bus—module on backside
connectors for heatervalve on frontside

+5V   +24V

MOD1
bus—module_attiny1634_revB

VCC VCC   24V 24V
14   13   4   3

5   PA0_AREF   /RESET   15
6   PA1   PC2_INT0   16
7   PA2   PB3   19
8   PA3   MISO   17   RXD
9   PA4   MOSI   18   TXD
10 PA5   SCK   20

GND GND GND GND
12   11   2   1

J1
CONN_2X1
+5V   D1
BAT54S
1
2   R1
4k7

J2
CONN_2X1
+5V   D2
BAT54S
1
2   R2
4k7

+3.3V

J5
CONN_6X1
1   STM8 TXD
2   STM8 RXD
3   GND
4   3,3V
5   STM8 RESET
6   STM8 SWIM

R3 4k7

R4 9k1

U1
AM1S—2403

+24V   +3.3V

2   VIN+   VOUT+   4
1   VIN−   VOUT−   3

C1
470µF
35V
+−10%

C2
100µF
16V
+−10%

J6
CONN_5X2
STM8_RST   1   2
            3   4
STM8_SWIM   5   6
            7   8
            9   10

LOGO1
OPEN_HARDWARE_1

koewiba
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Title: heatervalve−interface
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