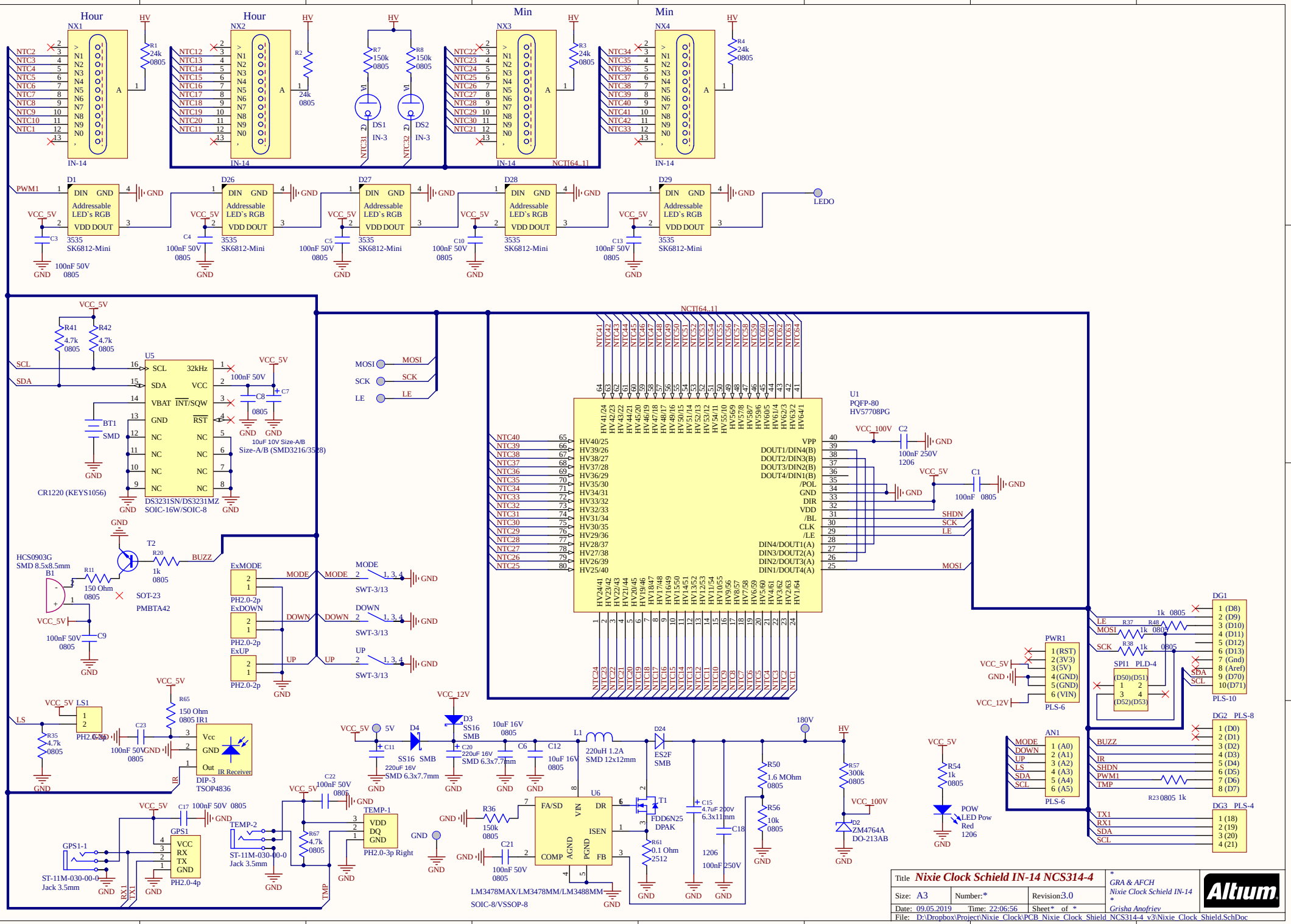
Hour
Hour
Min
Min
NX1
NX2
NX3
NX4
IN-14
HV
R1 24k 0805
R2 24k 0805
R3 24k 0805
R4 24k 0805
R7 150k 0805
R8 150k 0805
DS1 IN-3
DS2 IN-3
NCTI64..11
D1
D26
D27
D28
D29
DIN GND
Addressable LED`s RGB
VDD DOUT
3535 SK6812-Mini
VCC_5V
GND
LEDO
PWM1
C3 100nF 50V 0805
C4 100nF 50V 0805
C5 100nF 50V 0805
C10 100nF 50V 0805
C13 100nF 50V 0805
R41 4.7k 0805
R42 4.7k 0805
U5
SCL
SDA
32kHz
VCC
VBAT
INT/SQW
RST
NC
C8 100nF 50V 0805
C7 10uF 10V Size-A/B
Size-A/B (SMD3216/3528)
BT1 CR1220 (KEYS1056)
SMD
DS3231SN/DS3231MZ
SOIC-16W/SOIC-8
MOSI
SCK
LE
U1
PQFP-80
HV57708PG
VPP
DOUT1/DIN4(B)
DOUT2/DIN3(B)
DOUT3/DIN2(B)
DOUT4/DIN1(B)
/POL
DIR
VDD
/BL
CLK
/LE
DIN4/DOUT1(A)
DIN3/DOUT2(A)
DIN2/DOUT3(A)
DIN1/DOUT4(A)
VCC_100V
C2 100nF 250V 1206
C1 100nF 0805
SHDN
T2 HCS0903G SMD 8.5x8.5mm
B1
R11 150 Ohm 0805
R20 1k 0805
BUZZ
SOT-23 PMBTA42
C9 100nF 50V 0805
ExMODE
ExDOWN
ExUP
PH2.0-2p
MODE
DOWN
UP
SWT-3/13
LS1
R35 4.7k 0805
C23 100nF 50V 0805
R65 150 Ohm 0805
IR1
IR Receiver
DIP-3 TSOP4836
LS
IR
C17 100nF 50V 0805
GPS1
VCC RX TX GND
PH2.0-4p
GPS1-1
ST-11M-030-00-0 Jack 3.5mm
RX1
TX1
TEMP-2
ST-11M-030-00-0 Jack 3.5mm
C22 100nF 50V 0805
R67 4.7k 0805
TMP
TEMP-1
VDD DQ GND
PH2.0-3p Right
5V
D4 SS16 SMB
C11 220uF 16V SMB 6.3x7.7mm
D3 SS16 SMB
C20 220uF 16V SMB 6.3x7.7mm
10uF 16V 0805
C6
C12 10uF 16V 0805
L1 220uH 1.2A SMD 12x12mm
D24 ES2F SMB
180V
HV
U6
FA/SD
VIN
DR
ISEN
COMP
AGND
PGND
FB
R36 150k 0805
C21 100nF 50V 0805
T1 FDD6N25 DPAK
R61 0.1 Ohm 2512
C15 4.7uF 200V 6.3x11mm
C18 1206 100nF 250V
R50 1.6 MOhm 0805
R56 10k 0805
R57 300k 0805
D2 ZM4764A DO-213AB
LM3478MAX/LM3478MM/LM3488MM
SOIC-8/VSSOP-8
R54 1k 0805
POW LED Pow Red 1206
PWR1
PLS-6
AN1
MODE
DOWN
UP
LS
SDA
SCL
DG1
PLS-10
R37 1k 0805
R48 1k 0805
R38 1k 0805
SP11 PLD-4
DG2 PLS-8
BUZZ
IR
SHDN
PWM1
TMP
R23 0805 1k
DG3 PLS-4
TX1
RX1
Title Nixie Clock Schield IN-14 NCS314-4
Size: A3
Number:*
Revision:3.0
Date: 09.05.2019
Time: 22:06:56
Sheet* of *
File: D:\Dropbox\Project\Nixie_Clock\PCB_Nixie_Clock_Shield_NCS314-4_v3\Nixie_Clock_Shield.SchDoc
GRA & AFCH
Nixie Clock Schield IN-14
Grisha Anofriev
Altium