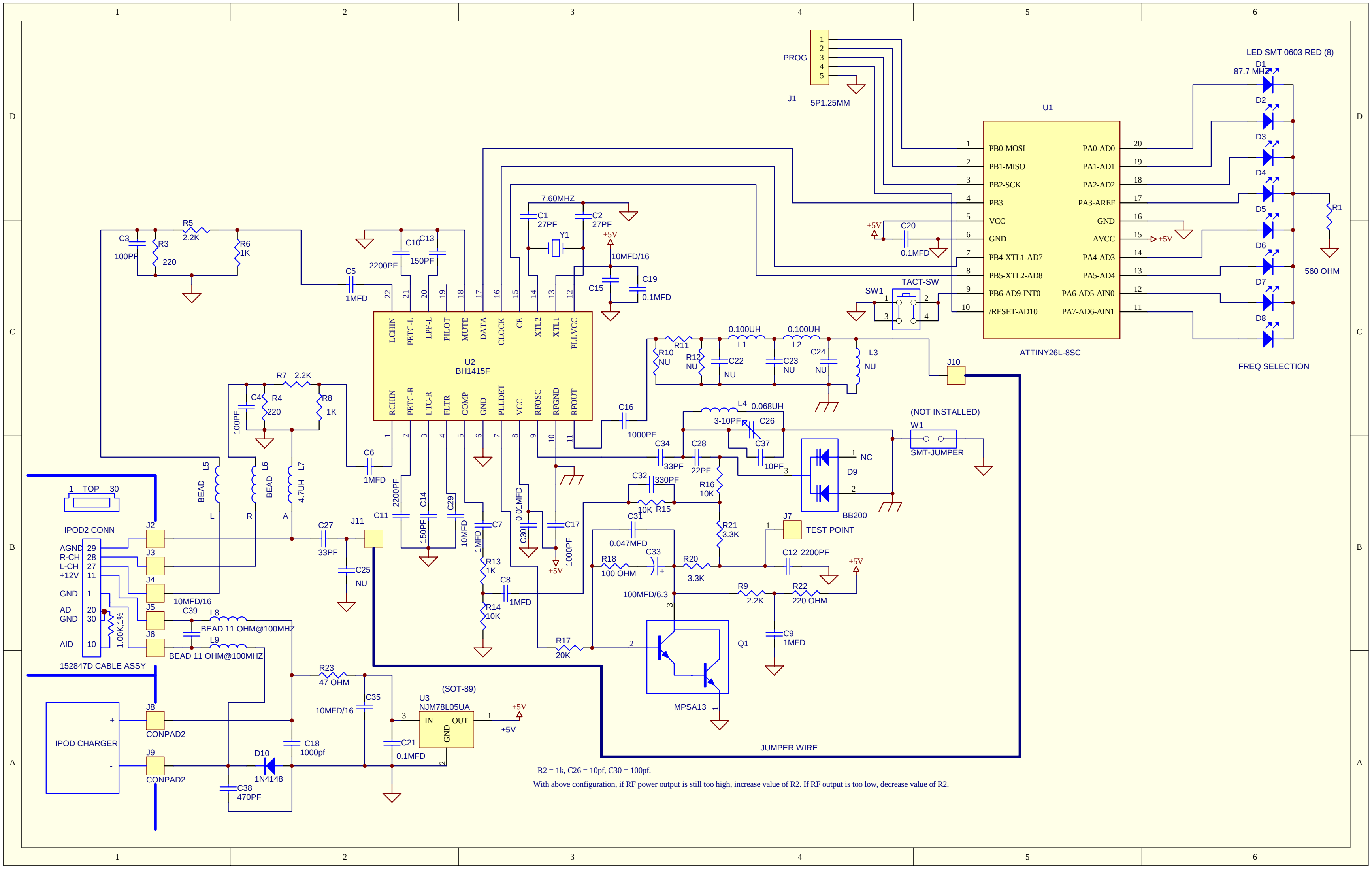
PROG
J1
5P1.25MM
U1
ATTINY26L-8SC
PB0-MOSI
PB1-MISO
PB2-SCK
PB3
VCC
GND
PB4-XTL1-AD7
PB5-XTL2-AD8
PB6-AD9-INT0
/RESET-AD10
PA0-AD0
PA1-AD1
PA2-AD2
PA3-AREF
GND
AVCC
PA4-AD3
PA5-AD4
PA6-AD5-AIN0
PA7-AD6-AIN1
LED SMT 0603 RED (8)
87.7 MHZ
FREQ SELECTION
R1
560 OHM
C20
0.1MFD
SW1
TACT-SW
U2
BH1415F
LCHIN
PETC-L
LPF-L
PILOT
MUTE
DATA
CLOCK
CE
XTL2
XTL1
PLLVCC
RCHIN
PETC-R
LTC-R
FLTR
COMP
GND
PLLDET
VCC
RFOSC
RFGND
RFOUT
7.60MHZ
C1 27PF
C2 27PF
Y1
10MFD/16
C15
C19 0.1MFD
C10 2200PF
C13 150PF
C5 1MFD
R5 2.2K
R3 220
R6 1K
C3 100PF
R7 2.2K
R4 220
R8 1K
C4 100PF
C6 1MFD
L5 BEAD
L6 BEAD
L7 4.7UH
C27 33PF
C25 NU
J11
C11
C14 150PF
C29 10MFD
C7 1MFD
C30 0.01MFD
C17 1000PF
R13 1K
R14 10K
C8 1MFD
C16 1000PF
R10 NU
R11
R12 NU
C22 NU
L1 0.100UH
C23 NU
L2 0.100UH
C24 NU
L3 NU
J10
L4 0.068UH
C26 3-10PF
C37 10PF
C34 33PF
C28 22PF
(NOT INSTALLED)
W1 SMT-JUMPER
D9 BB200
NC
C32 330PF
R15 10K
R16 10K
C31 0.047MFD
R21 3.3K
J7 TEST POINT
R18 100 OHM
C33 100MFD/6.3
R20 3.3K
C12 2200PF
R9 2.2K
R22 220 OHM
C9 1MFD
R17 20K
Q1 MPSA13
JUMPER WIRE
1 TOP 30
IPOD2 CONN
AGND 29
R-CH 28
L-CH 27
+12V 11
GND 1
AD GND 20 30
AID 10
1.00K1%
152847D CABLE ASSY
J2 J3 J4 J5 J6
10MFD/16
C39
L8 BEAD 11 OHM@100MHZ
L9 BEAD 11 OHM@100MHZ
IPOD CHARGER
J8 CONPAD2
J9 CONPAD2
D10 1N4148
C38 470PF
C18 1000pf
R23 47 OHM
C35 10MFD/16
C21 0.1MFD
U3 NJM78L05UA (SOT-89)
IN OUT GND
+5V
R2 = 1k, C26 = 10pf, C30 = 100pf.
With above configuration, if RF power output is still too high, increase value of R2. If RF output is too low, decrease value of R2.