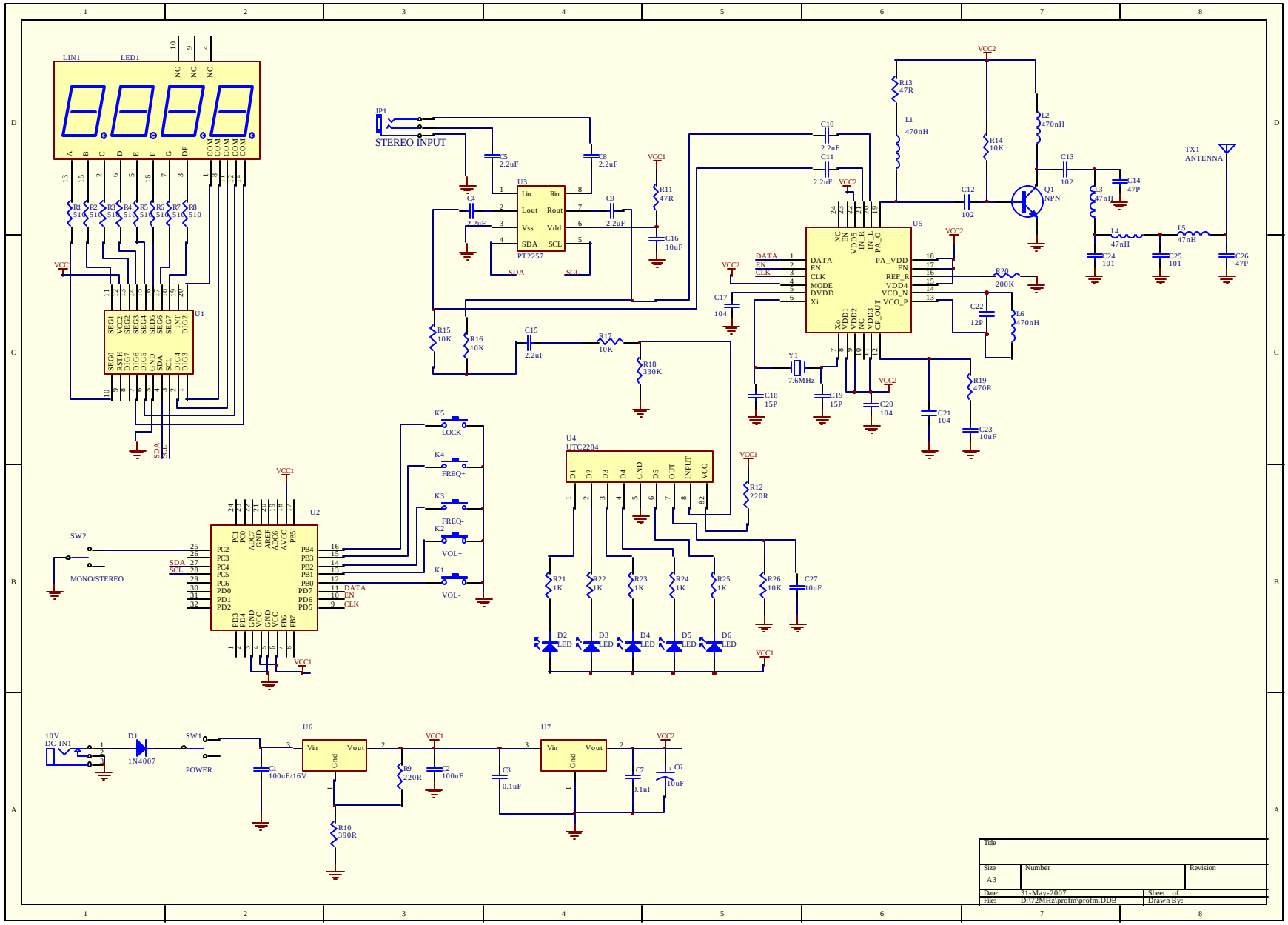
LIN1
LED1
NC
COM
A B C D E F G DP
R1 510 R2 510 R3 510 R4 510 R5 510 R6 510 R7 510 R8 510
VCC
U1
SEG1 VCC2 SEG2 SEG3 SEG4 SEG5 SEG6 SEG7 INT DIG2
SEG0 RSTH DIG7 DIG6 NC GND SDA SCL DIG4 DIG3
SDA
SCL
JP1
STEREO INPUT
C5 2.2uF
C8 2.2uF
C4 2.2uF
C9 2.2uF
U3
Lin Rin
Lout Rout
Vss Vdd
SDA SCL
PT2257
VCC1
R11 47R
C16 10uF
R15 10K
R16 10K
C15 2.2uF
R17 10K
R18 330K
K5 LOCK
K4 FREQ+
K3 FREQ-
K2 VOL+
K1 VOL-
U2
SW2
MONO/STEREO
PC1 PC0 ADC7 GND AREF ADC6 AVCC PB5
PC2 PC3 PC4 PC5 PC6 PD0 PD1 PD2
PB4 PB3 PB2 PB1 PB0 PD7 PD6 PD5
DATA
EN
CLK
PD3 PD4 GND VCC VCC GND VCC PB6 PB7
U4
UTC2284
D1 D2 D3 D4 GND D5 OUT INPUT VCC
R12 220R
R21 1K R22 1K R23 1K R24 1K R25 1K
R26 10K
C27 10uF
D2 LED D3 LED D4 LED D5 LED D6 LED
VCC2
R13 47R
L1 470nH
C10 2.2uF
C11 2.2uF
R14 10K
L2 470nH
C13 102
C12 102
Q1 NPN
C14 47P
L3 47nH
L4 47nH
L5 47nH
C24 101
C25 101
C26 47P
TX1 ANTENNA
U5
NC EN VDD5 IN_R IN_L PA_O
DATA EN CLK MODE DVDD Xi
PA_VDD EN REF_R VDD4 VCO_N VCO_P
Xo VDD1 VDD2 NC VDD3 CP_OUT
R20 200K
C22 12P
L6 470nH
C17 104
Y1 7.6MHz
C18 15P
C19 15P
C20 104
C21 104
R19 470R
C23 10uF
10V DC-IN1
D1 1N4007
SW1 POWER
C1 100uF/16V
U6
Vin Vout Gnd
R9 220R
C2 100uF
R10 390R
C3 0.1uF
U7
C7 0.1uF
C6 10uF
Title
Size A3
Number
Revision
Date: 31-May-2007
File: D:\72MHz\profm\profm.DDB
Sheet of
Drawn By: