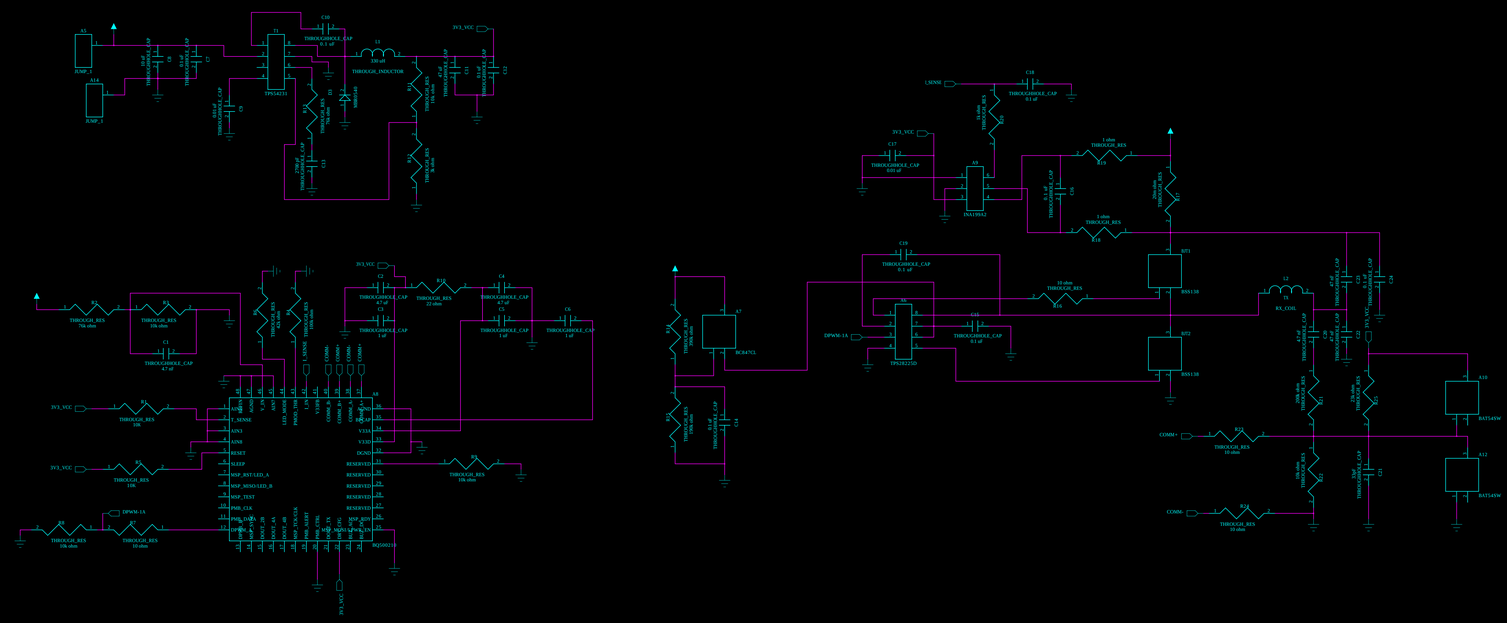
REVISION RECORD			
LTR	ECO NO.:	APPROVED:	DATE:


A5
JUMP_1
A14
JUMP_2
C0
0.1uF
THROUGHHOLE_CAP
C1
0.1uF
THROUGHHOLE_CAP
C2
0.1uF
THROUGHHOLE_CAP
C3
0.1uF
THROUGHHOLE_CAP
C4
THROUGHHOLE_CAP
0.1 uF
T1
TPS54231
R1
THROUGH_RES
78.7kohm
R2
THROUGH_RES
10.5kohm
C11
270pF
THROUGHHOLE_CAP
D1
SS0540
L1
330 uH
THROUGH_INDUCTOR
R3
THROUGH_RES
191k ohm
R4
THROUGH_RES
36.4kohm
C7
0.1uF
THROUGHHOLE_CAP
C8
0.1uF
THROUGHHOLE_CAP
3V3_VCC
C12
0.1uF
THROUGHHOLE_CAP
C18
THROUGHHOLE_CAP
0.1 uF
USNNE
R35
0.5ohm
THROUGH_RES
3V3_VCC
C17
THROUGHHOLE_CAP
0.01 uF
A9
INA139A2
R17
1.0ohm
THROUGH_RES
C16
0.1uF
THROUGHHOLE_CAP
R16
1.0ohm
THROUGH_RES
R15
20kohm
THROUGH_RES
C19
THROUGHHOLE_CAP
0.1 uF
R18
10 ohm
THROUGH_RES
RT1
BSS138
RT2
BSS138
L2
1u
RX_COIL
C13
0.1uF
THROUGHHOLE_CAP
C20
0.1uF
THROUGHHOLE_CAP
C23
0.1uF
THROUGHHOLE_CAP
C26
0.1uF
THROUGHHOLE_CAP
3V3_VCC
DPWW-1A
A7
BC847CL
R19
THROUGH_RES
330kohm
R20
THROUGH_RES
330kohm
C14
0.1uF
THROUGHHOLE_CAP
A6
TPS2022QD
C14
THROUGHHOLE_CAP
0.1 uF
R21
THROUGH_RES
COMM+
R22
THROUGH_RES
10 ohm
R23
THROUGH_RES
COMM-
R24
THROUGH_RES
10 ohm
R25
THROUGH_RES
R26
THROUGH_RES
C21
1000pF
THROUGHHOLE_CAP
A10
BAT1456W
A12
BAT1456W
R6
THROUGH_RES
78k ohm
R7
THROUGH_RES
10k ohm
C1
THROUGHHOLE_CAP
4.7 uF
R8
THROUGH_RES
R9
THROUGH_RES
3V3_VCC
R10
THROUGH_RES
10K
3V3_VCC
R11
THROUGH_RES
10K
DPWW-1A
R5
THROUGH_RES
10k ohm
R4
THROUGH_RES
10 ohm
C2
THROUGHHOLE_CAP
4.7 uF
R12
THROUGH_RES
22 ohm
C4
THROUGHHOLE_CAP
4.7 uF
C3
THROUGHHOLE_CAP
1 uF
C5
THROUGHHOLE_CAP
1 uF
C6
THROUGHHOLE_CAP
1 uF
3V3_VCC
A8
MSP430F5529IPN
P6.0/CB0
P6.1/CB1
P6.2/CB2
P6.3/CB3
P6.4/CB4
P6.5/CB5
P6.6/CB6
P6.7/CB7
P5.0/A8/VeREF+
P5.1/A9/VeREF-
P5.2/A10/VeAREF
P5.3/A11
P5.4/XIN
P5.5/XOUT
P5.6/A12
P5.7/A13
P4.0/PM_UCB1STE/PM_UCA1CLK
P4.1/PM_UCB1SIMO/PM_UCB1SDA
P4.2/PM_UCB1SOMI/PM_UCB1SCL
P4.3/PM_UCB1CLK/PM_UCA1STE
P4.4/PM_UCA1TXD/PM_UCA1SIMO
P4.5/PM_UCA1RXD/PM_UCA1SOMI
P4.6/PM_UCA1STE
P4.7/PM_UCA1CLK
P3.0/PM_UCB0STE/PM_UCA0CLK
P3.1/PM_UCB0SIMO/PM_UCB0SDA
P3.2/PM_UCB0SOMI/PM_UCB0SCL
P3.3/PM_UCB0CLK/PM_UCA0STE
P3.4/PM_UCA0TXD/PM_UCA0SIMO
P3.5/PM_UCA0RXD/PM_UCA0SOMI
P3.6/PM_UCB1STE
P3.7/PM_UCB1CLK
P2.0/PM_UCB0STE/PM_UCA0CLK
P2.1/PM_UCB0SIMO/PM_UCB0SDA
P2.2/PM_UCB0SOMI/PM_UCB0SCL
P2.3/PM_UCB0CLK/PM_UCA0STE
P2.4/PM_UCA0TXD/PM_UCA0SIMO
P2.5/PM_UCA0RXD/PM_UCA0SOMI
P2.6/PM_UCA1STE
P2.7/PM_UCA1CLK
P1.0/PM_UCB1STE/PM_UCA1CLK
P1.1/PM_UCB1SIMO/PM_UCB1SDA
P1.2/PM_UCB1SOMI/PM_UCB1SCL
P1.3/PM_UCB1CLK/PM_UCA1STE
P1.4/PM_UCA1TXD/PM_UCA1SIMO
P1.5/PM_UCA1RXD/PM_UCA1SOMI
P1.6/PM_UCB0STE
P1.7/PM_UCB0CLK
P8.0/PM_UCB1STE
P8.1/PM_UCB1CLK
P8.2/PM_UCA1STE
P8.3/PM_UCA1CLK
P8.4/PM_UCB0STE
P8.5/PM_UCB0CLK
P8.6/PM_UCA0STE
P8.7/PM_UCA0CLK
P7.0/PM_UCB2STE
P7.1/PM_UCB2CLK
P7.2/PM_UCA2STE
P7.3/PM_UCA2CLK
P7.4/PM_UCB3STE
P7.5/PM_UCB3CLK
P7.6/PM_UCA3STE
P7.7/PM_UCA3CLK
P9.0/PM_UCB2STE
P9.1/PM_UCB2CLK
P9.2/PM_UCA2STE
P9.3/PM_UCA2CLK
P9.4/PM_UCB3STE
P9.5/PM_UCB3CLK
P9.6/PM_UCA3STE
P9.7/PM_UCA3CLK
P10.0/PM_UCB3STE
P10.1/PM_UCB3CLK
P10.2/PM_UCA3STE
P10.3/PM_UCA3CLK
P10.4/PM_UCB0STE
P10.5/PM_UCB0CLK
P10.6/PM_UCA0STE
P10.7/PM_UCA0CLK
P11.0/PM_UCB1STE
P11.1/PM_UCB1CLK
P11.2/PM_UCA1STE
P11.3/PM_UCA1CLK
P11.4/PM_UCB0STE
P11.5/PM_UCB0CLK
P11.6/PM_UCA0STE
P11.7/PM_UCA0CLK
P12.0/PM_UCB2STE
P12.1/PM_UCB2CLK
P12.2/PM_UCA2STE
P12.3/PM_UCA2CLK
P12.4/PM_UCB3STE
P12.5/PM_UCB3CLK
P12.6/PM_UCA3STE
P12.7/PM_UCA3CLK
P13.0/PM_UCB1STE
P13.1/PM_UCB1CLK
P13.2/PM_UCA1STE
P13.3/PM_UCA1CLK
P13.4/PM_UCB0STE
P13.5/PM_UCB0CLK
P13.6/PM_UCA0STE
P13.7/PM_UCA0CLK
P14.0/PM_UCB2STE
P14.1/PM_UCB2CLK
P14.2/PM_UCA2STE
P14.3/PM_UCA2CLK
P14.4/PM_UCB3STE
P14.5/PM_UCB3CLK
P14.6/PM_UCA3STE
P14.7/PM_UCA3CLK
P15.0/PM_UCB3STE
P15.1/PM_UCB3CLK
P15.2/PM_UCA3STE
P15.3/PM_UCA3CLK
P15.4/PM_UCB0STE
P15.5/PM_UCB0CLK
P15.6/PM_UCA0STE
P15.7/PM_UCA0CLK
P16.0/PM_UCB1STE
P16.1/PM_UCB1CLK
P16.2/PM_UCA1STE
P16.3/PM_UCA1CLK
P16.4/PM_UCB0STE
P16.5/PM_UCB0CLK
P16.6/PM_UCA0STE
P16.7/PM_UCA0CLK
P17.0/PM_UCB2STE
P17.1/PM_UCB2CLK
P17.2/PM_UCA2STE
P17.3/PM_UCA2CLK
P17.4/PM_UCB3STE
P17.5/PM_UCB3CLK
P17.6/PM_UCA3STE
P17.7/PM_UCA3CLK
P18.0/PM_UCB1STE
P18.1/PM_UCB1CLK
P18.2/PM_UCA1STE
P18.3/PM_UCA1CLK
P18.4/PM_UCB0STE
P18.5/PM_UCB0CLK
P18.6/PM_UCA0STE
P18.7/PM_UCA0CLK
P19.0/PM_UCB2STE
P19.1/PM_UCB2CLK
P19.2/PM_UCA2STE
P19.3/PM_UCA2CLK
P19.4/PM_UCB3STE
P19.5/PM_UCB3CLK
P19.6/PM_UCA3STE
P19.7/PM_UCA3CLK
P20.0/PM_UCB1STE
P20.1/PM_UCB1CLK
P20.2/PM_UCA1STE
P20.3/PM_UCA1CLK
P20.4/PM_UCB0STE
P20.5/PM_UCB0CLK
P20.6/PM_UCA0STE
P20.7/PM_UCA0CLK
P21.0/PM_UCB2STE
P21.1/PM_UCB2CLK
P21.2/PM_UCA2STE
P21.3/PM_UCA2CLK
P21.4/PM_UCB3STE
P21.5/PM_UCB3CLK
P21.6/PM_UCA3STE
P21.7/PM_UCA3CLK