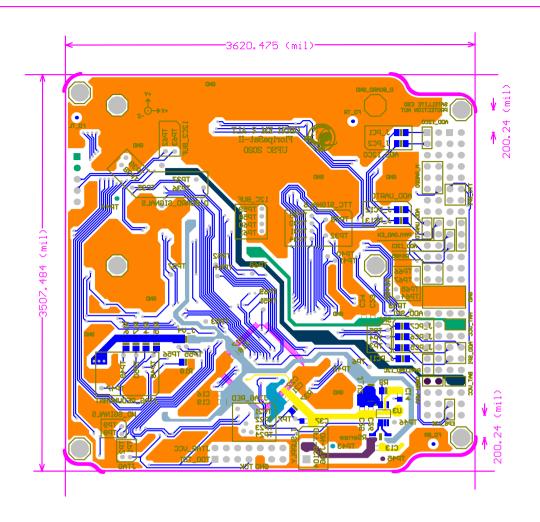


General SPEC:

Cupper base 10Z: PCB Material: FR4 PCB Tickness: 1.6mm PCB Surface: ENIG Vias: Force Complete Tenting

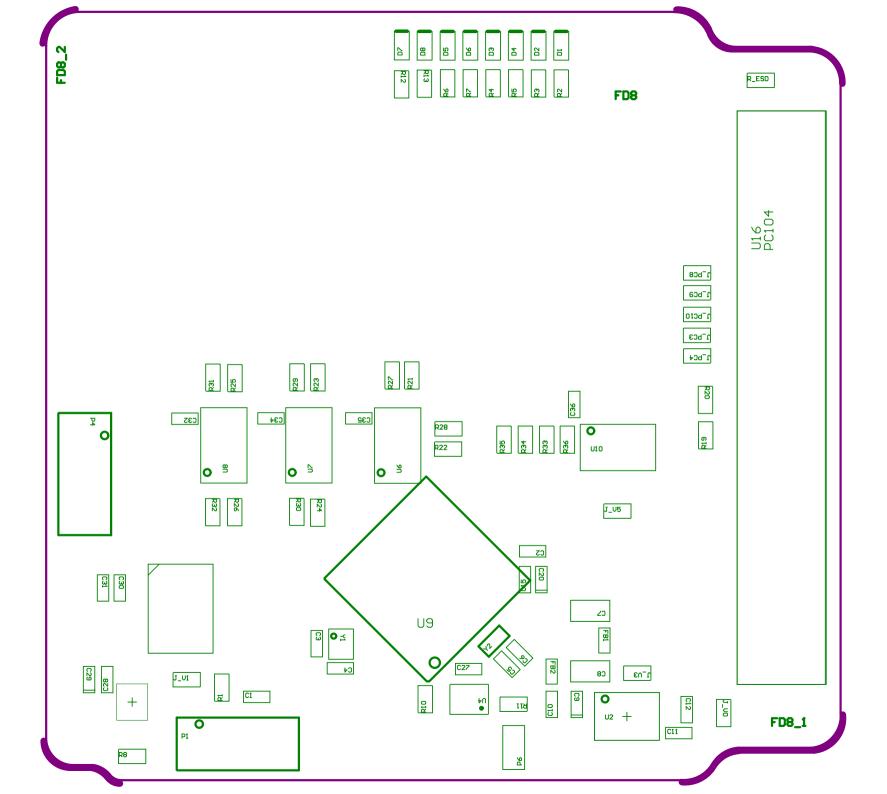
TITULO: OBDH 2018		REV.	VER.
UFSC		01	Eng_2_ALT
MATERIAL: FR4	Silkscreen color: green		
Board Tickness: 1.6mm	Layers: 02	Drawing	DATE
PCB Surface: ENIG		Andre M. P. Mattos	01/12/2019

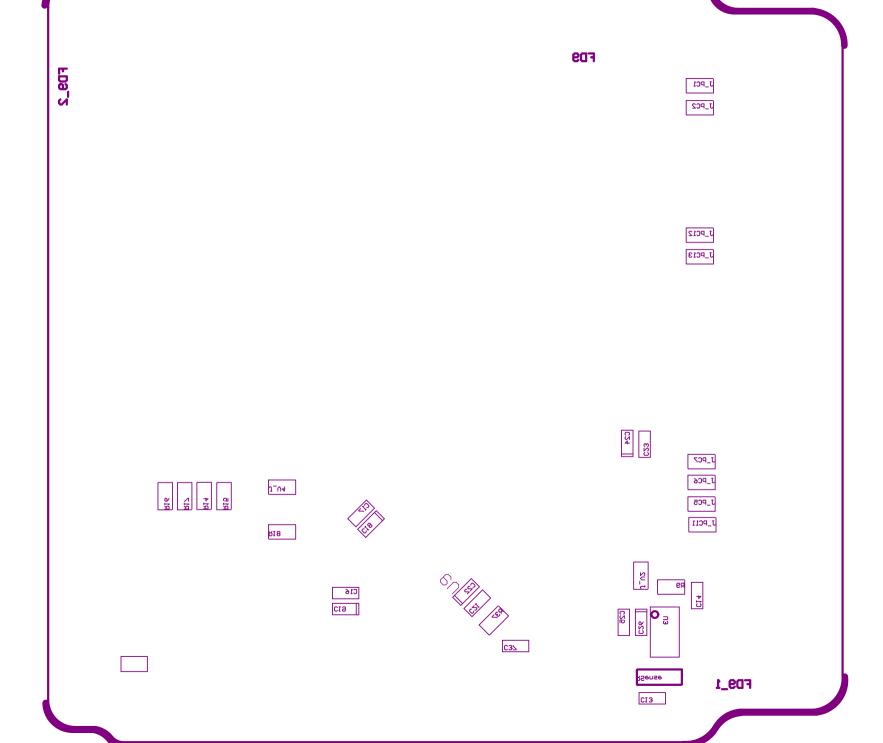


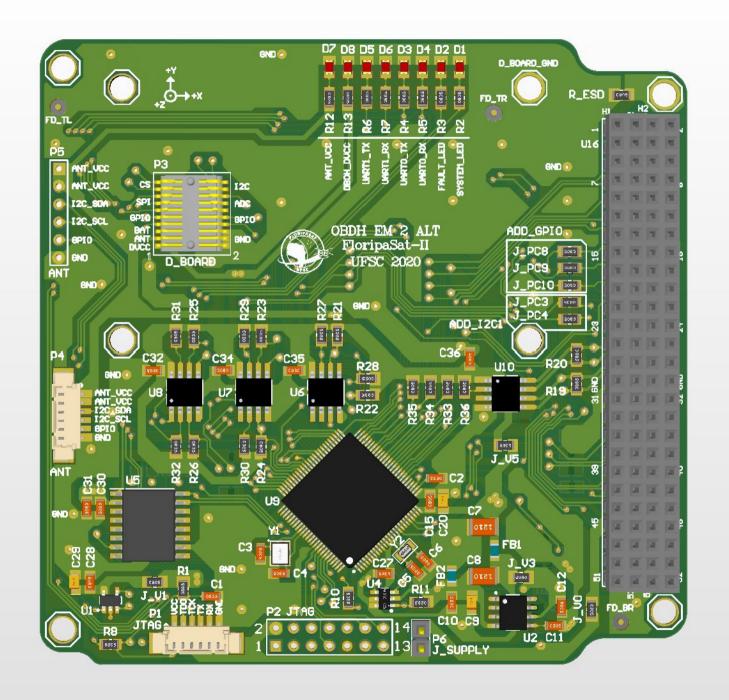
General SPEC:

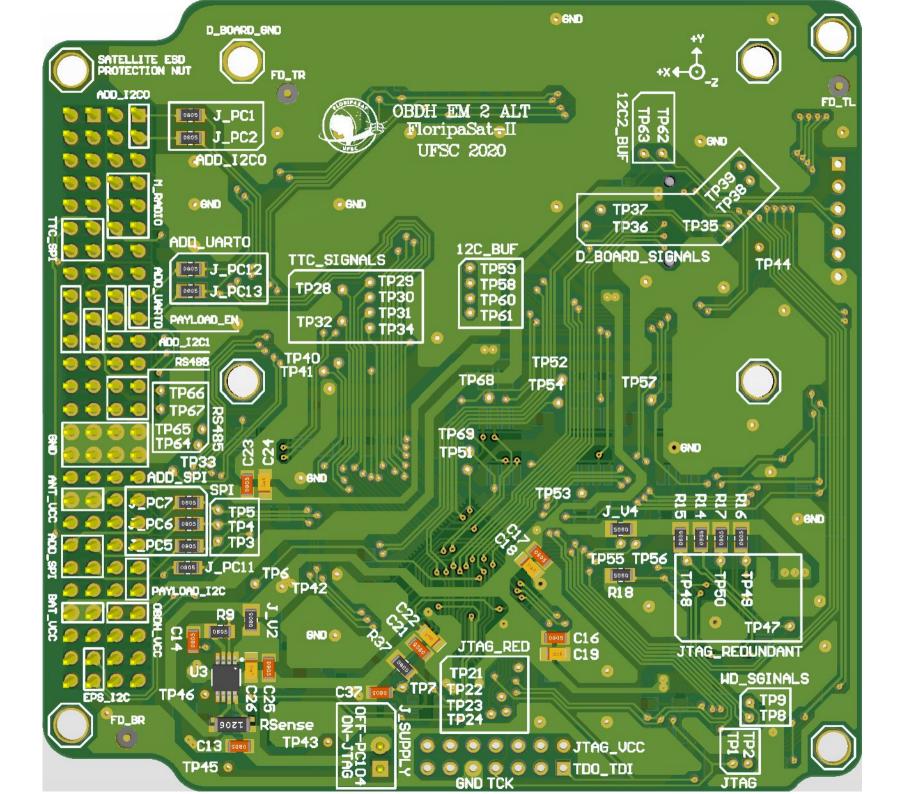
Cupper base 10Z: PCB Material: FR4 PCB Tickness: 1.6mm PCB Surface: ENIG Vias: Force Complete Tenting

TITULO, ODDU OOLO	DELL	LIED	
TITULO: OBDH 2018		REV.	VER.
UFSC		01	Eng_2_ALT
MATERIAL: FR4	Silkscreen color: green		•
Board Tickness: 1.6mm	Layers: 02	Drawing	DATE
PCB Surface: ENIG		Andre M. P. Mattos	01/12/2019









Bill of Materials

OBDH Interface

 Source Data From:
 OBDH_Eng_Model_2_ALT.Pr/Pcb

 Project:
 OBDH_Eng_Model_2_ALT.Pr/Pcb

 Variant:
 None

 Creation Date:
 31/01/2020
 12:17:14

 Print Date:
 31-Jan-20
 12:17:26 PM

			-		
Footprint	Comment	LibRef	Designator	Description	Quantity
CC0805	1nF/16V	Cap_Cer_X7R_	C1	CAP CER 1nF 16V 0603 5%	
CC0805	0.47uF/50V	1nF_16V_0603 Cap_Cer_X7R_ 0.47uF_50V_08	C2	CAP CER 0.47UF 50V 10% X7R 0805	
CC0805	10pF/100V	05 Cap_Cer_X7R_ 10pF_100V_080	C3, C4	CAP CER 10pF 100V 0805	
CC0805	12pF/50V	Cap_Cer_X7R_ 12pF_50V_0805	C5, C6	CAP CER 12pF 50V 0805	
CC1210	22uF/16V	Cap_Cer_X7R_ 0.01uF_16V_12 10	C7, C8	CAP CER 22uF 16V 10% X7R 1210	
CC0805_Tant alum	10uF/10V	Cap_Tant_SMD _10uF_6V3_080 5.	C9, C18, C19, C20, C22, C24, C26, C29	CAP Tantalum 10uF 6.3V 10% 0805, CAP Tantalum 10uF 10V 20% 0805	
		Cap_Tant_SMD _10uF_10V_080			
CC0805	0.1uF/25V	Cap_Cer_X7R_ 0.1uF_25V_080	C10, C12, C13, C14, C15, C16, C17, C21, C23, C25, C27, C28, C36, C37	CAP CER 0.1UF 25V 10% X7R 0805	
CC0805	0.01uF/25V	Cap_Cer_X7R_ 0.01uF_50V_08 05	C11, C32, C34, C35	CAP CER 0.01uF 25V 10% X7R 0805	
CC0805	100nF/50V	Cap_Cer_X7R_ 100nF_50V_060	C30	CAP CER 100nF 50V 0603 10%	
CC0805	4.7uF/25V	Cap_Cer_X7R_ 4.7uF_25V_080	C31	CAP CER 4.7UF 25V 10% X7R 0805	
0805-LED	Orange	LED/R_0603	D1, D2, D3, D4, D5, D6	SMD Orange LED	
0805-LED IND0805	DNP 30R@100Mhz,	LED/G_0805 FB_30R_3A_10	D7, D8 FB1, FB2	SMD Green LED Ferrite Bead 30 OHM 3A 100MHz	
0805	3A 0R	0MHz_0805 R0R_JUMPER_ 1/16W_0805	J_PC1, J_PC2, J_PC3, J_PC4, J_PC5, J_PC6, J_PC7, J_PC8, J_PC9, J_PC10, J_PC11, J_PC12, J_PC13, J_V0, J_V1,	RES OR OHM 1/16W JUMPER 0805	
			J_V2, J_V3, J_V4, J_V5		
HDR6 PicoBlade	6H_PicoBlade	Header 6H PicoBlade	P1, P4	Header, 6-Pin, Right Angle	
HDR2X7	Header 7x2	Header 7X2	P2	Header, 7-Pin, Dual row	
FSI-110-03-X- D-AD		FSI-110-03-X-D-	P3		
HDR1X6H	Header 6H	Header 6H	P5	Header, 6-Pin, Right Angle	
HDR 1X2	Header 2H	Header 2	P6	Header, 2-Pin	
0805	47k	R27_5%_1/10W _0805	R1, R10, R11	RES 47k OHM 1/10W 1% 0805	
0805	330R	R330R_1%_1/4 W_0805	R2, R3, R4, R5, R6, R7	RES 330R OHM 1/4W 1% 0805	
0805	10k	R10k_1%_1/8W _0805	R8, R14, R15, R16, R17, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36	RES 10K OHM 1/8W 1% 0805	
0805	12K	R1.65K_1%_1/1 0W 0805	R9, R37	RES 1.65K OHM 1/10W 0.1% 0805	
0805	DNP	R1.0k_1%_1/8	R12, R13	RES 1.0K OHM 1/8W 1% 0805	
0805	100k	W_0805 R100k_1%_1/8	R18	RES 100K OHM 1/8W 1% 0805	
0805	120R	W_0805 R120R_1%_1/4	R19, R20	RES 120R OHM 1/8W 1% 0805	
0805	1M	W_0805 R1000k_1%_1/8	R ESD	RES 1000K OHM 1/8W 1% 0805	
1206 - ohmite	0.05R/0.5W	W_0805 R0.05R_0.5%_0	RSense	Current Sense Resistors - SMD 0.05ohm	
DBV0005A_N	TPS3823-	.5W_1206 CMP-0338-	U1	.5% 4 Terminal Processor Supervisory Circuit, 1 Supply	
SOIC-8	33QDBVRQ1 REF5030A-Q1	00011-2 REF5030A-Q1	U2	Monitored, -40 to 85 degC, 5-Pin SOT-23 (DBV), Green (RoHS & no Sb/Br) REF5030A-Q1	
MSOP-8	MAX9934TAUA+	MAX9934TAUA+	U3	MAX9934TAUA+	
SOT-23 6L SOIC127P10	TLV341AIDBVR MT25QL01GBB	TLV341AIDBVR MT25QL01GBB	U4 U5	TLV341AIDBVR IC FLASH 1GBIT 108MHZ 16SOIC	
32X265-16N	B8ESF-0SIT	B8ESF-0SIT			
SOIC8 PZ0100A N	TCA4311ADR MSP430F6659I	TCA4311ADR MSP430F6659I	U6, U7, U8	IC SIGNAL BUFFER I2C 8SOIC Imported	
=	PZR_1	PZR_1		, i	
SOIC8 PC104	THVD1451DR PC104_INTERN	THVD1451DR PC104	U10 U16	IC INTERFACE RS422_RS485 8SOIC PC104	
XTAL_ABM8	AL 32MHz 10ppm	XTAL_32MHz_S	Y1	32MHz ±10ppm Crystal 10pF 60 Ohm -40°C	
X		MD_4-SMD		~ 125°C	
ABS06 0805	32.768kHz 12.5pF	Xtal_32.768kHz_ 12pF_2_SMD	Y2	32.768kHz ±20ppm Crystal 12.5pF 70 kOhm -40°C ~ 125°C	
Approved		Notes			1
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