X1 ZA16 — RS485-0p, RS485-0m, RS485-1p, RS485-1m, SWUnreg, Unreg, DCF, P5, GND, N, L
Case (Heidenreich)

T1 BCP53 — R3* 15 — Unreg — D1 BAV99
T2 BC846B — R9 10k — MPowerOn
R8* 10k
* If termination is used:
R3=6R8
R8=4k7

U11A ILCT6 — R29 330
U11B ILCT6 — R30 330

U1 Adeunis ARF32 — VCC, NC, Reset, GND, CTS, TxD, RxD, RTS, GND
R1 3k3 — CTSBT
R2 3k3 — TxDBT
R4 3k3 — RTSBT
R5 4k7, R6 4k7, R7 4k7
Bluetooth-Version only

U2 MAX232ACWE — Doubler, Invert
C1 100n, C2 100n, C3 100n, C4 100n
TxD24, RTS24, CTS24, RxD24

X3 AWP20

X8 IDC10
Connections
AWP – DSUB
1 – 1
2 – 6
3 – 2
4 – 7
5 – 3
6 – 8
7 – 4
8 – 9
9 – 5
10 – NC

U3 ATmega128
P5-CPU
MPowerOn, DCF, Signal1, Signal2, LRED, LYELLOW, LGREEN, LBLUE
PA0 (AD0) … PA7 (AD7)
(SCL/INT0) PD0, (SDA/INT1) PD1, (RxD1/INT2) PD2, (TxD1/INT3) PD3, (IC1) PD4, (XCK1) PD5, (T1) PD6, (T2) PD7
DE1, RxD1, TxD1, RTS1, CTS1, P3on
Key, SCK, MOSI, MISO, LEDPWM, LCDV0PWM, AnalogPWM
PB0 (SS) … PB7 (OC2/OC1C)
(RxD0/PDI) PE0, (TxD0/PDO) PE1, (XCL0/AIN0) PE2, (OC3A/AIN1) PE3, (OC3B/INT4) PE4, (OC3C/INT5) PE5, (T3/INT6) PE6, (IC3/INT7) PE7
RxD0, TxD0, DE0
PC0 (A8) … PC7 (A15)
(ADC0) PF0 … (ADC3) PF3, (TCK/ADC4) PF4, (TMS/ADC5) PF5, (TDO/ADC6) PF6, (TDI/ADC7) PF7
Temp, P5m, Unregm, SwUnregm
RESET, PEN, XTAL1, XTAL2
AVCC, AREF, (WR) PG0, (RD) PG1, (ALE) PG2, (TOSC2) PG3, (TOSC1) PG4
C7 15p, C9 15p, Q1 3.6864MHz, C8 1u

S1 Apem PHAP3305B

PR1 EPM121

U4 MAX483 — R10 120 — X4 — RS485-1m, RS485-1p — To Host
U5 MAX483 — R11 120 — X5 — RS485-0m, RS485-0p — To Sensor

X11 — P3m
X6 AWP10 JTAG — P5, ResetN

X7 AWP6 — RXD0, TXD0, SCK, ResetN

R13 1M — BkLight
U6 162C LED — L1, L2, RS, R/W, E, DB0–DB7
C5 10u, R12 4R7, R14 1k, T3 BCP56, C6 1u
U10B TLC272

D3 VLMS1300 — R31 330 — LRED
D4 VLMY1300 — R32 330 — LYELLOW
D5 VLMTG1300 — R33 220 — LGREEN
D6 VLMB1310 — R34 330 — LBLUE
X9

U10A TLC272 — AnalogPWM, R36 1M
D7 BAV99 — R37 1k — BkLight
X12 — Analog Out
C20 100n, C19 100n, R35 27k

R15 47k — Temp
R16 8k2 — P5m
R17 68k — Unregm
R18 68k — SwUnregm
R19 8k2 — P3m — Bluetooth-Version only
R20 10k, R21 4k7, R22 4k7, R23 4k7, R24 4k7

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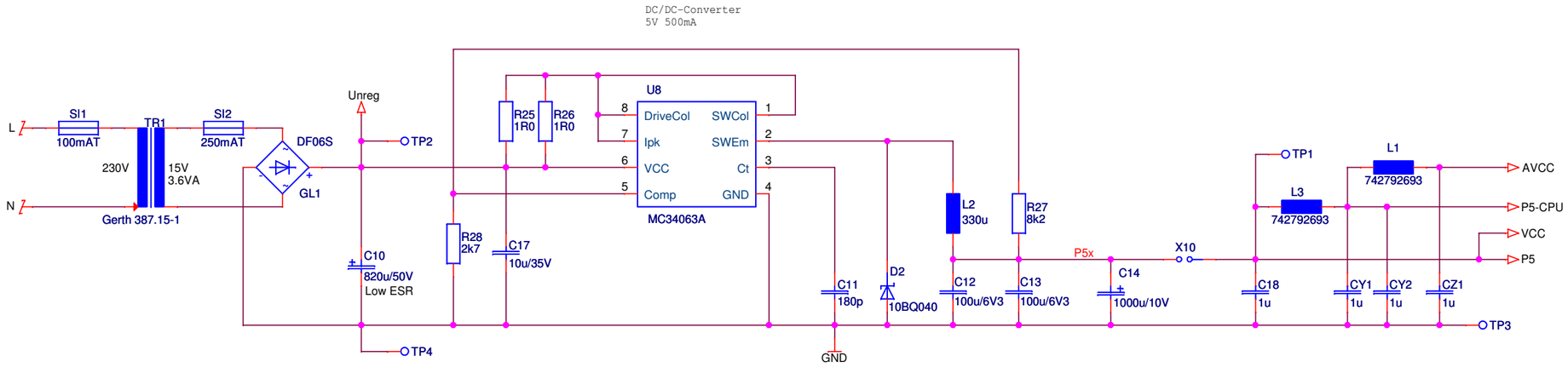

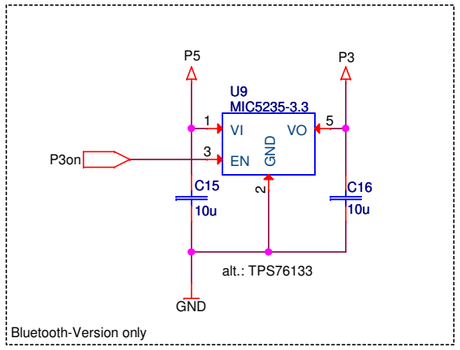

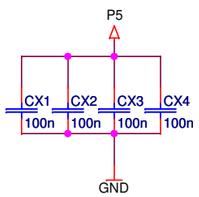

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