

# Bill of Materials

Bill of Materials For PCB Document [PCB\_OBDH\_ALT.PcbDoc]

Source Data From:	PCB_OBDH_ALT.PcbDoc
Project:	OBDH_Eng_Model_2_ALT.PriPcb
Variant:	None

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Footprint	Comment	LibRef	Designator	Description	Quantity
CC0805	1nF/16V	Cap_Cer_X7R_1nF_16V_0603	C1	CAP CER 1nF 16V 0603 5%	1
CC0805	0.47uF/50V	Cap_Cer_X7R_0.47uF_50V_0805	C2	CAP CER 0.47UF 50V 10% X7R 0805	1
CC0805	10pF/100V	Cap_Cer_X7R_10pF_100V_0805	C3, C4	CAP CER 10pF 100V 0805	2
CC0805	12pF/50V	Cap_Cer_X7R_12pF_50V_0805	C5, C6	CAP CER 12pF 50V 0805	2
CC1210	22uF/16V	Cap_Cer_X7R_0.01uF_16V_1210	C7, C8	CAP CER 22uF 16V 10% X7R 1210	2
CC0805_Tantalum	10uF/10V	Cap_Tant_SMD_10uF_6V3_0805, Cap_Tant_SMD_10uF_10V_0805	C9, C18, C19, C20, C22, C24, C26, C29	CAP Tantalum 10uF 6.3V 10% 0805, CAP Tantalum 10uF 10V 20% 0805	8
CC0805	0.1uF/25V	Cap_Cer_X7R_0.1uF_25V_0805	C10, C12, C13, C14, C15, C16, C17, C21, C23, C25, C27, C28, C36, C37	CAP CER 0.1UF 25V 10% X7R 0805	14
CC0805	0.01uF/25V	Cap_Cer_X7R_0.01uF_50V_0805	C11, C32, C34, C35	CAP CER 0.01uF 25V 10% X7R 0805	4
CC0805	100nF/50V	Cap_Cer_X7R_100nF_50V_0603	C30	CAP CER 100nF 50V 0603 10%	1
CC0805	4.7uF/25V	Cap_Cer_X7R_4.7uF_25V_0805	C31	CAP CER 4.7UF 25V 10% X7R 0805	1
0805-LED	Orange	LED/R_0603	D1, D2, D3, D4, D5, D6	SMD Orange LED	6
0805-LED	DNP	LED/G_0805	D7, D8	SMD Green LED	2
IND0805	30R@100Mhz, 3A	FB_30R_3A_100MHz_0805	FB1, FB2	Ferrite Bead 30 OHM 3A 100MHz	2
FEDU_0,8-TOP			FD8, FD8_1, FD8_2, FD9, FD9_1, FD9_2		6
0805	0R	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, J_V2, J_V3, J_V4, J_V5	RES 0R OHM 1/16W JUMPER 0805	19
HDR6 PicoBlade	6H_PicoBlade	Header 6H_PicoBlade	P1, P4	Header, 6-Pin, Right Angle	2
HDR2X7	Header 7x2	Header 7X2	P2	Header, 7-Pin, Dual row	1
FSI-110-03-X-D-AD	FSI-110-03-X-D-AD	FSI-110-03-X-D-AD	P3		1
HDR1X6H	Header 6H	Header 6H	P5	Header, 6-Pin, Right Angle	1
HDR 1X2	Header 2H	Header 2	P6	Header, 2-Pin	1
0805	47k	R27_5%_1/10W_0805	R1, R10, R11	RES 47k OHM 1/10W 1% 0805	3
0805	330R	R330R_1%_1/4W_0805	R2, R3, R4, R5, R6, R7	RES 330R OHM 1/4W 1% 0805	6
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	21
0805	12K	R1.65K_1%_1/10W_0805	R9, R37	RES 1.65K OHM 1/10W 0.1% 0805	2
0805	DNP	R1.0k_1%_1/8W_0805	R12, R13	RES 1.0K OHM 1/8W 1% 0805	2
0805	100k	R100k_1%_1/8W_0805	R18	RES 100K OHM 1/8W 1% 0805	1
0805	120R	R120R_1%_1/4W_0805	R19, R20	RES 120R OHM 1/8W 1% 0805	2
0805	1M	R1000k_1%_1/8W_0805	R_ESD	RES 1000K OHM 1/8W 1% 0805	1
1206 - ohmite	0.05R/0.5W	R0.05R_0.5%_0.5W_1206	RSense	Current Sense Resistors - SMD 0.05ohm .5% 4 Terminal	1
DBV0005A_N	TPS3823-33QDBVRQ1	CMP-0338-00011-2	U1	Processor Supervisory Circuit, 1 Supply Monitored, -40 to 85 degC, 5-Pin SOT-23 (DBV), Green (RoHS & no Sb/Br)	1
SOIC-8 MSOP-8	REF5030A-Q1 MAX9934TAUA+	REF5030A-Q1 MAX9934TAUA+	U2	REF5030A-Q1	1
			U3	MAX9934TAUA+	1
SOT-23 6L	TLV341AIDBVR	TLV341AIDBVR	U4	TLV341AIDBVR	1
SOIC127P10	MT25QL01GBB	MT25QL01GBB	U5	IC FLASH 1GBIT 108MHZ 16SOIC	1
32X265-16N	B8ESF-0SIT	B8ESF-0SIT			
SOIC8	TCA4311ADR	TCA4311ADR	U6, U7, U8	IC SIGNAL BUFFER I2C 8SOIC	3
PZ0100A_N	MSP430F6659I PZR_1	MSP430F6659I PZR_1	U9	Imported	1
SOIC8	THVD1451DR	THVD1451DR	U10	IC INTERFACE RS422_RS485 8SOIC	1
PC104	PC104_INTERNAL	PC104	U16	PC104	1
XTAL_ABM8X	32MHz 10ppm	XTAL_32MHz_SMD_4-SMD	Y1	32MHz ±10ppm Crystal 10pF 60 Ohm -40°C ~ 125°C	1
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	1
					129
Approved		Notes			