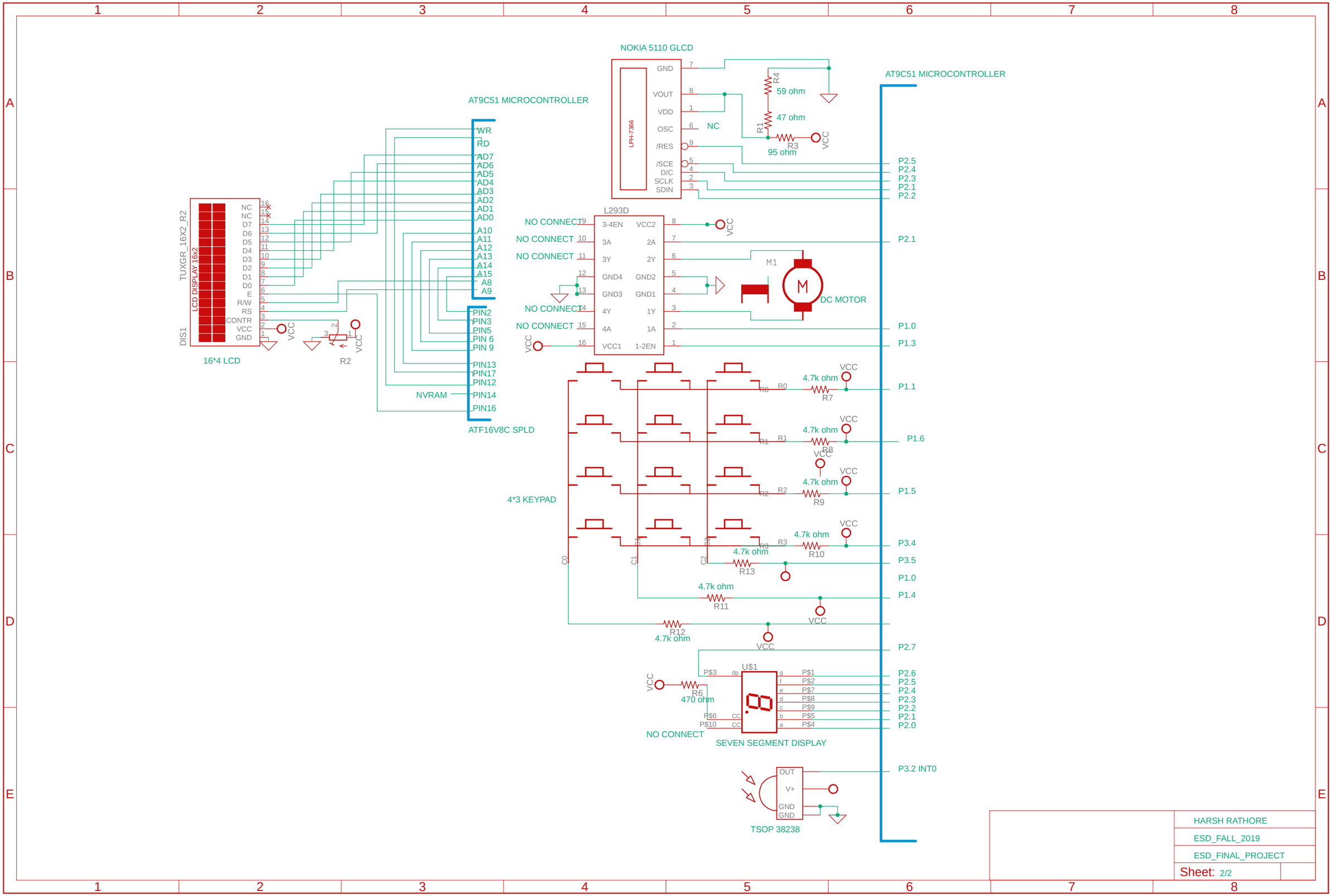
NOKIA 5110 GLCD
LPH-7366
GND
VOUT
VDD
OSC
/RES
/SCE
D/C
SCLK
SDIN
NC
R4
59 ohm
47 ohm
R1
R3
95 ohm
VCC
AT9C51 MICROCONTROLLER
P2.5
P2.4
P2.3
P2.1
P2.2
AT9C51 MICROCONTROLLER
WR
RD
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
A10
A11
A12
A13
A14
A15
A8
A9
PIN2
PIN3
PIN5
PIN 6
PIN 9
PIN13
PIN17
PIN12
PIN14
PIN16
NVRAM
ATF16V8C SPLD
TUXGR_16X2_R2
LCD DISPLAY 16x2
DIS1
NC
NC
D7
D6
D5
D4
D3
D2
D1
D0
E
R/W
RS
CONTR
VCC
GND
16*4 LCD
R2
L293D
NO CONNECT
3-4EN
VCC2
3A
2A
3Y
2Y
GND4
GND2
GND3
GND1
4Y
1Y
4A
1A
VCC1
1-2EN
M1
M
DC MOTOR
P2.1
P1.0
P1.3
4*3 KEYPAD
R0
R1
R2
R3
C0
C1
C2
4.7k ohm
R7
R8
R9
R10
R13
R11
R12
P1.1
P1.6
P1.5
P3.4
P3.5
P1.0
P1.4
P2.7
U$1
P$3
dp
P$6
CC
P$10
CC
P$1
P$2
P$7
P$8
P$9
P$5
P$4
g
f
e
d
c
b
a
R6
470 ohm
P2.6
P2.5
P2.4
P2.3
P2.2
P2.1
P2.0
SEVEN SEGMENT DISPLAY
OUT
V+
GND
GND
TSOP 38238
P3.2 INT0
HARSH RATHORE
ESD_FALL_2019
ESD_FINAL_PROJECT
Sheet: 2/2