

# BOM for Zwickau Adapter Board

Part	Value	Device	Package	Description
C1	100n	C-SMD1206	C1206	SMD-Capacitor
C2	10 $\mu$	ELKO-SMDC	CT6032-C	Tantal-SMD-Elko
C3	1 $\mu$	ELKO-SMDA	CT3216-A	Tantal-SMD-Elko
C4	1 $\mu$	ELKO-SMDA	CT3216-A	Tantal-SMD-Elko
C5	100n	C-SMD1206	C1206	SMD-Capacitor
C6	100n	C-SMD1206	C1206	SMD-Capacitor
C7	100n	C-SMD1206	C1206	SMD-Capacitor
C8	100n	C-SMD1206	C1206	SMD-Capacitor
C9	100n	C-SMD1206	C1206	SMD-Capacitor
C10	100n	C-SMD1206	C1206	SMD-Capacitor
C11	100n	C-SMD1206	C1206	SMD-Capacitor
D1	LED8	LED8	LZR188	ZAQS0807
IC1		2937IMP-3,3	SOT223	Voltage Regulator 3,3V
IC2	TLV2462	TLV2462ID	SO08	Dual OPAMP
IC3	SN74LVT244BDW	SN74LVT244BDW	SOIC20	8x LED driver
IC4	MAX232	MAX232	SO16	Transceiver RS 2312
IC5	TLV5617A	TLV5617A	SO08	Dual 10-Bit-DAC
IC6	M95080	M95080	SO08	serial EEPROM
IC7	DS1621	DS1621	SO08	temperature sensor
IC8	SN65HVD230D	SN65HVD230D	SO08	CAN-High-speed
IC9	74LCX14	74LCX14	SO14	Schmitt- Trigger CAN-H
IC10	TJA1054A	TJA1054A	SO14	CAN – Low speed
IC11		LD1117S33C	SOT223	Voltage Regulator 3.3V
IC12	TLV2462	TLV2462ID	SO08	Dual OPAMP
JP1		JP2E	JP2	JUMPER
JP2		JP2E	JP2	JUMPER
JP3		JP1E	JP1	JUMPER
JP4		JP2E	JP2	JUMPER
JP5		JP2E	JP2	JUMPER
JP6		JP2E	JP2	JUMPER
JP7		JP1E	JP1	JUMPER
JP8		JP1E	JP1	JUMPER
P2		FE30-2FE30-2MIR	FE30-2MIR	FEMALE HEADER
P4		FE20-1FE20R	FE20-ROUND	FEMALE HEADER
P5		FE10-1FE10R	FE10-ROUND	FEMALE HEADER
P7		FE10-1FE10R	FE10-ROUND	FEMALE HEADER
P8		FE20-2FE20-2MIR	FE20-2MIR	FEMALE HEADER
P9		FE10-2FE10-2MIR	FE10-2MIR	FEMALE HEADER
R1	10k	TRIM_EU-RS3	RS3	POTENTIOMETER
R2	10k	TRIM_EU-RS3	RS3	POTENTIOMETER
R3	1k	R-EU_R1206	R1206	RESISTOR
R4	1k	R-EU_R1206	R1206	RESISTOR
R5	150	R-EU_R1206	R1206	RESISTOR
R6	150	R-EU_R1206	R1206	RESISTOR
R7	100k	R-EU_R1206	R1206	RESISTOR
R8	2,2k	R-EU_R1206	R1206	RESISTOR
R9	100k	R-EU_R1206	R1206	RESISTOR
R10	2,2k	R-EU_R1206	R1206	RESISTOR

R11	4,7k	R-EU_R1206	R1206	RESISTOR
R12	10k	R-EU_R1206	R1206	RESISTOR
R13	10k	R-EU_R1206	R1206	RESISTOR
R14	47k	R-EU_R1206	R1206	RESISTOR
R15	4,7k	R-EU_R1206	R1206	RESISTOR
R16	1k	R-EU_R1206	R1206	RESISTOR
R17	22	R-EU_R1206	R1206	RESISTOR
R18	100	R-EU_M1206	M1206	RESISTOR
R19	100	R-EU_M1206	M1206	RESISTOR
R20	120	R-EU_R1206	R1206	RESISTOR
R21	4,7k	R-EU_M1206	M1206	RESISTOR
R22	1,2k	R-EU_M1206	M1206	RESISTOR
R23	4,7k	R-EU_M1206	M1206	RESISTOR
R24	520	R-EU_M1206	M1206	RESISTOR
R25	520	R-EU_M1206	M1206	RESISTOR
RN1	82	G08R	SIL9	SIL RESISTOR
RN2	100k	G08R	SIL9	SIL RESISTOR
RN3	2,2k	G08R	SIL9	SIL RESISTOR
RN4	100K	G08R	SIL9	SIL RESISTOR
S1		BUTTON	TA	
S2		BUTTON	TA	
S3		DS08	DS-08	DIL/CODE SWITCH
SP1	F/PMW04A	F/PMX04	F/PMX04A	SPEAKER
U\$1	SMD-SO20	SMD-SO20	SO20	
V1	BC849	BC849SMD	SOT23-BEC	NPN Transistor
X1	RS232	F09HP	F09HP	SUB-D
X2	CAN-H	M09HP	M09HP	SUB-D
X3	CAN-L	MDSSV-BC04	SSV-BC04	YAMAICHICONNECTOR