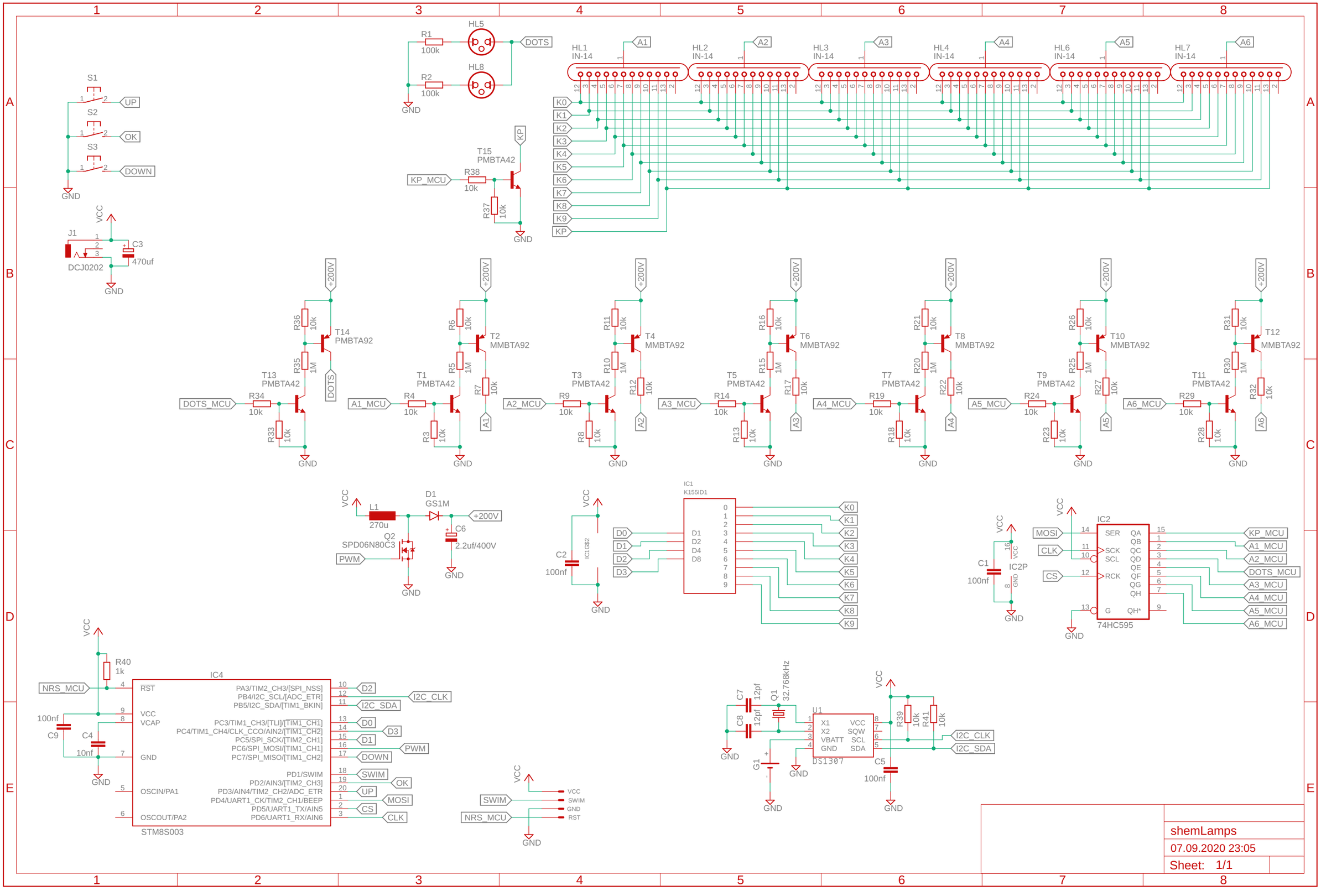
S1
S2
S3
UP
OK
DOWN
GND
VCC
J1
DCJ0202
C3
470uf
HL5
HL8
R1
R2
100k
DOTS
HL1 IN-14
HL2 IN-14
HL3 IN-14
HL4 IN-14
HL6 IN-14
HL7 IN-14
A1
A2
A3
A4
A5
A6
K0
K1
K2
K3
K4
K5
K6
K7
K8
K9
KP
T15 PMBTA42
KP_MCU
R38
10k
R37
+200V
T14 PMBTA92
T13 PMBTA42
R36
R35
1M
R34
R33
DOTS_MCU
T2 MMBTA92
T1 PMBTA42
R6
R5
R7
R4
R3
A1_MCU
T4 MMBTA92
T3 PMBTA42
R11
R10
R12
R9
R8
A2_MCU
T6 MMBTA92
T5 PMBTA42
R16
R15
R17
R14
R13
A3_MCU
T8 MMBTA92
T7 PMBTA42
R21
R20
R22
R19
R18
A4_MCU
T10 MMBTA92
T9 PMBTA42
R26
R25
R27
R24
R23
A5_MCU
T12 MMBTA92
T11 PMBTA42
R31
R30
R32
R29
R28
A6_MCU
L1
270u
D1
GS1M
C6
2.2uf/400V
Q2
SPD06N80C3
PWM
C2
100nf
IC1
K155ID1
D0
D1
D2
D3
IC2
74HC595
MOSI
CLK
CS
SER
SCK
SCL
RCK
G
QA
QB
QC
QD
QE
QF
QG
QH
QH*
C1
IC2P
R40
1k
IC4
STM8S003
NRS_MCU
RST
VCC
VCAP
GND
OSCIN/PA1
OSCOUT/PA2
PA3/TIM2_CH3/[SPI_NSS]
PB4/I2C_SCL/[ADC_ETR]
PB5/I2C_SDA/[TIM1_BKIN]
PC3/TIM1_CH3/[TLI]/[TIM1_CH1]
PC4/TIM1_CH4/CLK_CCO/AIN2/[TIM1_CH2]
PC5/SPI_SCK/[TIM2_CH1]
PC6/SPI_MOSI/[TIM1_CH1]
PC7/SPI_MISO/[TIM1_CH2]
PD1/SWIM
PD2/AIN3/[TIM2_CH3]
PD3/AIN4/TIM2_CH2/ADC_ETR
PD4/UART1_CK/TIM2_CH1/BEEP
PD5/UART1_TX/AIN5
PD6/UART1_RX/AIN6
I2C_CLK
I2C_SDA
SWIM
C9
C4
10nf
100nf
C7
C8
12pf
Q1
32.768kHz
G1
U1
DS1307
X1
X2
VBATT
SQW
SCL
SDA
R39
R41
C5
shemLamps
07.09.2020 23:05
Sheet: 1/1