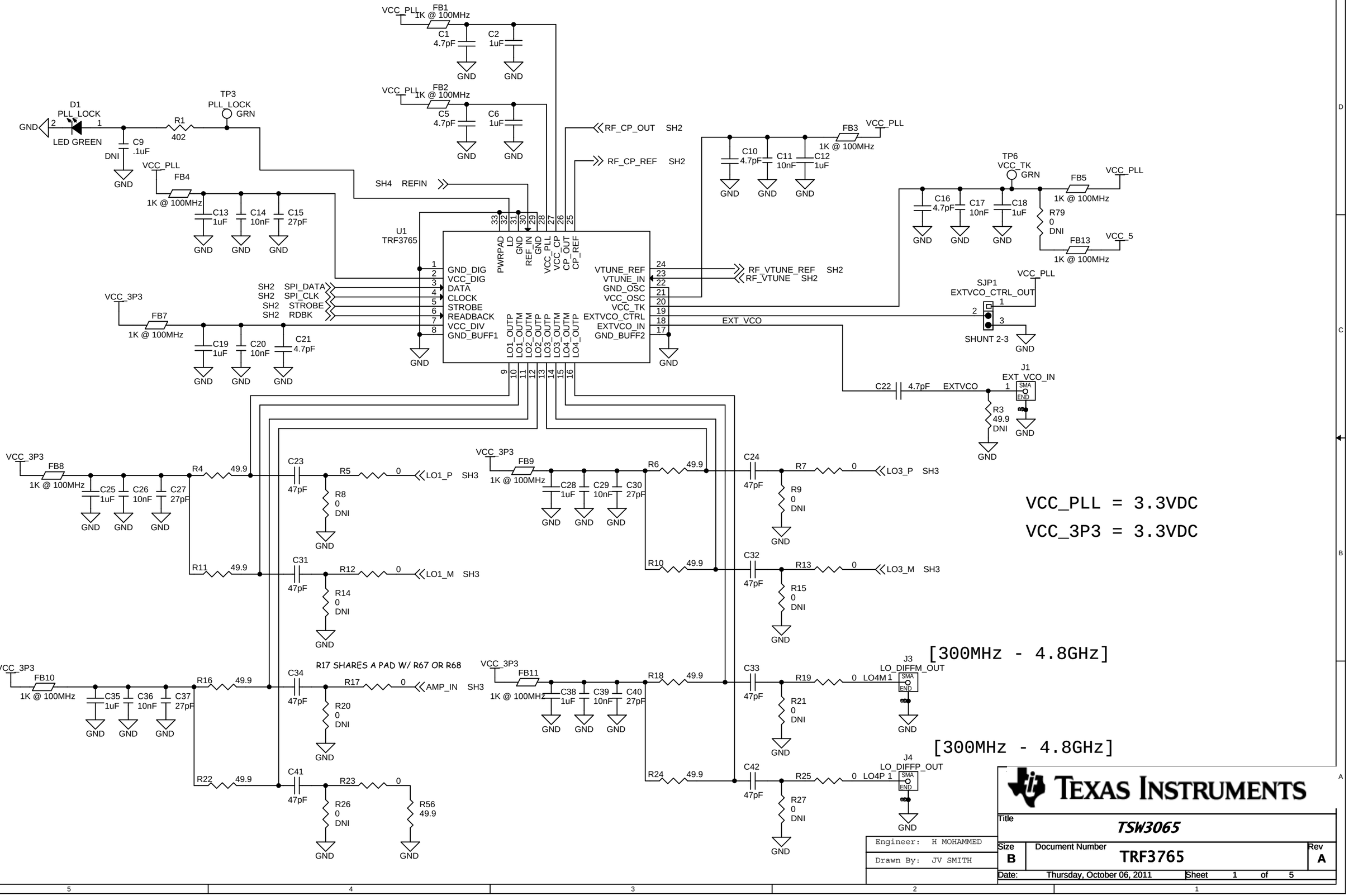
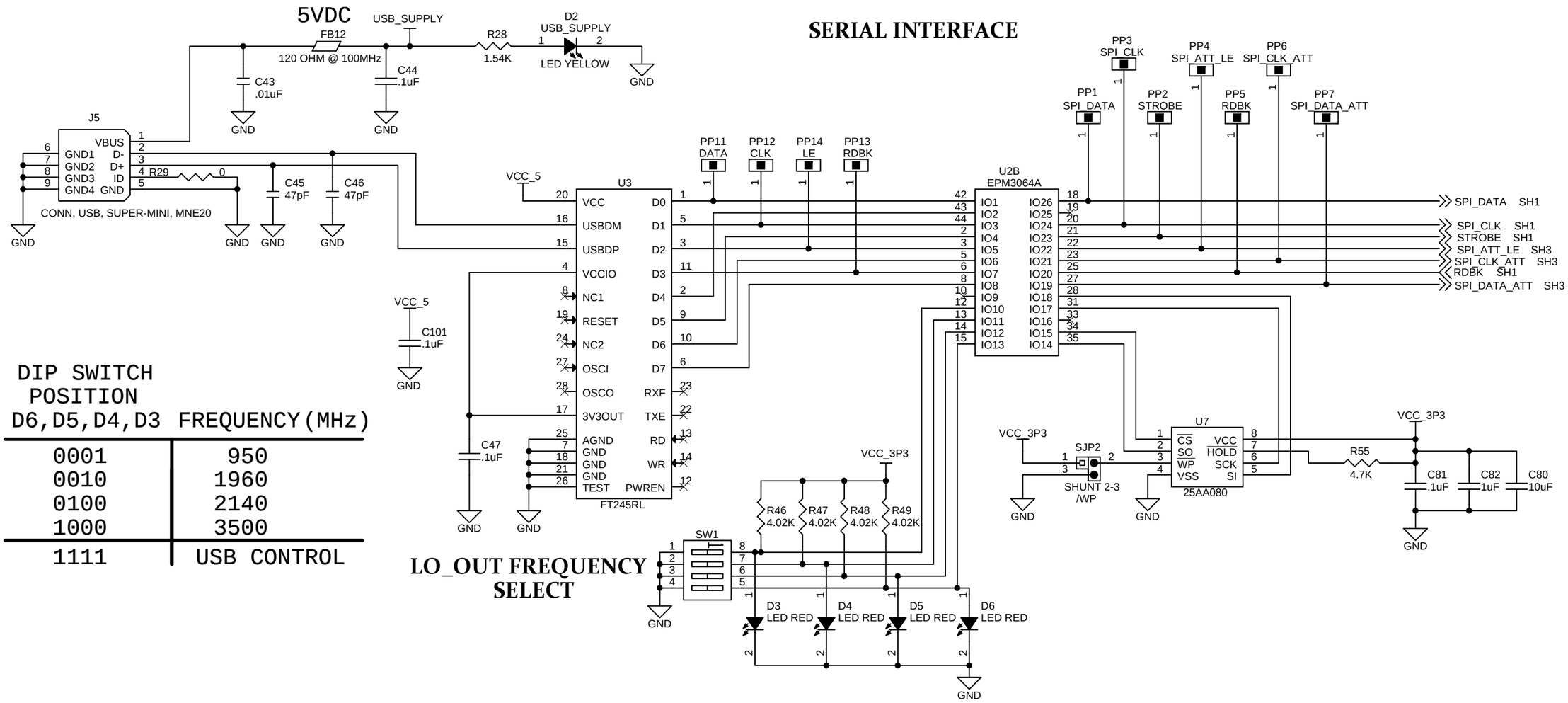

VCC_PLL
FB1
1K @ 100MHz
C1
4.7pF
C2
1uF
GND
FB2
C5
4.7pF
C6
1uF
TP3
PLL_LOCK
GRN
D1
PLL_LOCK
LED GREEN
R1
402
C9
.1uF
DNI
FB4
C13
1uF
C14
10nF
C15
27pF
SH4 REFIN
RF_CP_OUT SH2
RF_CP_REF SH2
FB3
C10
4.7pF
C11
10nF
C12
1uF
TP6
VCC_TK
FB5
C16
4.7pF
C17
10nF
C18
1uF
R79
0
DNI
FB13
VCC_5
U1
TRF3765
PWRPAD
LD
GND
REF_IN
GND
VCC_PLL
VCC_CP
CP_OUT
CP_REF
GND_DIG
VCC_DIG
DATA
CLOCK
STROBE
READBACK
VCC_DIV
GND_BUFF1
VTUNE_REF
VTUNE_IN
GND_OSC
VCC_OSC
VCC_TK
EXTVCO_CTRL
EXTVCO_IN
GND_BUFF2
SH2 SPI_DATA
SH2 SPI_CLK
SH2 STROBE
SH2 RDBK
RF_VTUNE_REF SH2
RF_VTUNE SH2
EXT_VCO
SJP1
EXTVCO_CTRL_OUT
SHUNT 2-3
VCC_3P3
FB7
C19
1uF
C20
10nF
C21
4.7pF
LO1_OUTP
LO1_OUTM
LO2_OUTP
LO2_OUTM
LO3_OUTP
LO3_OUTM
LO4_OUTP
LO4_OUTM
J1
EXT_VCO_IN
SMA
END
C22
4.7pF
EXTVCO
R3
49.9
DNI
FB8
C25
1uF
C26
10nF
C27
27pF
R4
49.9
C23
47pF
R5
0
LO1_P SH3
R8
0
DNI
R11
49.9
C31
47pF
R12
0
LO1_M SH3
R14
0
DNI
FB9
C28
1uF
C29
10nF
C30
27pF
R6
49.9
C24
47pF
R7
0
LO3_P SH3
R9
0
DNI
R10
49.9
C32
47pF
R13
0
LO3_M SH3
R15
0
DNI
R17 SHARES A PAD W/ R67 OR R68
FB10
C35
1uF
C36
10nF
C37
27pF
R16
49.9
C34
47pF
R17
0
AMP_IN SH3
R20
0
DNI
R22
49.9
C41
47pF
R23
0
R26
0
DNI
R56
49.9
FB11
C38
1uF
C39
10nF
C40
27pF
R18
49.9
C33
47pF
R19
0
LO4M 1
J3
LO_DIFFM_OUT
R21
0
DNI
R24
49.9
C42
47pF
R25
0
LO4P 1
J4
LO_DIFFP_OUT
R27
0
DNI
VCC_PLL = 3.3VDC
VCC_3P3 = 3.3VDC
[300MHz - 4.8GHz]
[300MHz - 4.8GHz]
TEXAS INSTRUMENTS
Title
TSW3065
Size
B
Document Number
TRF3765
Rev
A
Engineer: H MOHAMMED
Drawn By: JV SMITH
Date: Thursday, October 06, 2011
Sheet 1 of 5

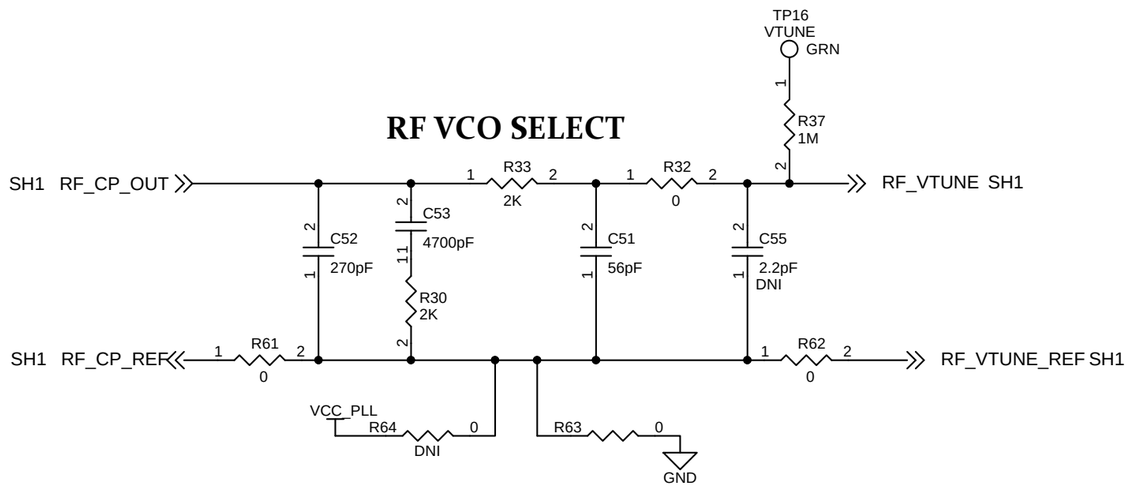
SERIAL INTERFACE



DIP SWITCH POSITION D6,D5,D4,D3	FREQUENCY(MHz)
0001	950
0010	1960
0100	2140
1000	3500
1111	USB CONTROL

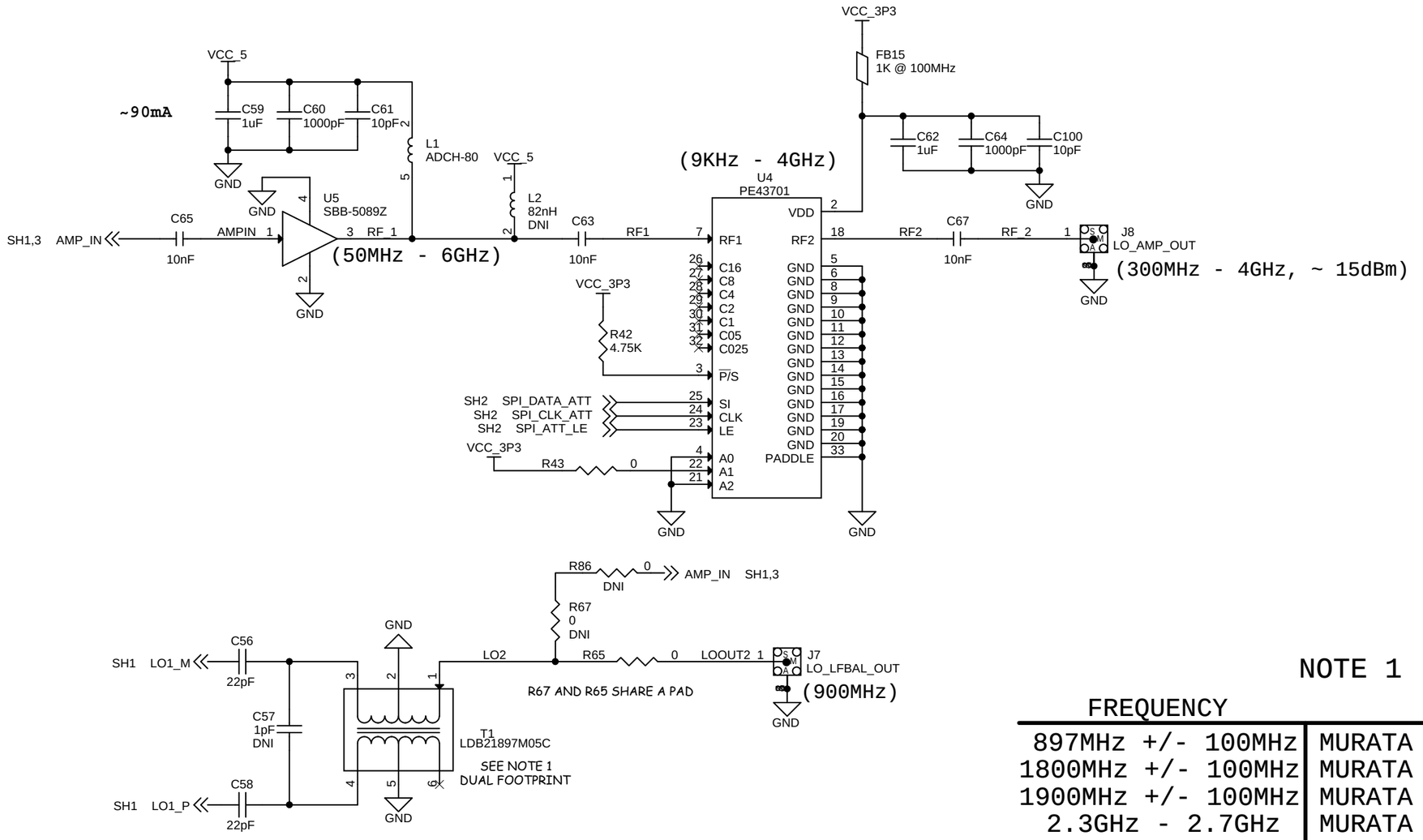
LO_OUT FREQUENCY SELECT

RF VCO SELECT



TEXAS INSTRUMENTS

Title: TSW3065		
Size: B	Document Number: SERIAL I/F	Rev: A
Date: Thursday, October 06, 2011	Sheet 2 of 5	



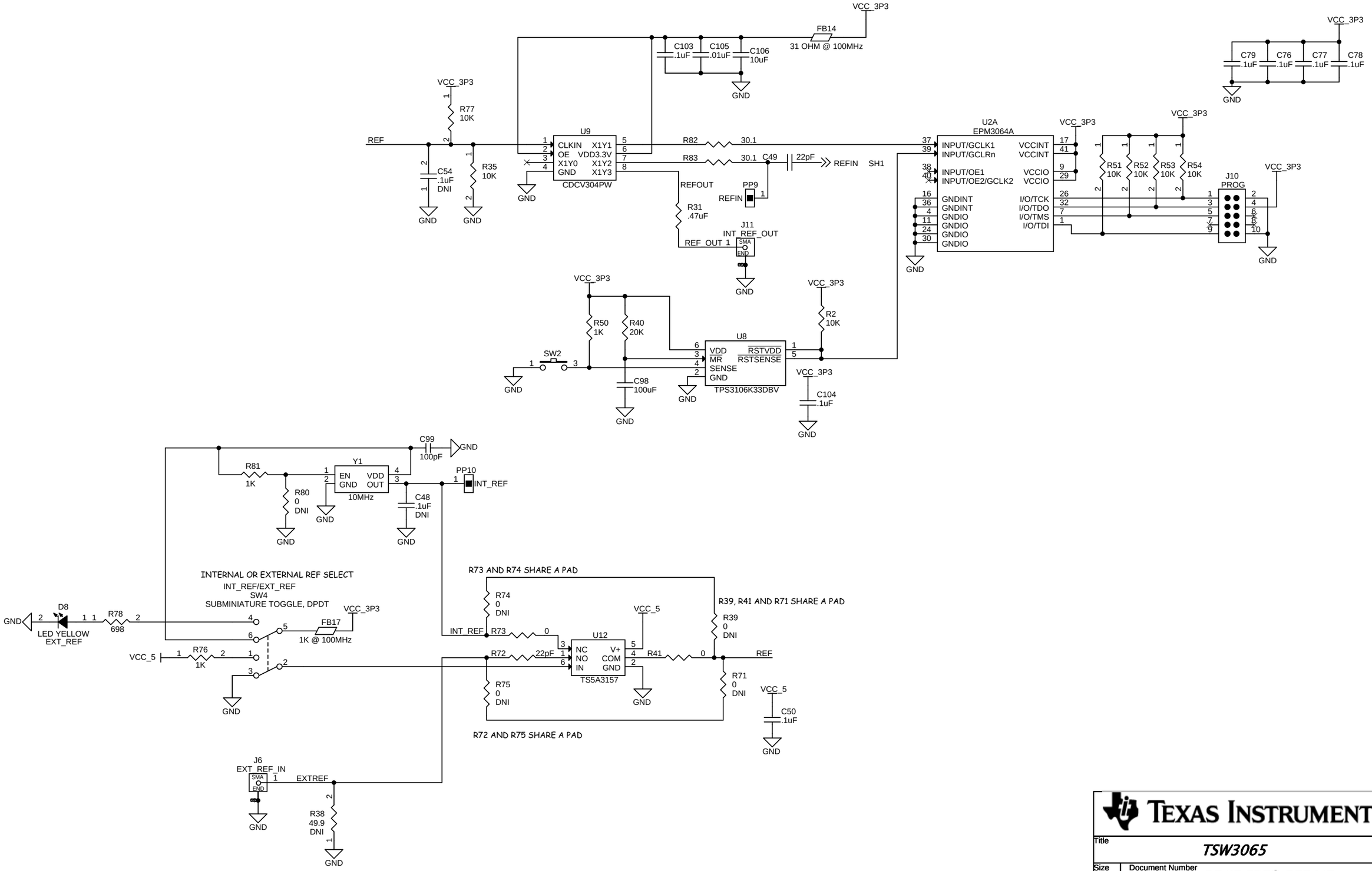
NOTE 1

FREQUENCY	RF BALUN	CAP
897MHz +/- 100MHz	MURATA LDB21897M005C-001	22pF
1800MHz +/- 100MHz	MURATA LDB211G8005C-001	10pF
1900MHz +/- 100MHz	MURATA LDB211G9005C-001	10pF
2.3GHz - 2.7GHz	MURATA LDB212G4005C-001	4.7pF
3.3GHz - 3.8GHz	JOHANSON 3600BL14M050E	3.9pF

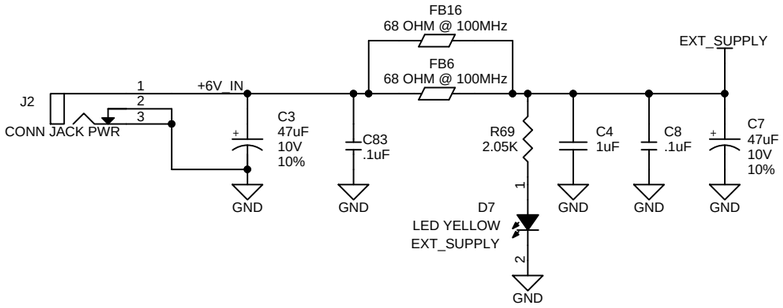
TEXAS INSTRUMENTS

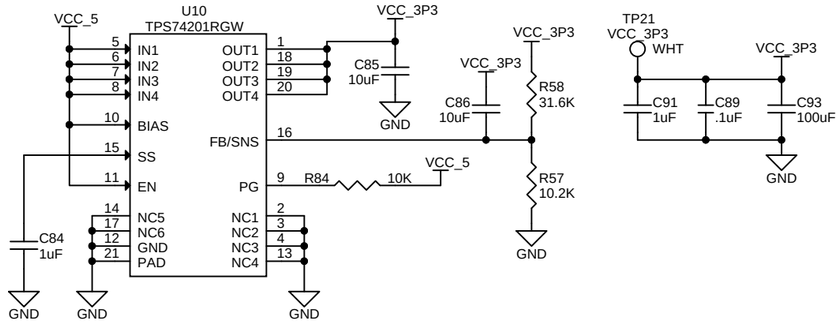
Title: *TSW3065*		
Size: B	Document Number: RF CHAIN	Rev: A
Date: Thursday, October 06, 2011	Sheet 3 of 5	

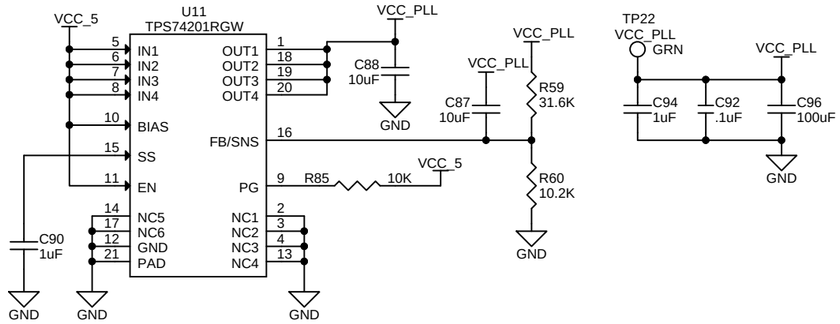
RF/IF FREQ REF INTERFACE

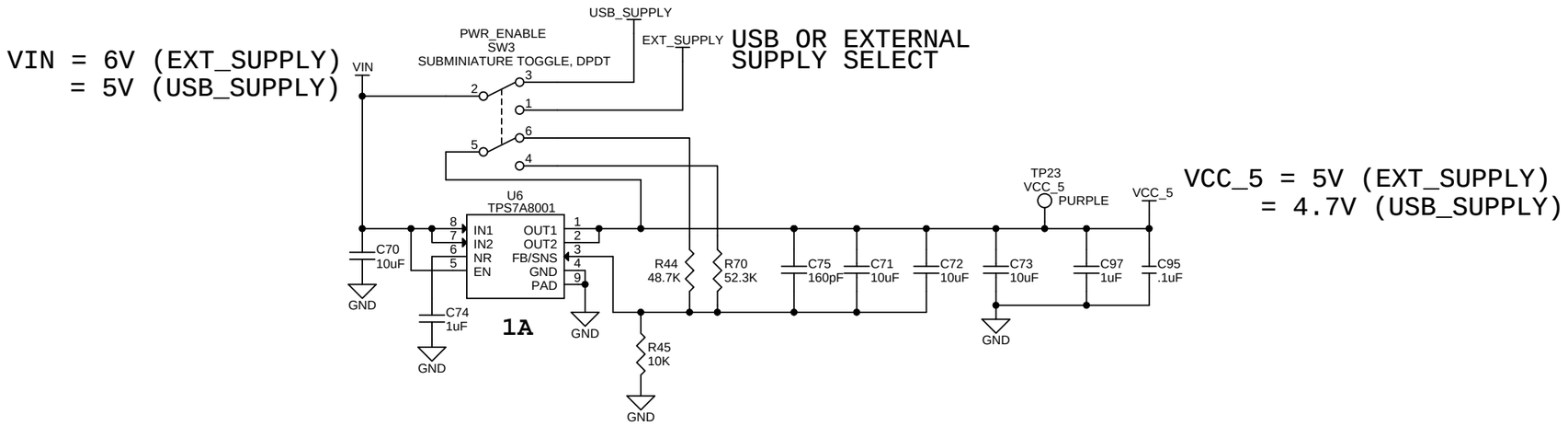


Title	TSW3065	
Size: B	Document Number: RF/IF FREQ REF I/F	Rev: A
Date: Tuesday, January 03, 2012	Sheet 4 of 5	

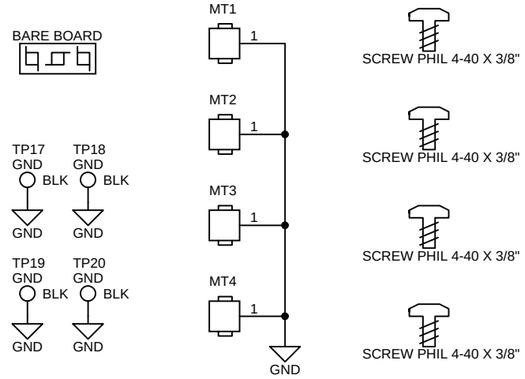








MOUNTING HOLES AND HARDWARE



TEXAS INSTRUMENTS

Title: *TSW3065*		
Size: B	Document Number: VREGS & HARDWARE	Rev: A
Date: Tuesday, October 04, 2011	Sheet 5 of 5	