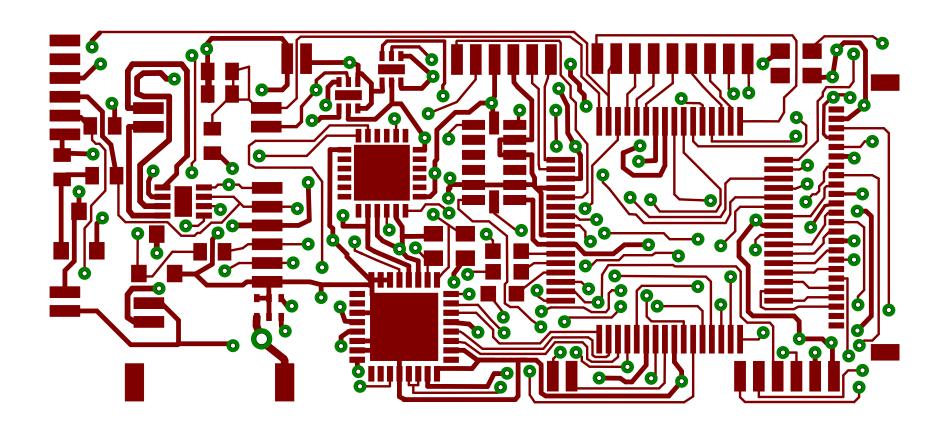
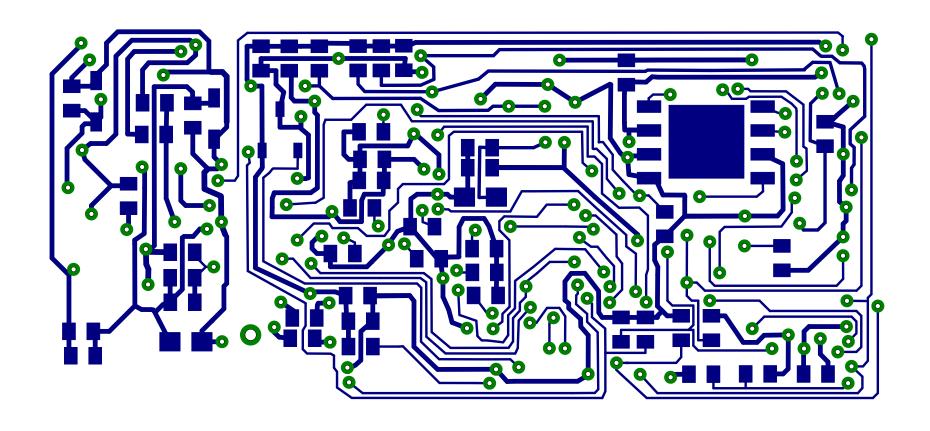
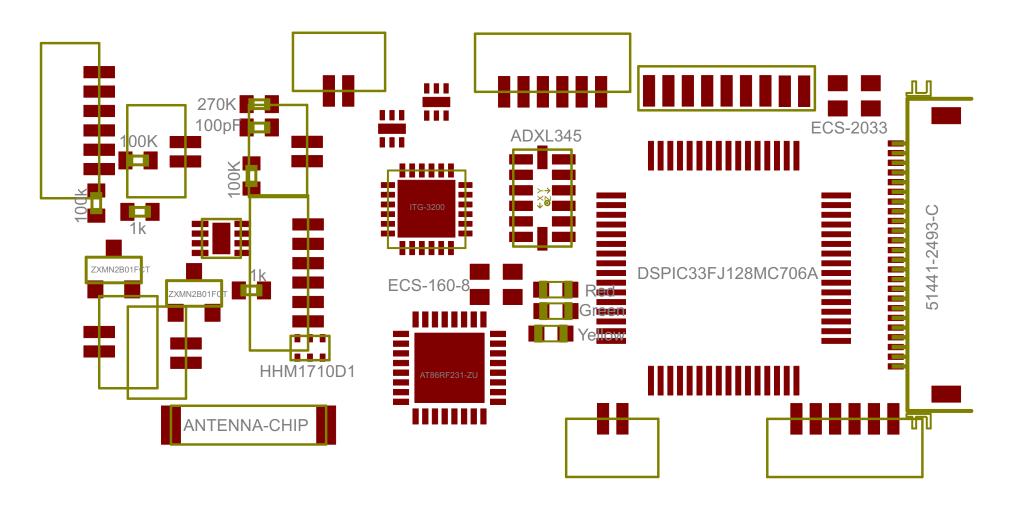
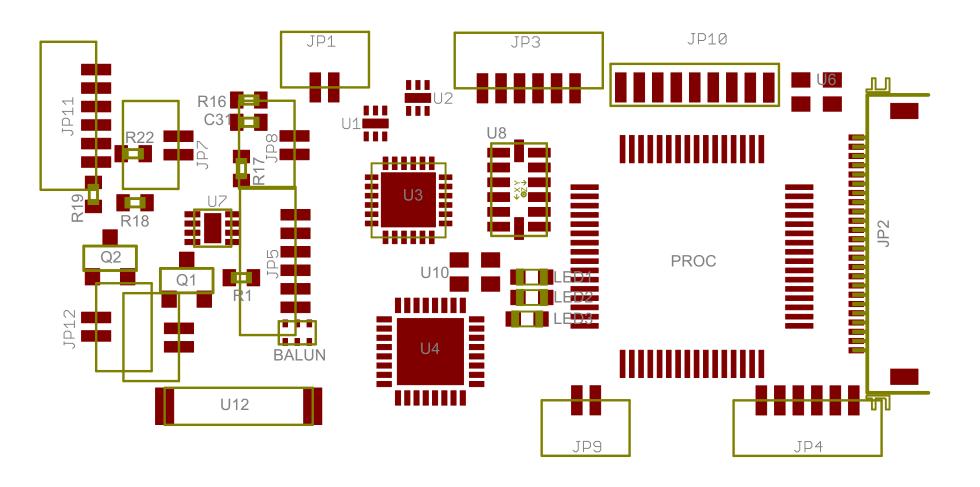


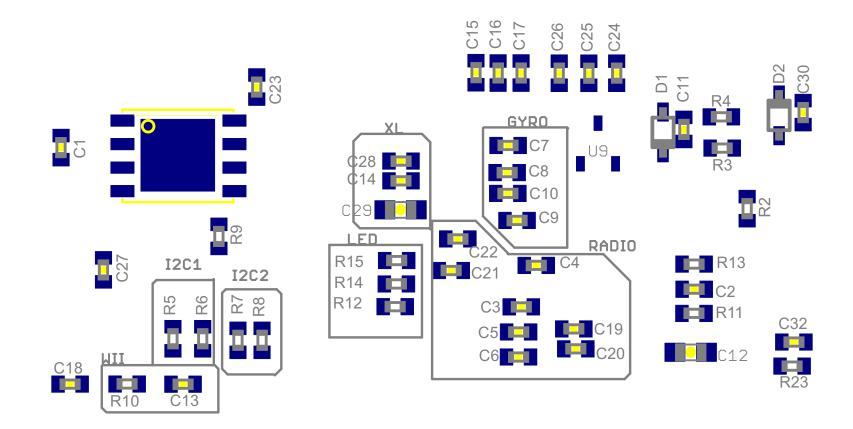
9/29/2011 3:56:29 PM f=0.70 C:\Users\pullin\Desktop\SVN code\trunk\pullin\boards\ImageProc2_ap\ImageProc2_v24_dual_driver.sch (Sheet: 1/1)

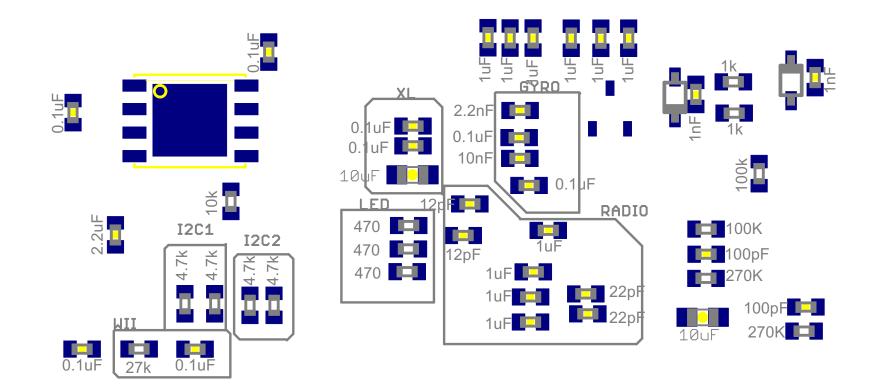












```
Part Value
                           Device
                                                    Package
                                                                           Description
BALUN HHM1710D1
                                                    BALUN
                           BALUNA
      0.1uF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
C2
      100pF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
                           CAP0402-CAP
                                                    0402-CAP
СЗ
      1uF
                                                                           Capacitor
С4
      1uF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
С5
      1uF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
                                                    0402-CAP
C6
      1uF
                           CAPO402-CAP
                                                                           Capacitor
                                                    0402-CAP
                           CAP0402-CAP
      2.2nF
                                                                           Capacitor
                           CAP0402-CAP
                                                    0402-CAP
С8
                                                                           Capacitor
      0.1uF
С9
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
      0.1uF
C10
      10nF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
                          CAP0402-CAP
                                                    0402-CAP
      1nF
                                                                           Capacitor
                           CAP0603-CAP
                                                    0603-CAP
C12
      10uF
                                                                           Capacitor
C13
      0.1uF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
C14
      0.1uF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
                           CAP0402-CAP
                                                    0402-CAP
C15
      1uF
                                                                           Capacitor
                                                    0402-CAP
C16
      1uF
                           CAP0402-CAF
                                                                           Capacitor
C17
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
      1uF
C18
      0.luF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
                                                    0402-CAP
C19
                          CAP0402-CAP
      22pF
                                                                           Capacitor
C20
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
      22pF
C21
                           CAP0402-CAP
                                                    0402-CAP
                                                                          Capacitor
      12pF
C22
      12pF
                           CAPO402-CAP
                                                    0402-CAP
                                                                           Capacitor
                                                    0402-CAP
      0.luF
                           CAP0402-CAP
C23
                                                                           Capacitor
                                                    0402-CAP
C24
      1uF
                           CAP0402-CAP
                                                                           Capacitor
C25
      1uF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
C26
      1uF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
                          CAP0402-CAP
                                                    0402-CAP
      2.211F
                                                                          Capacitor
C28
      0.luF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
                                                                          Capacitor
C29
      10uF
                           CAP0603-CAP
                                                    0603-CAP
      1nF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
      100pF
                           CAP0402-CAP
                                                    0402-CAP
                                                                           Capacitor
                           CAP0402-CAP
                                                    0402-CAP
C32
      100pF
                                                                           Capacitor
      PMEG2015EJ
                           DSOD323
                                                    SOD323
D1
                                                                           DIODE
D2
      PMEG2015EJ
                           DSOD323
                                                    SOD323
                                                                           DIODE
                                                    MOLEX-PICO_CLASP_S2P Molex Pico-Clasp Single Row 2 POS
      MPCS2PH
JP1
                          MPCS2PH
                                                    MOLEX-52740-2490
      51441-2493-C
                           OV7660FSL CON-24
JP2
                           MPCS6PH
                                                    MOLEX-PICO_CLASP_S6P Molex Pico-Clasp Single Row 6 Pos
JP3
JP4
      WII
                          MPCS6PH
                                                    MOLEX-PICO_CLASP_S6P Molex Pico-Clasp Single Row 6 Pos
                          SOLDER_PADS_9P
LEDCHIP-LED0603
                                                    SOLDER PADS 9P
JP10
                                                    CHIP-LED0603
LED1
      Red
                                                                           LED
                           LEDCHIP-LED0603
                                                    CHIP-LED0603
                                                                           LED
LED2
LED3
      Yellow
                           LEDCHIP-LED0603
                                                    CHIP-LED0603
                                                                           LED
                                                                          Microchip dsPIC33FJ128MC706
      DSPIC33FJ128MC706A DSPIC33FJ128MC706-I/PT
                                                    TOFP64
PROC
      ZXMN2B01FCT
                           MOSFET-NCHANNELSMD
                                                    SOT23-3
Q1
Q2
      ZXMN2B01FCT
                           MOSFET-NCHANNELSMD
                                                    SOT23-3
R1
                           R-US_R0402
                                                    R0402
                                                                           RESISTOR, American symbol
                           R-US_R0402
R-US_R0402
R2
      100k
                                                    R0402
                                                                           RESISTOR, American symbol
                                                    R0402
                                                                           RESISTOR, American symbol
R3
      1k
                           R-US_R0402
                                                    R0402
                                                                           RESISTOR, American symbol
R5
      4.7k
                           R-US_R0402
                                                    R0402
                                                                           RESISTOR, American symbol
R6
      4.7k
                           R-US R0402
                                                    R0402
                                                                           RESISTOR, American symbol
                           R-US R0402
                                                    R0402
                                                                           RESISTOR, American symbol
R7
      4.7k
                           R-US_R0402
                                                    R0402
                                                                           RESISTOR, American symbol
R8
      4.7k
R9
      10k
                           R-US R0402
                                                    R0402
                                                                           RESISTOR, American symbol
                           R-US R0402
R10
      27k
                                                    R0402
                                                                           RESISTOR, American symbol
      270K
                           R-US R0402
                                                    R0402
R11
                                                                           RESISTOR, American symbol
                           R-US_R0402
                                                                           RESISTOR, American symbol
R12
                                                    R0402
R13
      100K
                           R-US_R0402
                                                    R0402
                                                                           RESISTOR, American symbol
R14
      470
                           R-US R0402
                                                    R0402
                                                                           RESISTOR, American symbol
      470
                           R-US R0402
                                                    R0402
                                                                           RESISTOR, American symbol
R15
R16
      270K
                           R-US R0402
                                                    R0402
                                                                           RESISTOR, American symbol
R17
      100K
                           R-US_R0402
                                                    R0402
                                                                           RESISTOR, American symbol
R18
                           R-US_R0402
R-US_R0402
                                                    R0402
                                                                           RESISTOR, American symbol
      100k
                                                    R0402
R19
                                                                           RESISTOR, American symbol
                           R-US_R0402
R22
      100K
                                                    R0402
                                                                           RESISTOR, American symbol
R23
      270K
                           R-US_R0402
                                                    R0402
                                                                           RESISTOR, American symbol
      MIC5335-SPYMT
                                                                           MIC5320 High Performance Dual 150mA Voltage Regulator
                                                    MLF-6
      MIC5320-JGYML
                                                    MLF-6
                                                                           MIC5320 High Performance Dual 150mA Voltage Regulator
U2
                           ITG-3200-00
UЗ
      ITG-3200
                                                    QFN-24
                                                                           Invensense 3-axis Gyroscope
U4
      AT86RF231-ZU
                           AT86RF231-ZU
                                                    OFN-32
                                                                           Atmel 2.4GHz transceiver for Zigbee
                                                    MLF (VDFN) -8
115
      AT45DB321D
                           AT45DB321D
                                                                          Atmel DataFlash AT45DB Series
      ECS-2033
                                                    OSCILLATOR-SMD
                           OSCILLATORS
U6
      A3903S
                           A3903S
                                                    DFN-8
                                                                           Allegro Low Voltage DC Motor Driver (A3903)
118
      ADXI.345-LGA12
                           ADXL345
                                                    LGA14
119
      MN13822-T.
                           VOL DETECTOR
                                                    SOT-23-3
      ECS-160-8
                           CRYSTALS
                                                    CRYSTAL-SMD
      ANTENNA
                           ANTENNA
                                                    ANTENNA PAD
U12
      ANTENNA-CHIP
                          ANTENNA-CHIP
                                                    ANTENNA-CHIP
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