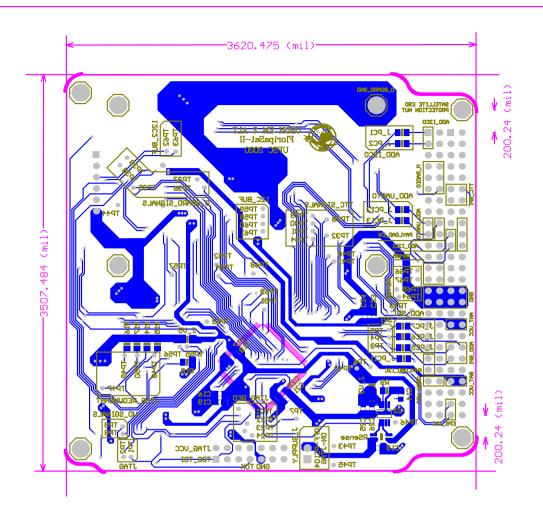


General SPEC:

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

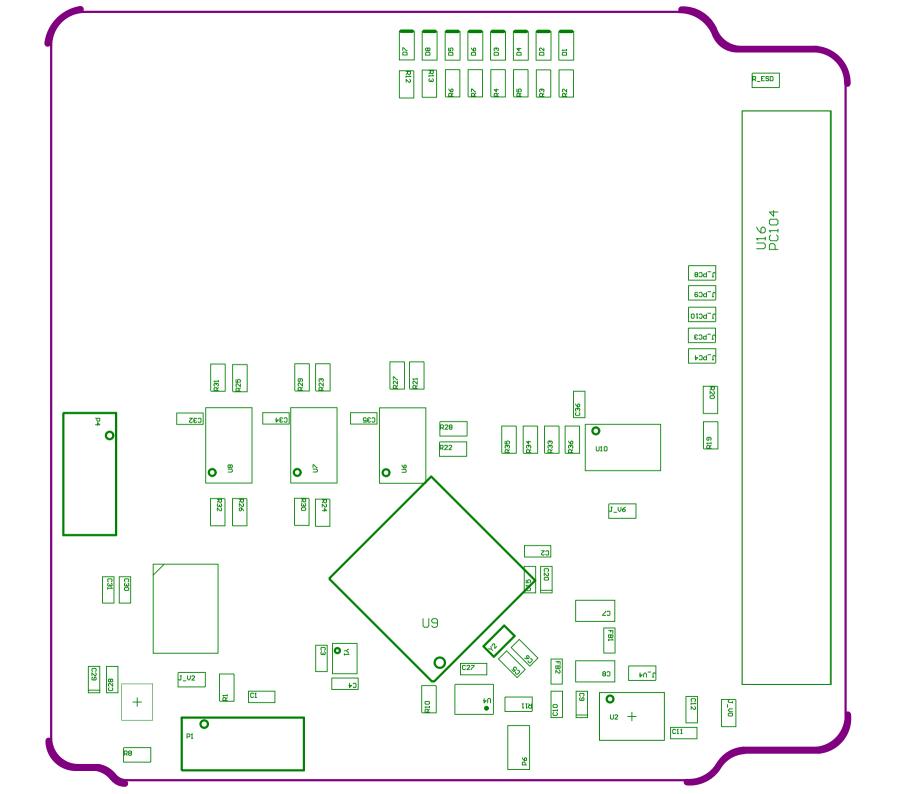
TITULO: OBDH 2018		REV.	VER.
UFSC		01	Eng_2_ALT
MATERIAL: FR4	Silkscreen color: green		
Board Tickness: 1.6mm	Layers: 02	Drawing	DATE
PCB Surface: ENIG		Andre M. P. Mattos	01/12/2019

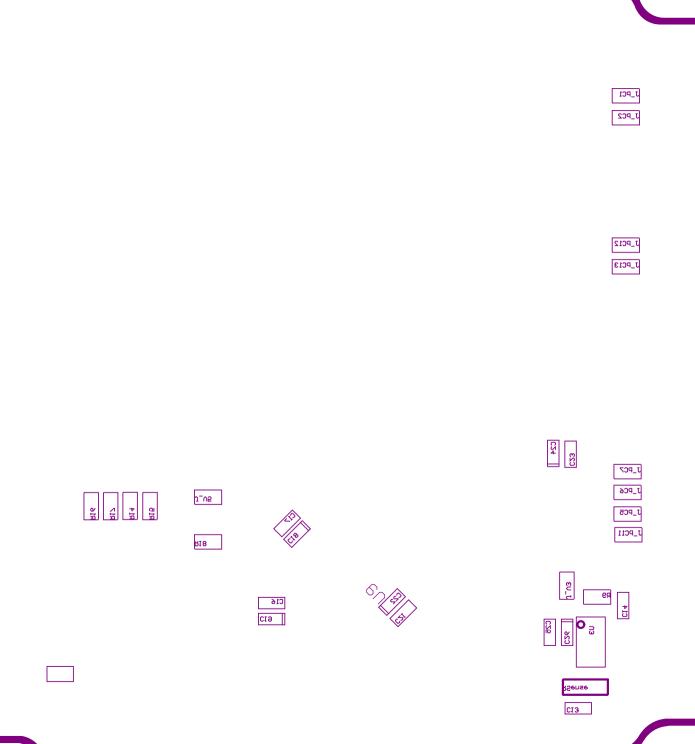


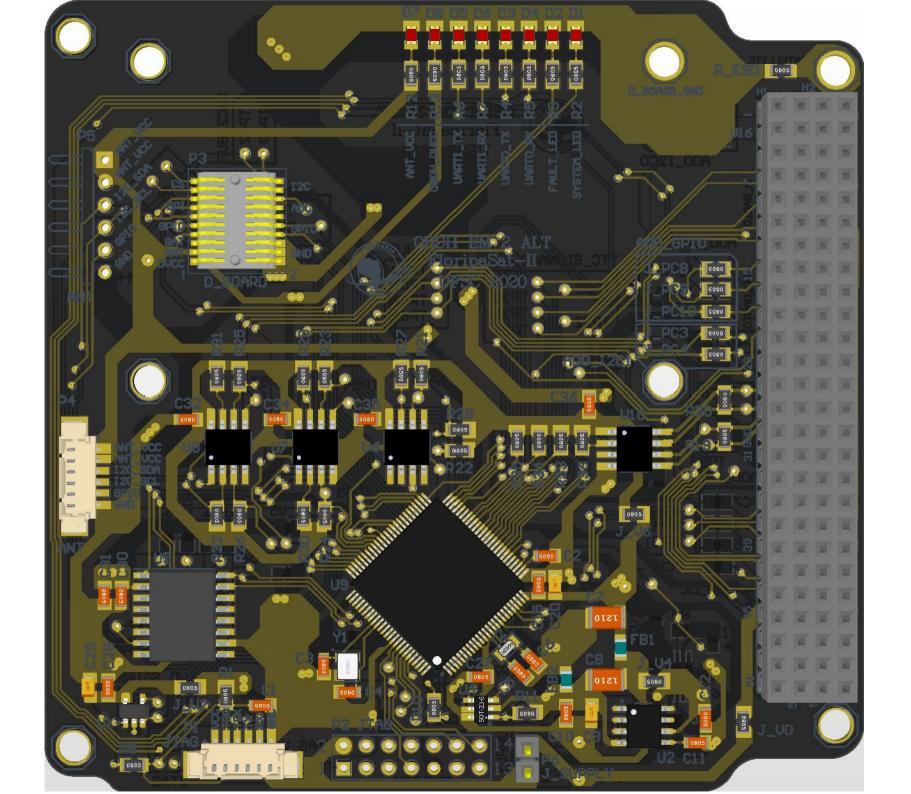
General SPEC:

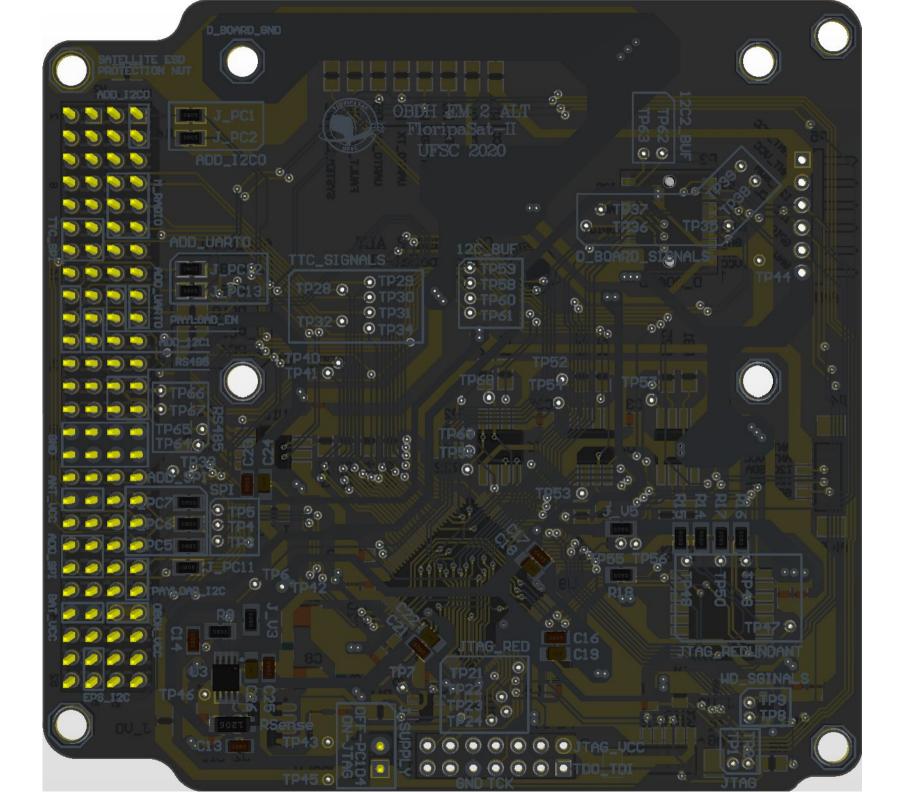
Cupper base 10Z: PCB Material: FR4 PCB Tickness: 1.6mm PCB Surface: ENIG Vias: Force Complete Tenting

TITULO: 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









Comment	Description	Designator	Footprint	LibRef	Partnumber	Quantity
1nF/16V	CAP CER 1nF 16V 0603 5%	C1	CC0805	Cap_Cer_X7R_1nF_16 V_0603	C0603X102J4RECAU TO	
11117100	CAP CER 0.47UF 50V		ccooos	Cap_Cer_X7R_0.47uF	10	
0.47uF/50V	10% X7R 0805	C2	CC0805	_50V_0805	C0805C474K5RACTU	•
10pF/100V	CAP CER 10pF 100V 0805	C3, C4	CC0805	Cap_Cer_X7R_10pF_ 100V_0805	08051A100FAT2A	:
	CAP CER 12pF 50V			Cap_Cer_X7R_12pF_		
12pF/50V	0805	C5, C6	CC0805	50V_0805	CL21C120FBANNNC	:
22uF/16V	CAP CER 22uF 16V 10% X7R 1210	C7, C8	CC1210	Cap_Cer_X7R_0.01uF _16V_1210	C3225X7R1C226K25 0AC	
	CAP Tantalum 10uF			Cap_Tant_SMD_10uF		
	6.3V 10% 0805, CAP Tantalum 10uF 10V	C9, C18, C19, C20,		_6V3_0805, Cap_Tant_SMD_10uF	TPSR106K006R1000,	
10uF/10V	20% 0805	C22, C24, C26, C29	CC0805_Tantalum	_10V_0805	TPSP106M010R2000	
		C10, C12, C13, C14,				
	CAP CER 0.1UF 25V	C15, C16, C17, C21, C23, C25, C27, C28,		Cap_Cer_X7R_0.1uF_	CC0805KRX7R8BB10	
0.1uF/25V	10% X7R 0805	C36	CC0805	25V_0805	4	1
	CAP CER 0.01uF 25V			Cap_Cer_X7R_0.01uF		
0.01uF/25V	10% X7R 0805 CAP CER 100nF 50V	C11, C32, C34, C35	CC0805	_50V_0805 Cap_Cer_X7R_100nF_	CL21B103KAANNNC C0603C104K5RAC31	
100nF/50V	0603 10%	C30	CC0805	50V_0603	21	
	CAP CER 4.7UF 25V			Cap_Cer_X7R_4.7uF_	C0805C475K3RACA	
4.7uF/25V	10% X7R 0805	D1, D2, D3, D4, D5,	CC0805	25V_0805	UTO	
Orange	SMD Orange LED	D1, D2, D3, D4, D3,	0805-LED	LED/R_0603	LTST-C170KFKT	
DNP	SMD Green LED	D7, D8	0805-LED	LED/G_0805	LTST-C171GKT	
	Ferrite Bead 30		*******	FB_30R_3A_100MHz_	D. I. 104 D.O	
30R@100Mhz, 3A	OHM 3A 100MHz	FB1, FB2 J_PC1, J_PC2, J_PC3,	IND0805	0805	BLM21PG300SN1D	
	RES OR OHM 1/16W	J_PC4, J_PC5, J_PC6, J_PC7, J_PC8, J_PC9, J_PC10, J_PC11, J_PC12, J_PC13, J_V0, J_V2, J_V3, J_V4,		ROR_JUMPER_1/16W	CRCW08050000Z0E	
0R	JUMPER 0805	J_V5, J_V6	0805	_0805	A	1
5H PicoBlade	Header, 6-Pin, Right Angle	P1, P4	HDR6 PicoBlade	Header 6H_PicoBlade	53398-0671	
	Header, 7-Pin, Dual					
Header 7x2	row	P2	HDR2X7	Header 7X2		
FSI-110-03-X-D-AD		P3	FSI-110-03-X-D-AD	FSI-110-03-X-D-AD		
Header 6H	Header, 6-Pin, Right Angle	P5	HDR1X6H	Header 6H		
Header 2H	Header, 2-Pin	P6	HDR 1X2	Header 2	826646-2	
	RES 47k OHM			R27_5%_1/10W_080		
47k	1/10W 1% 0805	R1, R10, R11	0805	5	RC0805FR-0747KL	
330R	RES 330R OHM 1/4W 1% 0805	R2, R3, R4, R5, R6, R7	0805	R330R_1%_1/4W_08 05	RC0805FR-07330RL	
	RES 10K OHM 1/8W	R8, R14, R15, R16, R17, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35,			CRCW080510K0FKE	
10k	1% 0805	R36	0805	R10k_1%_1/8W_0805	A	2
12K	RES 1.65K OHM	R9	0805	R1.65K_1%_1/10W_0 805	DOFORDED 11/4EDT1	
12K	1/10W 0.1% 0805 RES 1.0K OHM	R9	0805	R1.0k_1%_1/8W_080	PCF0805R-1K65BT1	
DNP	1/8W 1% 0805	R12, R13	0805	5	RC0805FR-071KL	
100k	RES 100K OHM	R18	0805	R100k_1%_1/8W_080	AC000EED 12100VI	
TUUK	1/8W 1% 0805 RES 120R OHM	KIS	0805	R120R_1%_1/4W_08	AC0805FR-13100KL	
120R	1/8W 1% 0805	R19, R20	0805	05	CRGCQ0805F120R	
	RES 1000K OHM	R_ESD	0805	R1000k_1%_1/8W_08 05	AC000EED 12100VI	
1M	1/8W 1% 0805 Current Sense	K_E2D	0805	05	AC0805FR-13100KL	
	Resistors - SMD					
0.05R/0.5W	0.05ohm .5% 4 Terminal	RSense	1206 - ohmite	R0.05R_0.5%_0.5W_1 206	LVK12R050DER	
5.53IQ 0.3VV	Processor Supervisory Circuit, 1 Supply Monitored, -40 to 85 degC, 5- Pin SOT-23 (DBV), Green (RoHS & no	INGELSE	1200 - Ordine		TPS3823-	
TPS3823-		lua.	DBV0005A_N	CMP-0338-00011-2	33QDBVRQ1	
	Sb/Br)	U1				
33QDBVRQ1 REF5030A-Q1	Sb/Br) REF5030A-Q1	U2	SOIC-8	REF5030A-Q1	REF5030A-Q1	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+	Sb/Br) REF5030A-Q1 MAX9934TAUA+	U2 U3	MSOP-8	MAX9934TAUA+	MAX9934TAUA+	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR	Sb/Br) REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR	U2	MSOP-8 SOT-23 6L	MAX9934TAUA+ TLV341AIDBVR		
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESI	Sb/Br) REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR IC FLASH 1GBIT	U2 U3 U4	MSOP-8	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESF	MAX9934TAUA+	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESI OSIT	Sb/Br) REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR IC FLASH 1GBIT 108MHZ 16SOIC IC SIGNAL BUFFER	U2 U3 U4 U5	MSOP-8 SOT-23 6L SOIC127P1032X265- 16N	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESF 0SIT	MAX9934TAUA+ TLV341AIDBVR	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESI OSIT	Sb/Br) REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR IC FLASH 1GBIT 108MHZ 16SOIC	U2 U3 U4	MSOP-8 SOT-23 6L SOIC127P1032X265-	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESF	MAX9934TAUA+	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESI DSIT	Sb/Br) REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR IC FLASH 1GBIT 108MHZ 16SOIC IC SIGNAL BUFFER IZC 8SOIC	U2 U3 U4 U5 U6, U7, U8	MSOP-8 SOT-23 6L SOIC127P1032X265- 16N SOIC8	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESF 0SIT TCA4311ADR	MAX9934TAUA+ TLV341AIDBVR TCA4311ADR	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESI DSIT	Sb/Br) REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR IC FLASH 1GBIT 108MHZ 16SOIC IC SIGNAL BUFFER IZC 8SOIC	U2 U3 U4 U5	MSOP-8 SOT-23 6L SOIC127P1032X265- 16N	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESF 0SIT	MAX9934TAUA+ TLV341AIDBVR	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESI OSIT TCA4311ADR	Sb/Br) REF5030A-Q1 MAX9934TAUJA+ TLV341AIDBVR IC FLASH 1GBIT 108MHZ 16SOIC IC SIGNAL BUFFER IZC 8SOIC	U2 U3 U4 U5 U6, U7, U8	MSOP-8 SOT-23 6L SOIC127P1032X265- 16N SOIC8	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESF 0SIT TCA4311ADR	MAX9934TAUA+ TLV341AIDBVR TCA4311ADR	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA+ TUV341AIDBVR MT25QL01GBBB8ESI DSIT TCA4311ADR MSP430F6659IPZR_1 THVD1451DR	Sb/B/ REF5030A-C1 REF5030A-C1 MAX9934TAUA+ TLV341AIDBVR IC FLASH 1GBIT 108MHZ 16SOIC IC SIGNAL BUFFER IZC 8SOIC Imported IC INTERFACE RS422_RS485 8SOIC PC104	U2 U3 U4 U5 U6, U7, U8	MSOP-8 SOT-23 6L SOIC127P1032X265- 16N SOIC8 PZ0100A_N	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESF OSIT TCA4311ADR MSP430F6659IPZR_1	MAX9934TAUA+ TLV341AIDBVR TCA4311ADR MSP430F6659IPZR	
33QDBVRQ1 REF5030A-Q1 MAX9934TAUA + TLV341AIDBVR WTZ5QL01GBBB8ESI SIGT TCA4311ADR MSP430F6659IPZR_1 THVD1451DR	Sb/Br) REFS030A-Q1 MAX9934TAUA+ TLV341ADBVR IC FLASH 1GBIT 108MHZ 1650IC IC SIGNAL BUFFER I2C 8SOIC Imported IC INTERFACE RS422_RS485 8SOIC PC104 32MHz ±10ppm	U2 U3 U4 U5 U6, U7, U8 U9	MSOP-8 SOT-23 6L SOIC127P1032X265- 16N SOIC8 PZ0100A_N SOIC8	MAX9934TAUA+ TLV341AIDBVR MT25GL01GBBB8ESF GSIT TCA4311ADR MSP430F6659IPZR_1 THVD1451DR PC104	MAX9934TAUA+ TLV341AIDBVR TCA4311ADR MSP430F6659IPZR THVD1451DR ESQ-126-39-G-D	
33QDBVRQ1 REF6303A-Q1 MAX9934TAUA+ ILV341AIDBVR MT25QL01GBBB8ESI DSIT ICA4311ADR MSP430F6659IPZR_1 IHVD1451DR PC104_INTERNAL	SL/B() REFS030A-O1 MAX9934TAUA+ TLV34TAIDBVR IC FLASH TGBIT IC SLGMAL BUFFER IZC BSOIC Imported IC INTERFACE RS422_RS48S BSOIC PC104 32MHz ± 10ppm Crystal 10pF 60 Crystal 10pF 60 Tom 40°C - 125°C	U2 U3 U4 U5 U6, U7, U8 U9	MSOP-8 SOT-23 6L SOIC127P1032X265- 16N SOIC8 PZ0100A_N SOIC8	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBB88ESF OSIT TCA4311ADR MSP430F6659IPZR_1 THVD1451DR	MAX9934TAUA+ TLV341AIDBVR TCA4311ADR MSP430F6659IPZR THVD1451DR	
TPS3823- 33CDBVRC1 REF5030A-C1 MAX9934TAUA+ TLV341AIDBVR MT25CL01GBB88ESI SSIT TCA4311ADR MSP430F6659IPZR_1 THVD1451DR PC104_INTERNAL	Sb/Bg) REFS030A-Q1 REFS030A-Q1 MAX9934TAUA+ TLV34TAIDBWR IC FLASH TGBIT IC SIGNAL BUFFER I2C 8SDIC IC NITERFACE RS422_RS485 8SOIC PC104 32MHz ±10ppm Crystal 10pF 60	U2 U3 U4 U5 U6, U7, U8 U9 U10 U16	MSOP-8 SOT-23 6L SOT-23 6L SOT-23 6L SOIC8 SOIC8 PZ0100A_N SOIC8 PC104	MAX9934TAUA+ TLV341AIDBVR MT25QL01GBBB8ESF OSIT TCA4311ADR MSP430F6659IPZR_1 THVD1451DR PC104 XTAL_32MHz_SMD_4	MXX9934TAUA+ TLV341AIDBVR TCA4311ADR MSP430F6659IPZR THVD1451DR ESO-126-39-G-D ABM8X-102- 32.000MHZ-T	