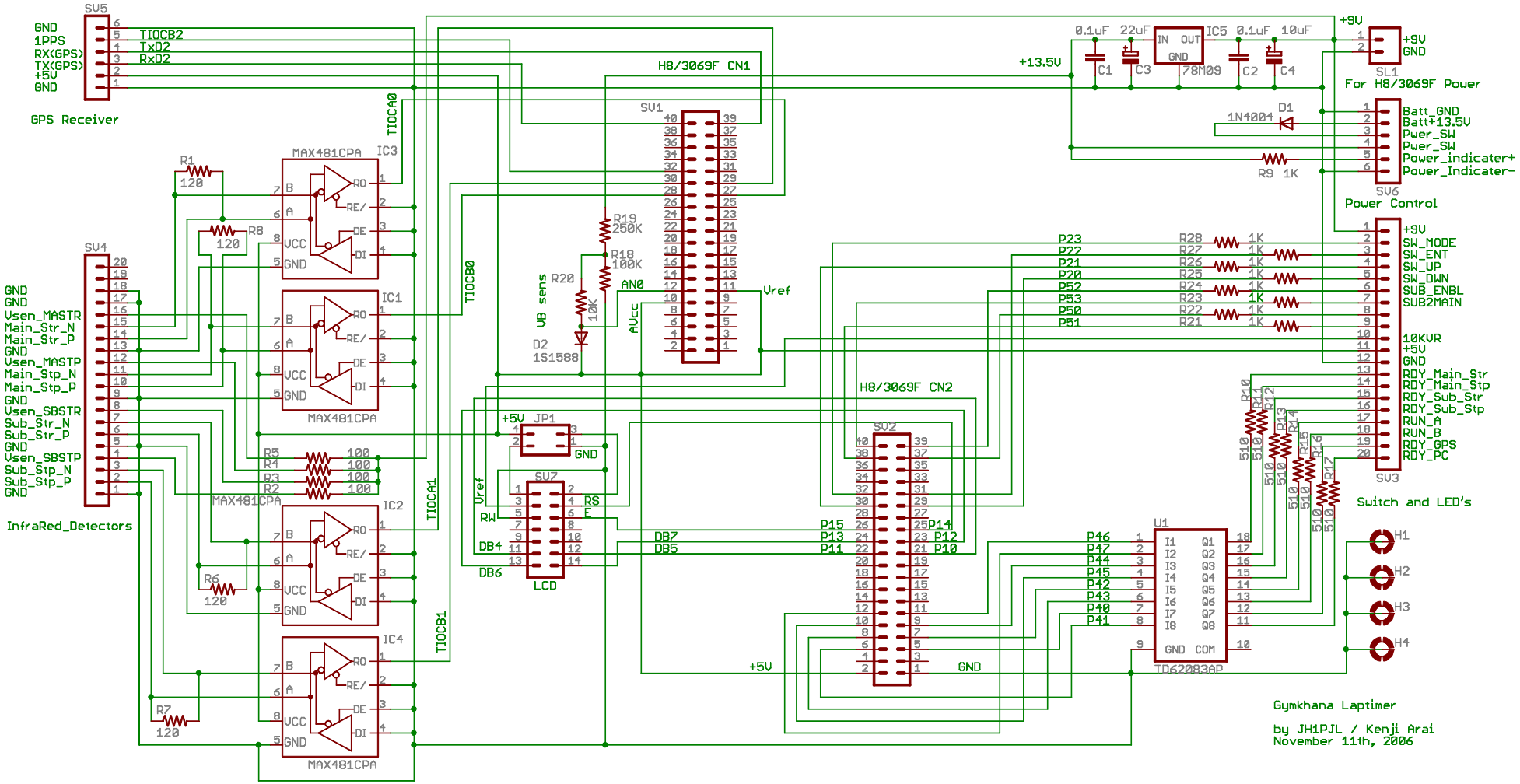
SV5
GND
1PPS
RX(GPS)
TX(GPS)
+5V
GND
GPS Receiver
TIOCB2
TxD2
RxD2
TIOCA0
TIOCB0
TIOCA1
TIOCB1
MAX481CPA
IC3
IC1
IC2
IC4
R1
120
R8
120
R6
120
R7
120
R5
R4
R3
R2
100
SV4
GND
GND
Vsen_MASTR
Main_Str_N
Main_Str_P
GND
Vsen_MASTP
Main_Stp_N
Main_Stp_P
GND
Vsen_SBSTR
Sub_Str_N
Sub_Str_P
GND
Vsen_SBSTP
Sub_Stp_N
Sub_Stp_P
GND
InfraRed_Detectors
H8/3069F CN1
SV1
R19
250K
R18
100K
R20
10K
VB sens
D2
1S1588
AN0
AVcc
Vref
+5V JP1
GND
SV7
Vref
RW
DB4
DB6
RS
E
LCD
DB7
DB5
H8/3069F CN2
SV2
P15
P13
P11
P14
P12
P10
+5V
GND
0.1uF
22uF
IC5
0.1uF
10uF
+13.5V
C1
C3
78M09
C2
C4
+9V
GND
SL1
For H8/3069F Power
D1
1N4004
R9 1K
Batt_GND
Batt+13.5V
Pwer_SW
Pwer_SW
Power_indicater+
Power_Indicater-
SV6
Power Control
P23
P22
P21
P20
P52
P53
P50
P51
R28
R27
R26
R25
R24
R23
R22
R21
1K
+9V
SW_MODE
SW_ENT
SW_UP
SW_DWN
SUB_ENBL
SUB2MAIN
10KVR
+5V
GND
RDY_Main_Str
RDY_Main_Stp
RDY_Sub_Str
RDY_Sub_Stp
RUN_A
RUN_B
RDY_GPS
RDY_PC
SV3
Switch and LED's
R10
R11
R12
R13
R14
R15
R16
R17
510
P46
P47
P44
P45
P42
P43
P40
P41
U1
TD62083AP
H1
H2
H3
H4
Gymkhana Laptimer
by JH1PJL / Kenji Arai
November 11th, 2006