

Bill of Materials

Bill of Materials For Project [PCB_Eng_Model_OBDH_2.PrjPcb] (No PCB Document Selected)

 Source Data From:
 PCB_Eng_Model_OBDH_2.PrjPcb

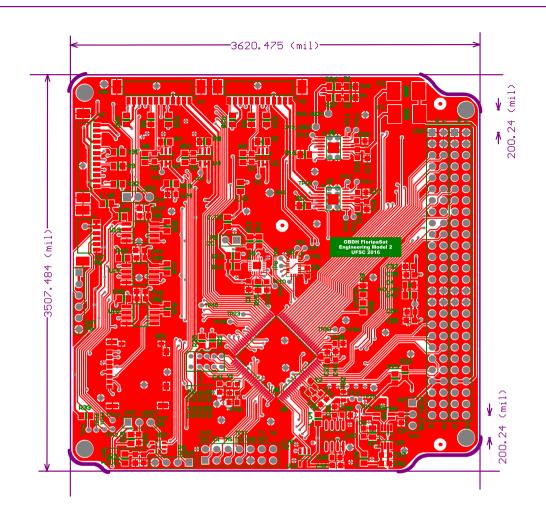
 Project:
 PCB_Eng_Model_OBDH_2.PrjPcb

 Variant:
 None

 Creation Date:
 26/11/2016
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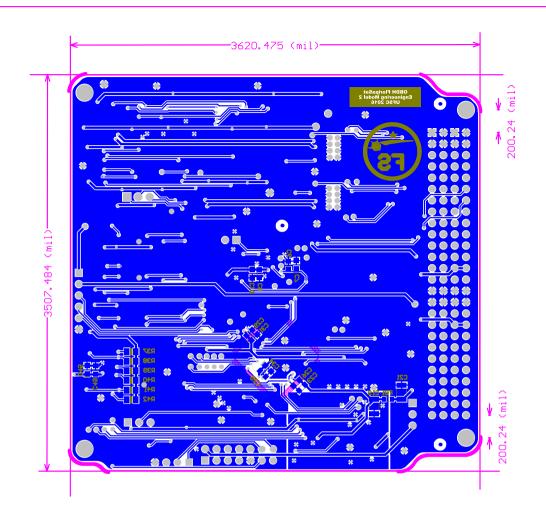
#Column Name	Footprint	Comment	PartNumber	Designator	Description	Quantity
	HDR12 PicoBlade	Header	53398-1271, 53398-1271,	+X, +Y, +Z	Header, 12-Pin	3
	- duplicate	12_PicoBlade	533981271	77, 71, 72	116ad61, 12-1 111	3
	CC0805	18pF/50V	CC0805JRNPO9BN180	C1. C3. C5	CAP CER 18pF 50V 5% X7R 0805	3
	CC0805	0.1uF/25V	CC0805KRX7R8BB104	C2, C4, C6, C8, C9, C12, C22, C23,	CAP CER 1.1UF 25V 10% X7R 0805	20
	CCU6US	0. IUF/23V	CC0605KKX/K6BB104	C25, C27, C29, C32, C33, C38, C48,	CAF CER 0.10F 25V 10% X/K 0805	20
				C49, C50, C51, C53, C54		
	CC0805_Tantalum	10uE/10\/	TPSP106M010R2000,	C7, C10, C13, C14, C26, C30, C31,	CAP Tantalum 10uF 10V 20% 0805, CAP	17
	CC00005_Taritalum	Todi / Tov	TPSP106M010R2000		Tantalum 10uF 10V 20% 0805, CAP	.,,
			TPSP106M010R2000,	C34, C35, C37, C40, C44, C45, C46, C47, C52, C55	Tantalum 10uF 10V 20% 0805, CAP	
			TPSP106M010R2000,	C47, C32, C33	Tantalum 10uF 10V 20% 0805, CAP	
			TPSR106K006R1000, TPSR106K006R1000.		Tantalum 10uF 6.3V 10% 0805, CAP Tantalum 10uF 6.3V 10% 0805, CAP	
			TPSR106K006R1000,		Tantalum 10uF 6.3V 10% 0805, CAP	
			TPSR106K006R1000,		Tantalum 10uF 6.3V 10% 0805, CAP	
			TPSR106K006R1000,		Tantalum 10uF 6.3V 10% 0805, CAP	
			TPSR106K006R1000,		Tantalum 10uF 6.3V 10% 0805, CAP	
			TPSR106K006R1000,		Tantalum 10uF 6.3V 10% 0805, CAP	
			TPSP106M010R2000,		Tantalum 10uF 10V 20% 0805, CAP	
			TPSP106M010R2000,		Tantalum 10uF 10V 20% 0805, CAP	
			TPSP106M010R2000,		Tantalum 10uF 10V 20% 0805, CAP	
			TPSP106M010R2000,		Tantalum 10uF 10V 20% 0805, CAP	
			TPSP106M010R2000,		Tantalum 10uF 10V 20% 0805, CAP	
			TPSR106K006R1000		Tantalum 10uF 6.3V 10% 0805	
1	CC0805	0.01uF/25V	CL21B103KAANNNC	C11, C39	CAP CER 0.01uF 25V 10% X7R 0805	2
1	CC0805	0.01uF/50V	CL21B103KAANNNC	C15, C16	CAP CER 0.01uF 50V 10% X7R 0805	2
1	CC0805	2.2uF/16V	C2012X7R1C225K125AB	C17, C18	CAP CER 2.2uF 16V 0805	2
1	CC1210	22uF/16V	C3225X7R1C226K250AC	C19, C21	CAP CER 22uF 16V 10% X7R 1210	2
	CC0805	0.047uF/25V	C0805C473J3GACTU	C20	CAP CER 0.047UF 25V 5% X7R 0805	1
	CC0805	0.022uF/50V	CGA4J2C0G1H223J125AA	C24	CAP CER 0.022UF 50V 5% X7R 0805	2 2 2 2 1 1 1 2 2 2 1 1 1 1 2 2 2 2 2
	CC0805	0.47uF/50V	C0805C474K5RACTU	C28	CAP CER 0.47UF 50V 10% X7R 0805	1
1	CC0805	12pF/50V	CL21C120FBANNNC	C36, C42	CAP CER 12pF 50V 0805	2
	CC0805	10pF/100V	08051A100FAT2A	C41, C43	CAP CER 10pF 100V 0805	2
	0805-LED	GREEN	LTST-C171GKT	D1, D4	SMD Green LED	2
	0805-LED	Red	LTST-C171KRKT	D2	SMD Green LED	1
	0805-LED	Orange	LTST-C170KFKT	D3	SMD Orange LED	1
	fuse	Fuse/4A	0437.375WR	F1, F2	Surface Mount Fuses SMD FA 4A	2
	IND0805	30R@100Mhz, 3A	BLM21PG300SN1D	FB1, FB2	Ferrite Bead 30 OHM 3A 100MHz	2
	0805	0R	CRCW08050000Z0EA	J_V1, J_V2, J_V3, J_V4, J_V5, J_V6,	RES 0R OHM 1/16W JUMPER 0805	18
				R1, R2, R3, R4, R5, R6, R8, R9, R10,		
				R13, R14, R15		
	HDR1X3	Header 3		P1, P7	Header, 3-Pin	2
	HDR2X7	Header 7X2		P2	Header, 7-Pin. Dual row	2
	HDR1X4	Header 4		P3	Header, 4-Pin	1
	HDR 1X3	Header 3H	4-103327-5	P4	Header, 3-Pin, Right Angle	1
	HDR1X2H	Header 2H	100027-0	P5	Header, 2-Pin, Right Angle	1
	HDR1X6H	Header 6H		P6	Header, 6-Pin, Right Angle	1
	HDR6 PicoBlade	Header on	53398-0671	P8	Header, 6-Pin, Right Angle	1
	HDR6 FICOBIAGE	6H_PicoBlade	33390-0071	F0	rieader, 6-Firi, Right Angle	'
	0805	1.65K	PCF0805R-1K65BT1	R7	RES 1.65K OHM 1/10W 0.1% 0805	
	0805	1.65K	CRCW080510K0FKEA		RES 10K OHM 1/8W 1% 0805	25
	0805	10K	CRCW080510K0FKEA	R11, R12, R20, R21, R22, R23, R24,	RES 10K OHM 1/8W 1% 0805	25
				R25, R29, R30, R31, R32, R33, R34,		
				R35, R37, R38, R39, R40, R41, R42,		
			L	R43, R44, R45, R46		
	0805	0.2R/200mW	RL1220S-R20-F	R16, R17	RES 0.2 OHM -0.2W 1% 0805, RES 0.2	2
1		l	L	L	OHM - 0.2W 1% 0805	
1	0805	47k	RC0805FR-0747KL	R18	RES 47k OHM 1/10W 1% 0805	1
1	0805	33k	RC0805FR-0733KL	R19	RES 33K OHM 1/10W 1% 0805	1
1	0805	1k	RC0805FR-071KL	R26, R27, R47	RES 1.0K OHM 1/8W 1% 0805	3 1
1	0805	330R	RC0805FR-07330RL	R28	RES 330R OHM 1/4W 1% 0805	1
1	1206 - ohmite	0.05R/0.5W	LVK12R050DER	RSense	Current Sense Resistors - SMD 0.05ohm	1
1			l		.5% 4 Terminal	
1	uSD_Card	WM12834CT-ND	WM12834CT-ND	SC1	MicroSD CARD Connector	1
1	SOT-23 6L	TLV341AIDBVR	TLV341AIDBVR	U1, U2, U4	TLV341AIDBVR	3
	MSOP-8	MAX9934TAUA+	MAX9934TAUA+	U3	MAX9934TAUA+	1
	LGA20	BMX055	1	U5		1
1	QFN24P300X300X	MPU-9250	MPU-9250	U6	SMD	1
1	105-25N		l	1	Gyroscope/Accelerometer/Magnetometer	
1	Ì		l		Sensor; 9-AXIS	
1	16TTSSOP	DRV8833PWPR	DRV8833PWPR	U7, U8	DRV8833PWPR	2
1	PZ0100A_N	MSP430F6659IPZ	MSP430F6659IPZR	U9	Imported	1
		R				
	DBV0005A_N	TPS3823-	TPS3823-33QDBVRQ1	U10	Processor Supervisory Circuit, 1 Supply	1
1	Ì	33QDBVRQ1	l	1	Monitored, -40 to 85 degC, 5-Pin SOT-23	
1	Ì		l	1	(DBV), Green (RoHS & no Sb/Br)	
1	SOIC-8	REF5030A-Q1	REF5030A-Q1	U11	REF5030A-Q1	1
	SOT-23 5L	OPA333AQDBVR	OPA333AQDBVRQ1	U12	Op Amps AC 1.8V17uA2uV microPwr	1
1		Q1	1	[CMOS	
1	SOIC8	IS25LP128-JBLE	IS25LP128-JBLE	U13, U14, U15	IC FLASH 128MBIT 133MHZ 8SOIC	3
1	PC104	PC104_INTERNAL		U16	PC104	3 1
	XTAL_ABM8X	32MHz 10ppm	ABM8X-102-32.000MHZ-T	Y1	32MHz ±10ppm Crystal 10pF 60 Ohm -	1
				1	40°C ~ 125°C	
	ABS06 0805	32.768kHz 12.5pF	ECS327-12.5-34S-TR	Y2	32.768kHz ±20ppm Crystal 12.5pF 70	- 1
1				[kOhm -40°C ~ 125°C	
				1		146
Approved		Notes				. 10
FF 100						



General SPEC:

Cupper base 10Z: PCB Material: FR4 PCB Tickness: 1.6mm PCB Surface: HAL

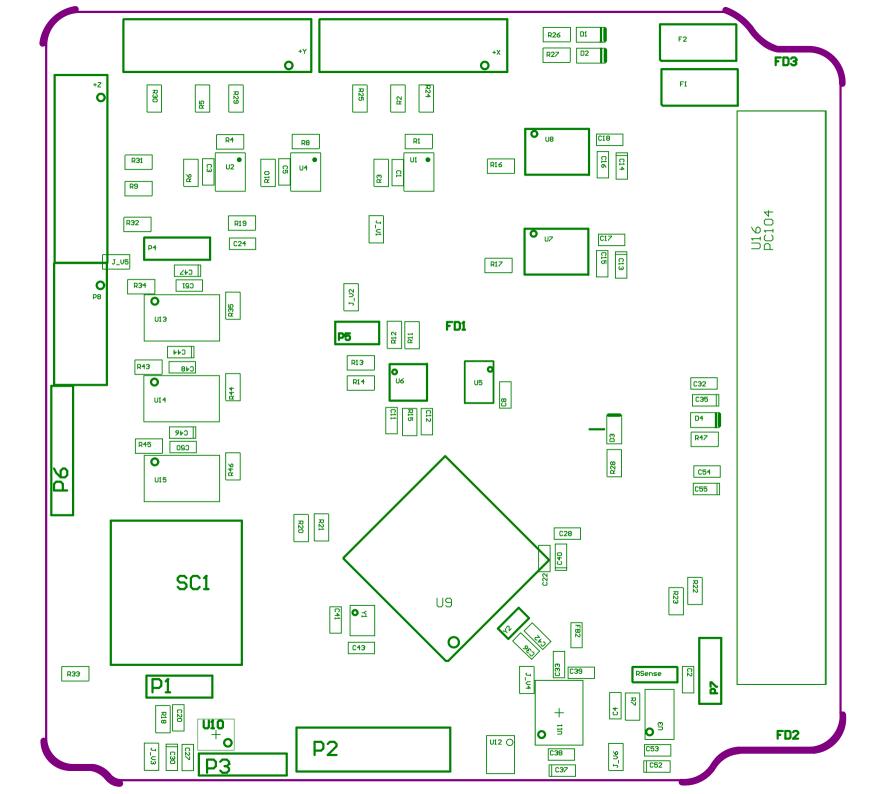
TITULO: OBDH 2016 Engineering Model 2 UFSC		REV. 01	VER.
MATERIAL: FR4	Silkscreen color: white		
Board Tickness: 1.6mm	Layers: 02	Drawing	DATE
PCB Surface: HAL		Sara Vega	18/11/2016



General SPEC:

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FD4

FD5

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CSI FBI GI

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