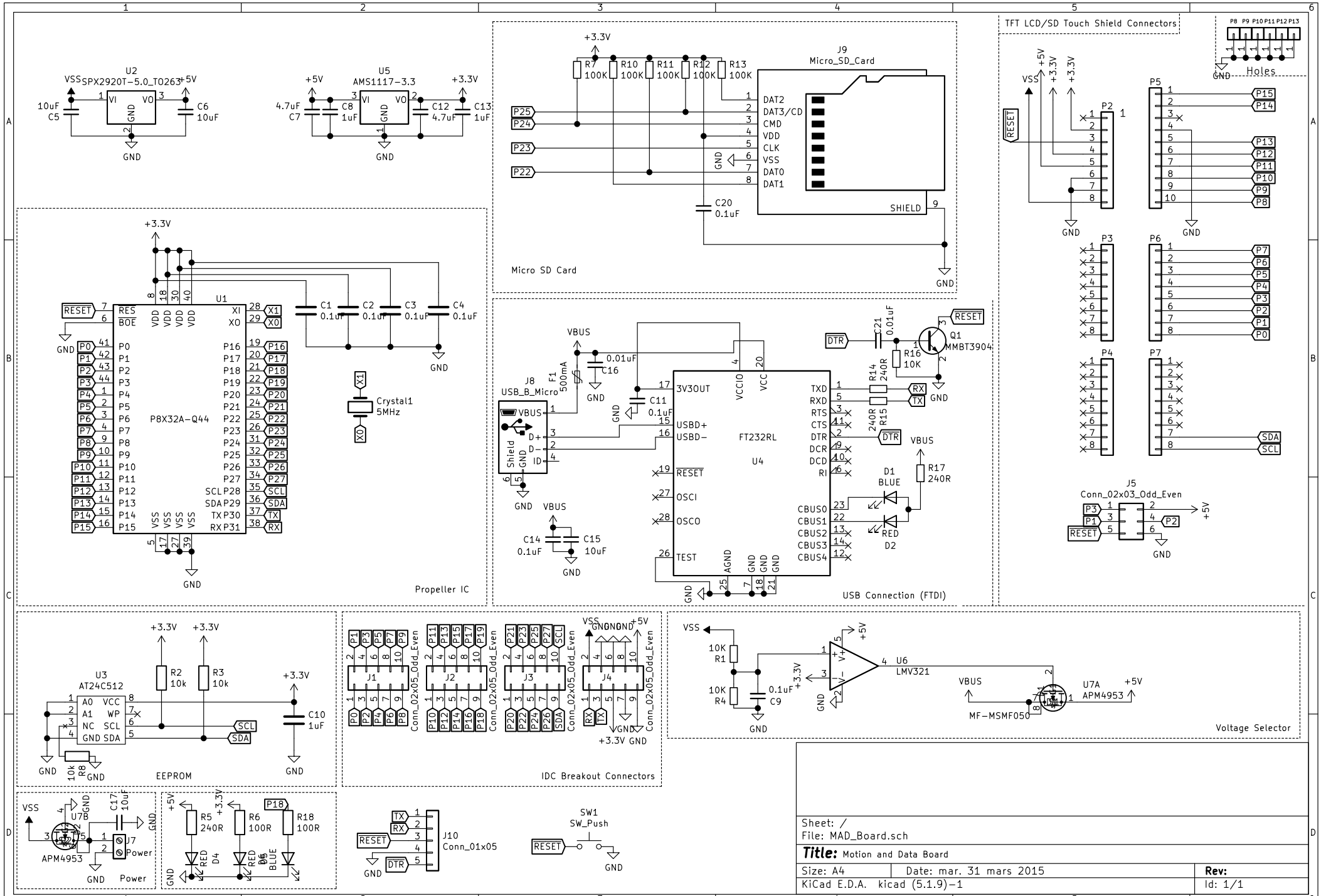
U2
SPX2920T-5.0_TO263
VSS
+5V
10uF C5
C6 10uF
GND
U5
AMS1117-3.3
+5V
+3.3V
4.7uF C7
C8 1uF
C12 4.7uF
C13 1uF
GND
+3.3V
R7 100K
R10 100K
R11 100K
R12 100K
R13 100K
J9
Micro_SD_Card
DAT2
DAT3/CD
CMD
VDD
CLK
VSS
DAT0
DAT1
SHIELD
P25
P24
P23
P22
C20 0.1uF
Micro SD Card
TFT LCD/SD Touch Shield Connectors
P8 P9 P10 P11 P12 P13
Holes
P2
P3
P4
P5
P6
P7
P15
P14
P13
P12
P11
P10
P9
P8
P7
P6
P5
P4
P3
P2
P1
P0
SDA
SCL
RESET
U1
P8X32A-Q44
RES
BOE
VDD
XI
XO
P0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
P23
P24
P25
P26
P27
SCL
SDA
TX
RX
VSS
C1 0.1uF
C2 0.1uF
C3 0.1uF
C4 0.1uF
Crystal1
5MHz
Propeller IC
J8
USB_B_Micro
VBUS
D+
D-
ID
Shield
F1 500mA
0.01uF C16
C11 0.1uF
C14 0.1uF
C15 10uF
FT232RL
U4
3V3OUT
VCCIO
VCC
USBD+
USBD-
RESET
OSCI
OSCO
TEST
AGND
TXD
RXD
RTS
CTS
DTR
DCR
DCD
RI
CBUS0
CBUS1
CBUS2
CBUS3
CBUS4
C21 0.01uF
Q1
MMBT3904
R16 10K
R14 240R
R15 240R
R17 240R
D1
BLUE
D2
RED
USB Connection (FTDI)
J5
Conn_02x03_Odd_Even
U3
AT24C512
A0
A1
NC
GND
VCC
WP
SCL
SDA
R2 10k
R3 10k
C10 1uF
R8 10k
EEPROM
J1
J2
J3
J4
Conn_02x05_Odd_Even
IDC Breakout Connectors
R1 10K
R4 10K
C9 0.1uF
U6
LMV321
MF-MSMF050
U7A
APM4953
Voltage Selector
U7B
C17 10uF
J7
Power
R5 240R
R6 100R
R18 100R
D4
D5
D6
J10
Conn_01x05
SW1
SW_Push
Sheet: /
File: MAD_Board.sch
Title: Motion and Data Board
Size: A4
Date: mar. 31 mars 2015
Rev:
KiCad E.D.A. kicad (5.1.9)-1
Id: 1/1