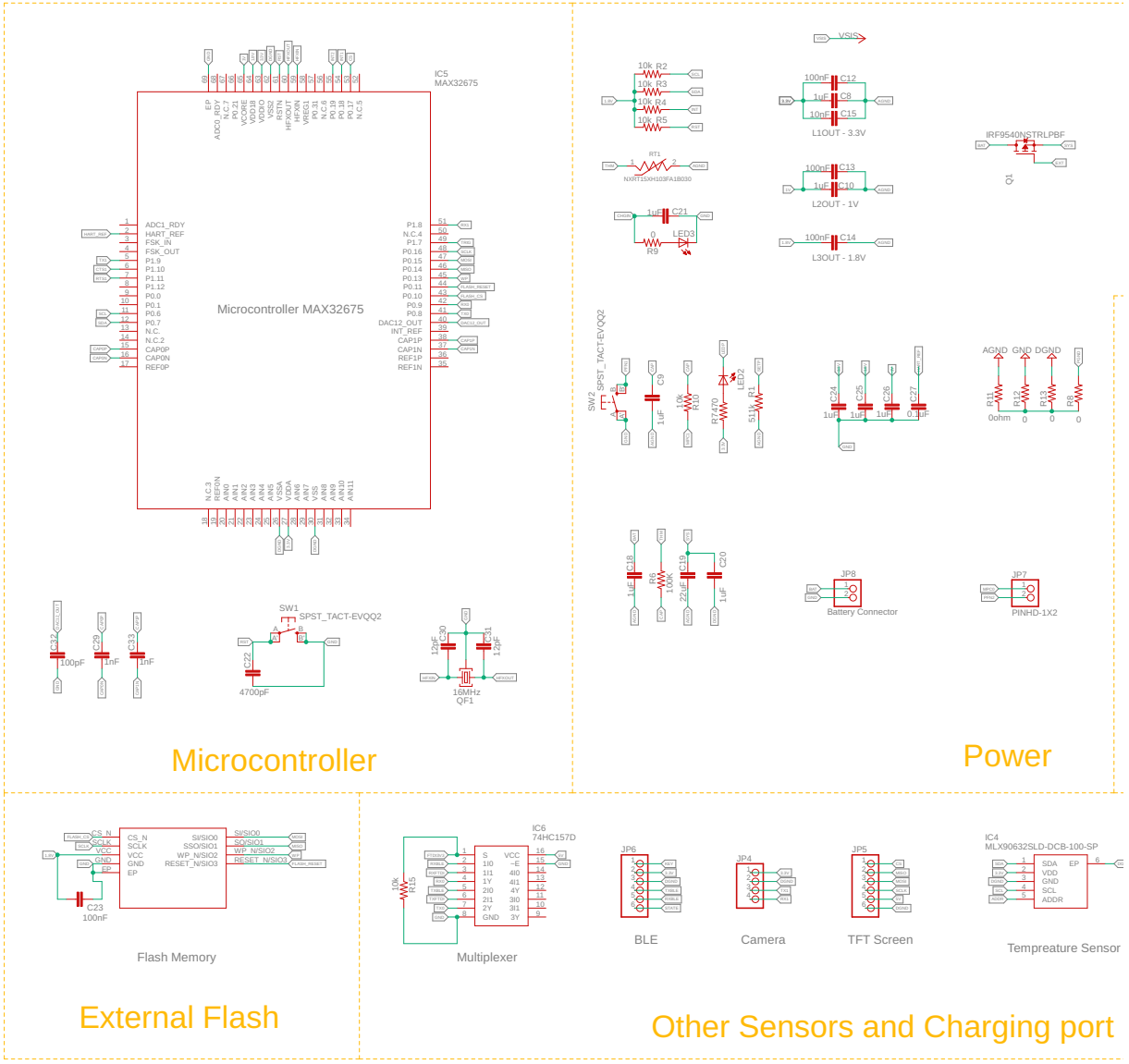
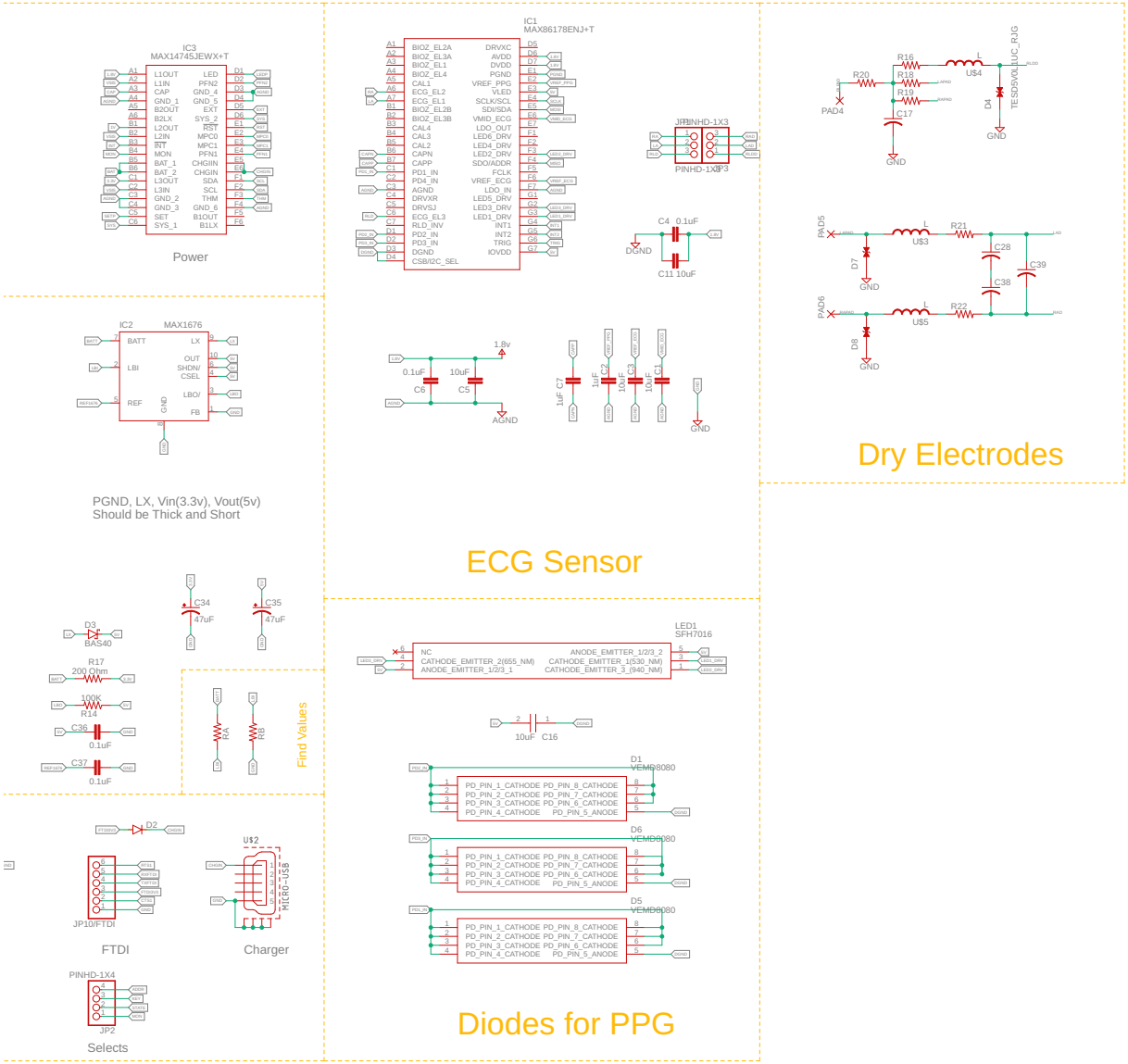

IC5
MAX32675
Microcontroller MAX32675
ADC1_RDY
HART_REF
FSK_IN
FSK_OUT
P1.9
P1.10
P1.11
P1.12
P0.0
P0.1
P0.6
P0.7
N.C.
N.C.2
CAP0P
CAP0N
REF0P
P1.8
N.C.4
P1.7
P0.16
P0.15
P0.14
P0.13
P0.11
P0.10
P0.9
P0.8
DAC12_OUT
INT_REF
CAP1P
CAP1N
REF1P
REF1N
SW1
SPST_TACT-EVQQ2
C32
100pF
C29
1nF
C33
1nF
C22
4700pF
C30
12pF
C31
12pF
16MHz
QF1
Microcontroller
10k R2
10k R3
10k R4
10k R5
NXRT15XH103FA1B030
1uF C21
R9
LED3
VSIS
100nF C12
1uF C8
10nF C15
L1OUT - 3.3V
100nF C13
1uF C10
L2OUT - 1V
100nF C14
L3OUT - 1.8V
IRF9540NSTRLPBF
Q1
SW2
SPST_TACT-EVQQ2
C9
1uF
R10
R7470
LED2
R1
51k
C24
1uF
C25
1uF
C26
1uF
C27
0.1uF
AGND GND DGND
R11
0ohm
R12
0
R13
0
R8
0
C18
1uF
R6
100k
C19
22uF
C20
1uF
JP8
Battery Connector
JP7
PINHD-1X2
Power
CS_N
SCLK
VCC
GND
EP
SI/SIO0
SO/SIO1
WP_N/SIO2
RESET_N/SIO3
C23
100nF
Flash Memory
External Flash
IC6
74HC157D
R5
0k
Multiplexer
JP6
BLE
JP4
Camera
JP5
TFT Screen
IC4
MLX90632SLD-DCB-100-SP
SDA
VDD
GND
SCL
ADDR
Tempreature Sensor
Other Sensors and Charging port


IC3
MAX14745JEWX+T
Power
IC1
MAX86178ENJ+T
JP3
PINHD-1X3
C4 0.1uF
C11 10uF
DGND
IC2
MAX1676
PGND, LX, Vin(3.3v), Vout(5v)
Should be Thick and Short
0.1uF
10uF
C6
C5
1.8v
AGND
1uF C7
C2
C3
C1
GND
ECG Sensor
R16
R20
R18
R19
C17
L
US4
D4
TESD5V0L1UC_RJG
PAD4
GND
PAD5
PAD6
R21
R22
US3
US5
C28
C38
C39
D7
D8
Dry Electrodes
D3
BAS40
C34
47uF
C35
47uF
R17
200 Ohm
100K
R14
C36
0.1uF
C37
0.1uF
RA
RB
Find Values
LED1
SFH7016
NC
CATHODE_EMITTER_2(655_NM)
ANODE_EMITTER_1/2/3_1
ANODE_EMITTER_1/2/3_2
CATHODE_EMITTER_1(530_NM)
CATHODE_EMITTER_3_(940_NM)
10uF C16
D1
VEMD8080
D6
VEMD8080
D5
VEMD8080
PD_PIN_1_CATHODE PD_PIN_8_CATHODE
PD_PIN_2_CATHODE PD_PIN_7_CATHODE
PD_PIN_3_CATHODE PD_PIN_6_CATHODE
PD_PIN_4_CATHODE PD_PIN_5_ANODE
Diodes for PPG
D2
JP10/FTDI
FTDI
U$2
MICRO-USB
Charger
PINHD-1X4
JP2
Selects