD Orange LED	1	D1		
7	Digi-Key	<u>296-1222-1-ND</u>	Mouser	<u>595-SN74LVC125APWR</u>	Texas Instruments	SN74LVC125APWR	IC BUF NON-INVERT 3.6V 14TSSOP	1	U2		
8	Digi-Key	311-100KCRCT-ND	Mouser	603-RC0805FR-07100KL	Yageo	100k	RES 100K OHM 1/8W 1% 0805	1	R6		
9	Digi-Key	<u>311-1141-1-ND</u>	Mouser	603-CC805KRX7R8BB104	Yageo	0.1uF/25V	CAP CER 0.1 UF 25V 10% X7R 0805	1	C3		
10	Digi-Key	<u>311-1401-1-ND</u>	Mouser	603-CC201KRX7R9BB101	Yageo	100nF/50V	CAP CER 100nF 50V 0603 10%	1	C1		
11	Digi-Key	<u>587-2990-6-ND</u>	Mouser	<u>963-TMK212AB7475KG-T</u>	Taiyo Yuden	4.7uF/25V	CAP CER 4.7UF 25V 10% X7R 0805	1	C2		
12	Digi-Key	2019-RK73H2ATTD3300FCT-ND	Mouser	660-RK73H2ATTD3300F	KOA Speer	330R	RES 330R OHM 1/4W 1% 0805	1	R1		
13	Mouser	200-FSI11003GDAD	Digi-Key	<u>SAM9412-ND</u>	Samtec	FSI-110-03-G-D-AD	CONN STACKING 20POS SMD GOLD	1	P1		
14	Mouser	200-TSW10208GSRA	Digi-Key	<u>SAM1039-02-ND</u>	Samtec	HEADER 2x	Conn Unshrouded Header HDR 2 POS 2.54mm Solder RA Thru- Hole Automotive Bulk	1	P4		
15	Mouser	<u>340-278808-TRAY</u>	Digi-Key	<u>557-1789-ND</u>	Micron Technology	MT25QL01GBBB8ESF- 0SIT	NOR Flash Serial-SPI 3V 1Gbit 1024M/512M/256M x 1bit/2bit/4bit 6ns 16-Pin SOP-II	1	U1		
16	Mouser	<u>538-503182-1852</u>	Digi-Key	<u>WM12834CT-ND</u>	Molex	MicroSD Card Connector	MOLEX - 503182-1852 - Micro SD Normal UltraLowPro8CktEmbsTpPkg RoHS Compliant: Yes	1	SC1		