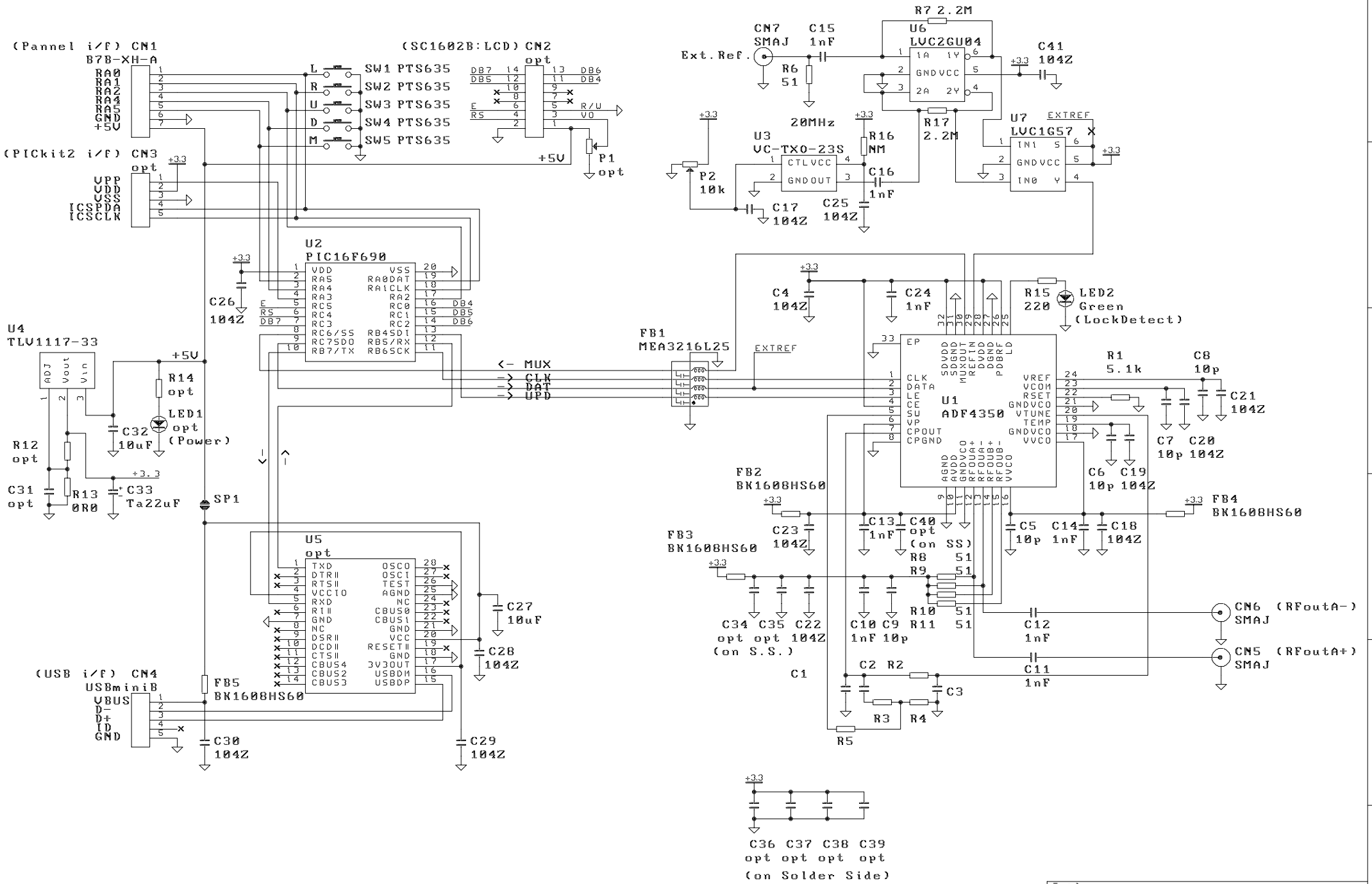
(Pannel i/f) CN1
B7B-XH-A
RA0
RA1
RA2
RA4
RA5
GND
+5V
L
R
U
D
M
SW1 PTS635
SW2 PTS635
SW3 PTS635
SW4 PTS635
SW5 PTS635
(SC1602B:LCD) CN2
opt
DB7
DB5
E
RS
DB6
DB4
R/U
VO
+5V
P1
opt
(PICkit2 i/f) CN3
opt
VPP
VDD
VSS
ICSPDA
ICSCLK
+3.3
U2
PIC16F690
VDD
VSS
RA5
RA0/AT
RA4
RA1/CLK
RA3
RA2
RC5
RC0
RC4
RC1
RC3
RC2
RC6/SS
RB4/SDI
RC7/SDO
RB5/RX
RB7/TX
RB6/SCK
C26
104Z
U4
TLV1117-33
ADJ
Vout
Vin
+5V
R14
opt
LED1
opt
(Power)
C32
10uF
R12
opt
C31
opt
R13
0R0
+3.3
C33
Ta22uF
SP1
<- MUX
-> CLK
-> DAT
-> UPD
FB1
MEA3216L25
EXTREF
U5
opt
TXD
DTR#
RTS#
VCCIO
RXD
RI#
GND
NC
DSR#
DCD#
CTS#
CBUS4
CBUS2
CBUS3
OSCO
OSCI
TEST
AGND
NC
CBUS0
CBUS1
GND
VCC
RESET#
GND
3V3OUT
USBDM
USBDP
C27
10uF
C28
104Z
C29
104Z
(USB i/f) CN4
USBminiB
VBUS
D-
D+
ID
GND
FB5
BK1608HS60
C30
104Z
CN7
SMAJ
Ext.Ref.
C15
1nF
R6
51
20MHz
U6
LVC2GU04
1A
1Y
GND
VCC
2A
2Y
R7 2.2M
C41
104Z
R17
2.2M
U7
EXTREF
LVC1G57
IN1
GND
VCC
IN0
U3
VC-TXO-23S
CTL
VCC
GND
OUT
R16
NM
C16
1nF
C25
104Z
P2
10k
C17
104Z
C4
104Z
C24
1nF
R15
220
LED2
Green
(LockDetect)
U1
ADF4350
EP
CLK
DATA
LE
CE
SU
VP
CPOUT
CPGND
SDVDD
SDGND
MUXOUT
REFIN
DVDD
DGND
PDBRF
LD
VREF
VCOM
RSET
GNDVCO
VTUNE
TEMP
GNDVCO
VVCO
AGND
AVDD
GNDVCO
RFOUA+
RFOUA-
RFOUB+
RFOUB-
VVCO
R1
5.1k
C8
10p
C21
104Z
C7
10p
C20
104Z
C6
10p
C19
104Z
FB2
BK1608HS60
FB3
BK1608HS60
FB4
BK1608HS60
C23
104Z
C13
1nF
C40
opt
(on SS)
C5
10p
C14
1nF
C18
104Z
R8
51
R9
51
R10
51
R11
51
C34
opt
C35
opt
C22
104Z
(on S.S.)
C10
1nF
C9
10p
C12
1nF
C11
1nF
CN6
SMAJ
(RFoutA-)
CN5
SMAJ
(RFoutA+)
C1
C2
R2
C3
R3
R4
R5
C36
opt
C37
opt
C38
opt
C39
opt
(on Solder Side)
Title
PLL351sch
Size
A3
Number
Revision
01
Date: 4-JUL 2019
Sheet of
File: PLL35101/1
Drawn By: