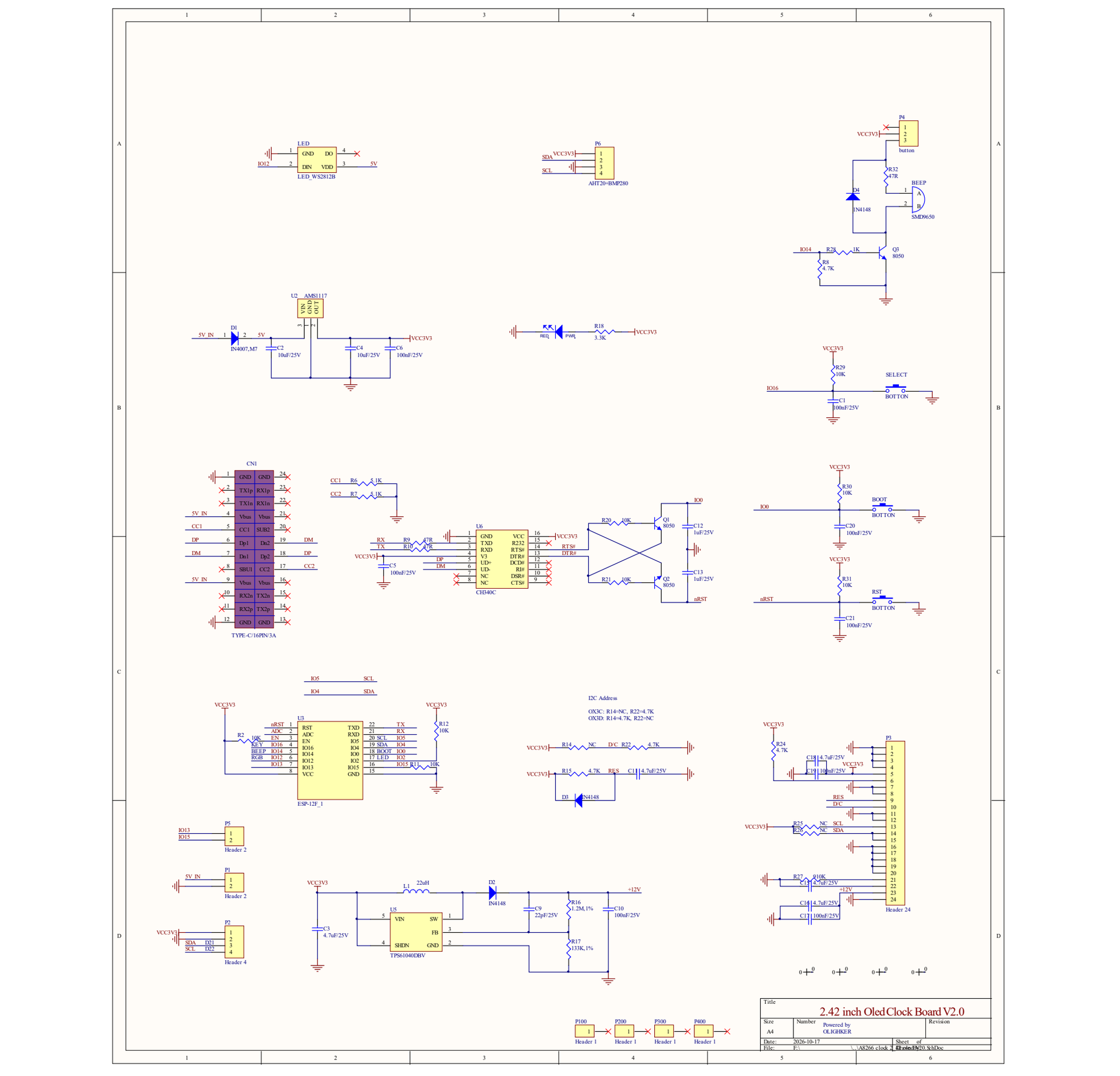

LED
GND DO
DIN VDD
IO12
5V
LED_WS2812B
P6
SDA
SCL
VCC3V3
AHT20+BMP280
P4
button
R32
47R
BEEP
D4
1N4148
SMD9650
IO14
R28
1K
Q3
8050
R8
4.7K
U2 AMS1117
VIN GND OUT
5V_IN
D1
IN4007,M7
C2
10uF/25V
C4
10uF/25V
C6
100nF/25V
VCC3V3
RED
PWR
R18
3.3K
VCC3V3
R29
10K
SELECT
IO16
C1
100nF/25V
BOTTON
CN1
GND GND
TX1p RX1p
TX1n RX1n
Vbus Vbus
CC1 SUB2
Dp1 Dn2
Dn1 Dp2
SBU1 CC2
Vbus Vbus
RX2n TX2n
RX2p TX2p
GND GND
TYPE-C/16PIN/3A
CC1 R6 5.1K
CC2 R7 5.1K
U6
GND VCC
TXD R232
RXD RTS#
V3 DTR#
UD+ DCD#
UD- RI#
NC DSR#
NC CTS#
CH340C
RX R9 47R
TX R10 47R
C5
100nF/25V
DP
DM
RTS#
DTR#
R20 10K
R21 10K
Q1
8050
Q2
8050
IO0
C12
1uF/25V
C13
1uF/25V
nRST
VCC3V3
R30
10K
BOOT
IO0
C20
100nF/25V
R31
10K
RST
nRST
C21
100nF/25V
IO5 SCL
IO4 SDA
U3
nRST ADC EN IO16 IO14 IO12 IO13
RST ADC EN IO16 IO14 IO12 IO13 VCC
TXD RXD IO5 IO4 IO0 IO2 IO15 GND
TX RX SCL SDA BOOT LED IO15
R2 10K
R12 10K
R11 10K
ESP-12F_1
I2C Address
OX3C: R14=NC, R22=4.7K
OX3D: R14=4.7K, R22=NC
R14 NC D/C R22 4.7K
R15 4.7K RES C11 4.7uF/25V
D3 IN4148
P5
IO13
IO15
Header 2
P1
5V_IN
Header 2
P2
SDA D21
SCL D22
Header 4
L1 22uH
D2
IN4148
U5
VIN SW
FB
SHDN GND
TPS61040DBV
C3
4.7uF/25V
C9
22pF/25V
C10
100nF/25V
R16
1.2M,1%
R17
133K,1%
+12V
R24
4.7K
C18 4.7uF/25V
C19 100nF/25V
P3
RES
D/C
R25 NC SCL
R26 NC SDA
R27 R10K
C15 4.7uF/25V
C16 4.7uF/25V
C17 100nF/25V
Header 24
P100
P200
P300
P400
Header 1
Title
2.42 inch Oled Clock Board V2.0
Size
A4
Number
Powered by
OLIGHKER
Revision
Date: 2026-10-17
Sheet of
File: F:\...\A8266 clock 2.42 inch\V2.0\V2.0.SchDoc
Drawn By: