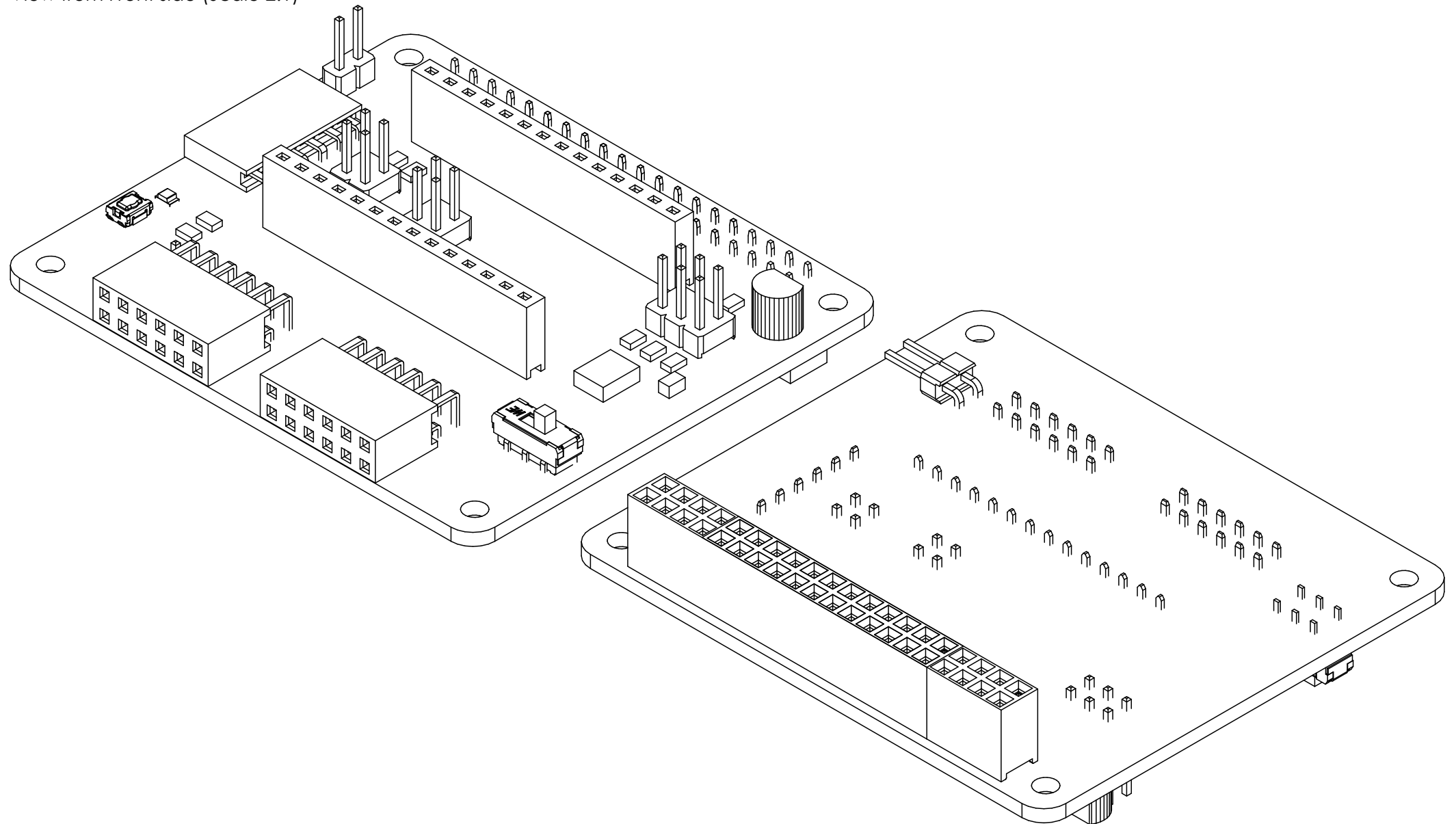


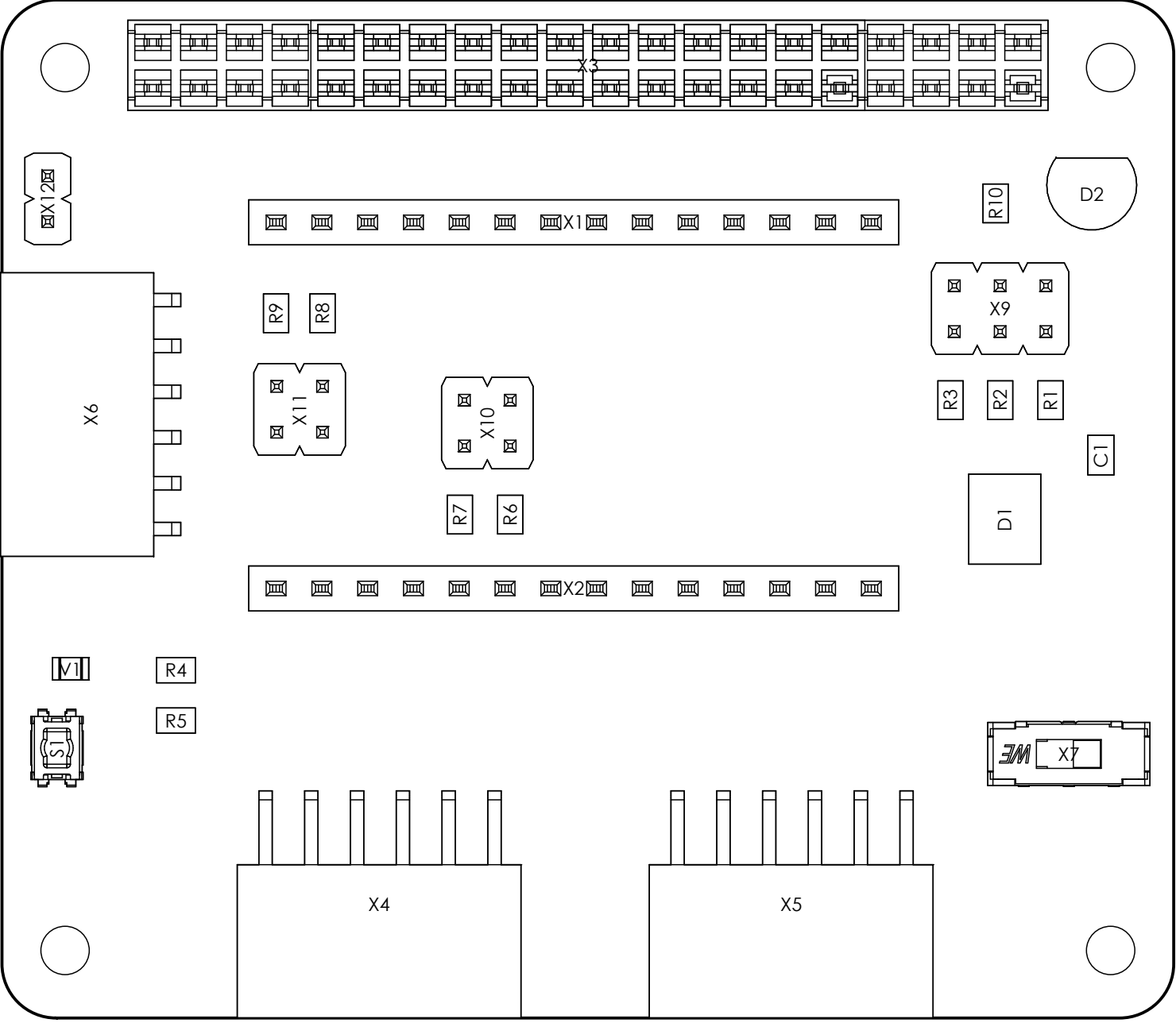
MDDS BaseBoard Rev. 5 Bestückungsplan

View from Front side (Scale 2:1)



View from Back side (Scale 2:1)

View from Top side (Scale 3)



Bill Of Materials

Line #	Designator	Name	Quantity	Description
	R1	1k	1	Resistor 0805 5% 0.125W
	R2, R3	3.9k	2	Resistor 0805 5% 0.125W
	R6, R7, R8, R9, R10	4.7k	5	Resistor 0805 5% 0.125W
	R5	12k	1	Resistor 0805 5% 0.125W
	C1	100n	1	Capacitor
	R4	680R	1	Resistor 0805 5% 0.125W
	S1	434153017835	1	3.5x2.9mm SMD J-Bend WS-TASV, height 1.7 mm, 350 gf
	D2	DS18B20+	1	Programmable Resolution Digital Thermometer, 1-Wire Interface, ±0.5°C Accuracy, 3-Pin TO92, -55°C to +125°C, Pb-Free
	X12	GND	1	WR-PHD 2.54 mm THT Pin Header, 02p
	X11	I2C1 Pull Up Jumper	1	WR-PHD 2.54 mm THT Dual Pin Header, 04p
	X10	I2C2 Pull Up Jumper	1	WR-PHD 2.54 mm THT Dual Pin Header, 04p
	X7	I/O Power Source Select	1	WS-SLTV THT Mini Slide Switch, Same Side Connection, DPDT
		Jumper	4	2 Position Jumper with test point
	V1	LED Green 2mA	1	SMD LED green 0805 2mA
2	D1	M24C32RMN1	1	32 Kbit Serial I²C Bus EEPROM
9	X1	MAX1000 left (J1)	1	WR-PHD 2.54 mm Socket Header, 14p
10	X2	MAX1000 right (J2)	1	WR-PHD 2.54 mm Socket Header, 14p
11	X3	Raspberry Pi 3 Connector	1	GPIO Header for Raspberry Pi A+/B+/Pi 2/Pi 3 - 2x20
12	X4	PMOD1	1	WR-PHD 2.54 mm Angled Dual Socket Header, 12p

[illegible]