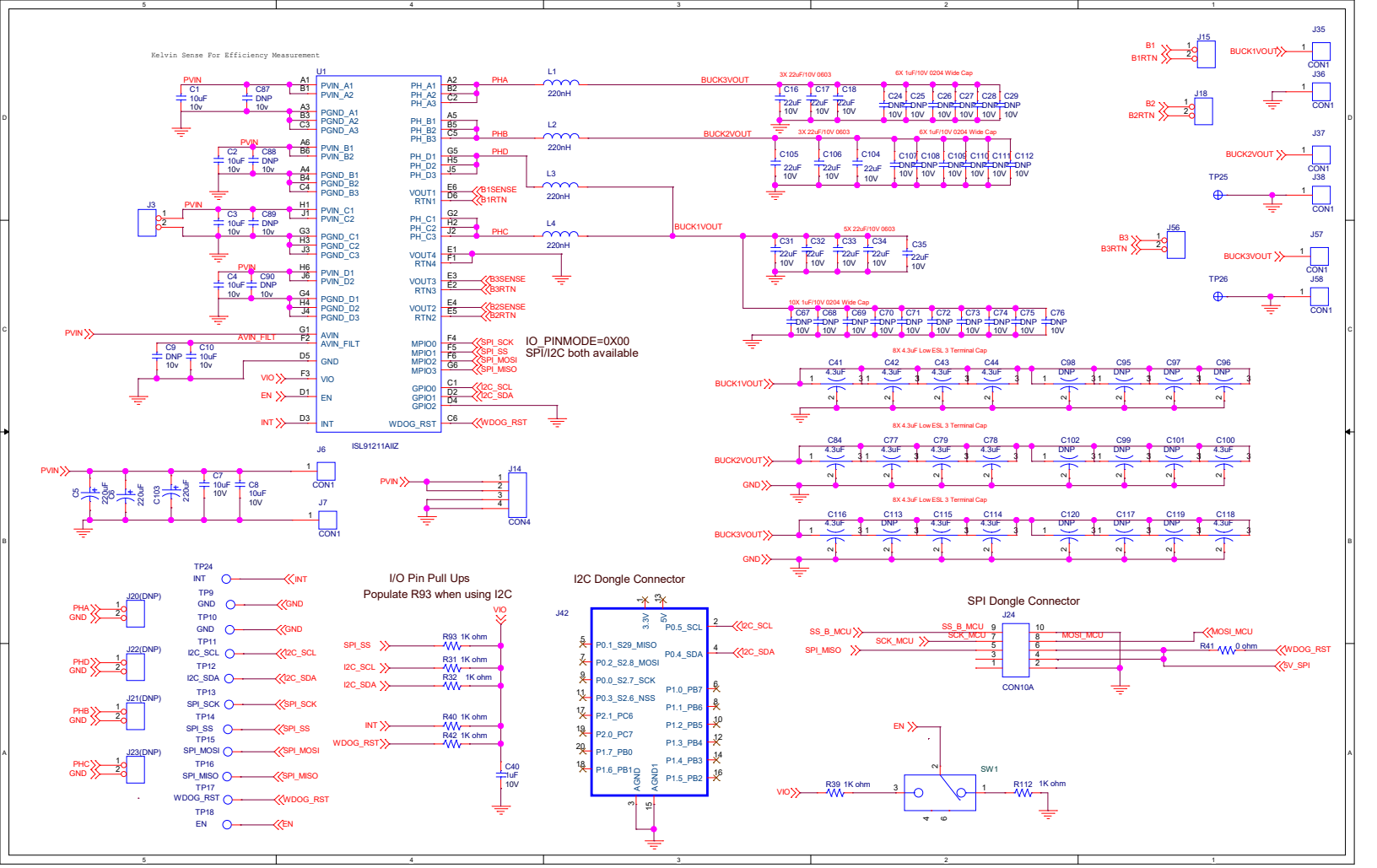
Kelvin Sense For Efficiency Measurement
U1
ISL91211AIIZ
IO_PINMODE=0X00
SPI/I2C both available
I/O Pin Pull Ups
Populate R93 when using I2C
I2C Dongle Connector
SPI Dongle Connector
J42
J24
CON10A
SW1
BUCK1VOUT
BUCK2VOUT
BUCK3VOUT
PVIN
PHA
PHB
PHC
PHD
L1
L2
L3
L4
220nH
3X 22uF/10V 0603
6X 1uF/10V 0204 Wide Cap
5X 22uF/10V 0603
10X 1uF/10V 0204 Wide Cap
8X 4.3uF Low ESL 3 Terminal Cap
B1
B1RTN
B2
B2RTN
B3
B3RTN
J15
J18
J56
J35
J36
J37
J38
J57
J58
TP25
TP26
J3
J6
J7
J14
J20(DNP)
J21(DNP)
J22(DNP)
J23(DNP)
TP24
TP9
TP10
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
R93 1K ohm
R31 1K ohm
R32 1K ohm
R40 1K ohm
R42 1K ohm
C40 1uF 10V
R41 0 ohm
R39 1K ohm
R112 1K ohm
SPI_SS
I2C_SCL
I2C_SDA
INT
WDOG_RST
SPI_SCK
SPI_MOSI
SPI_MISO
EN
VIO
SS_B_MCU
SCK_MCU
MOSI_MCU
5V_SPI