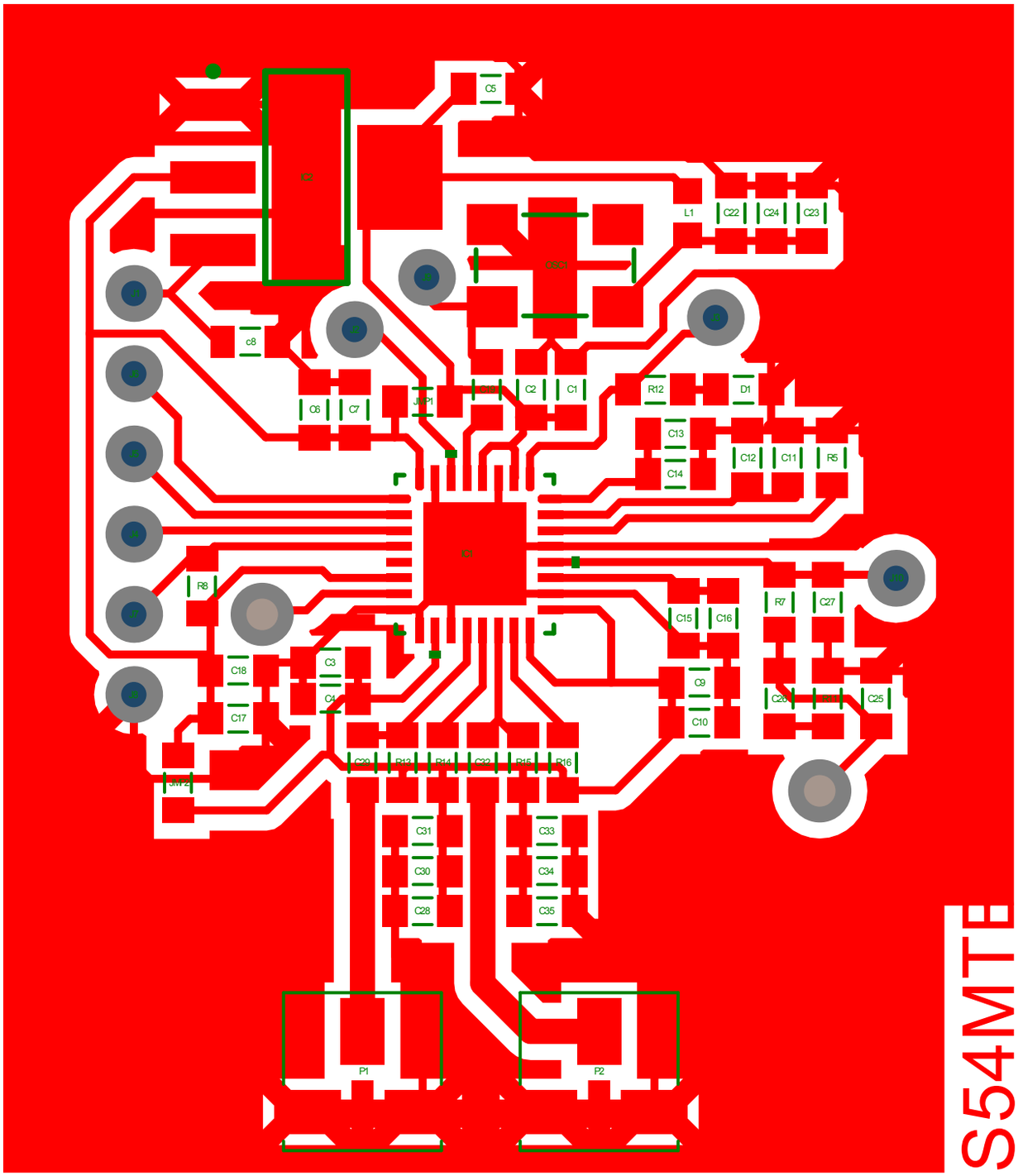
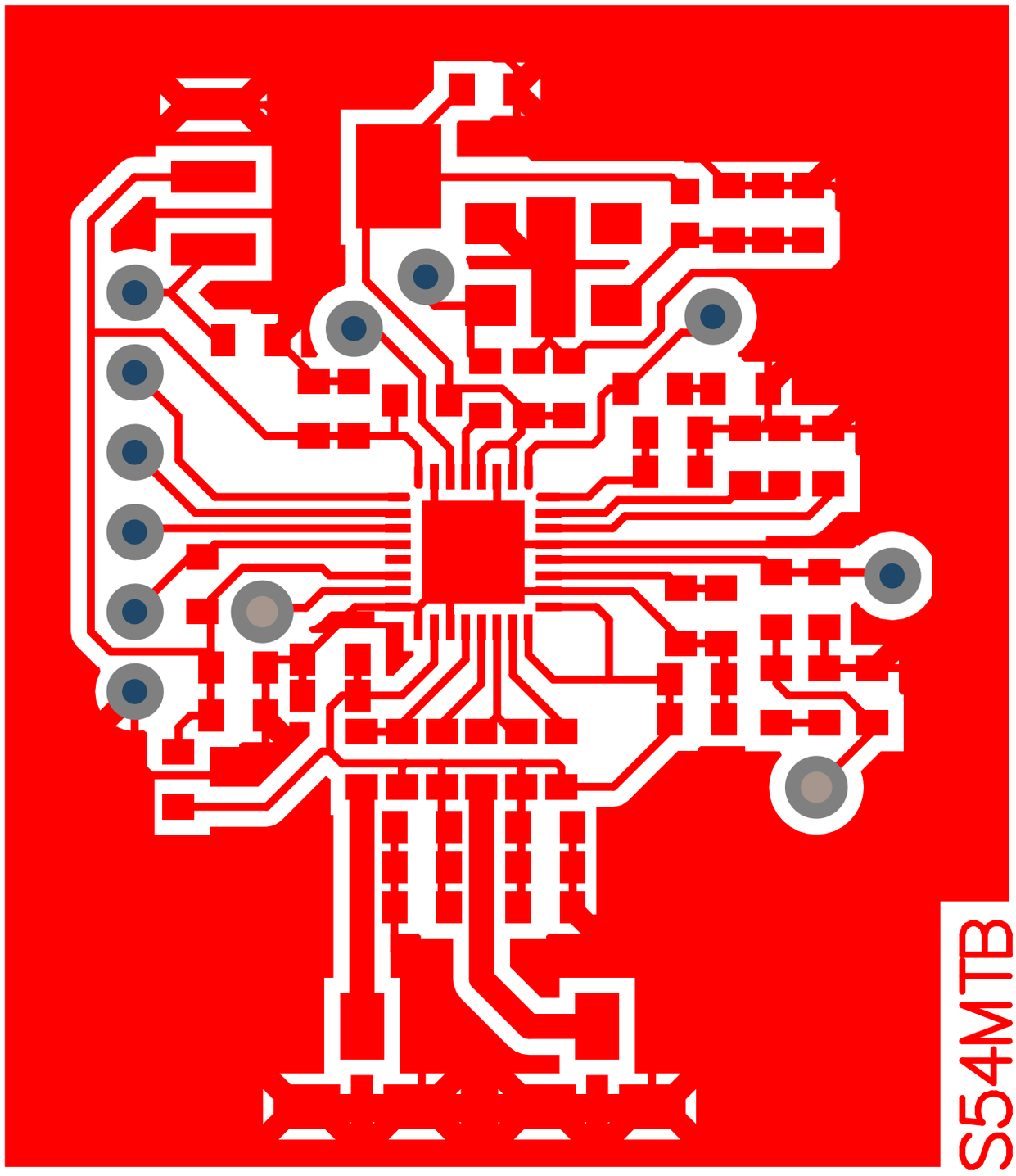
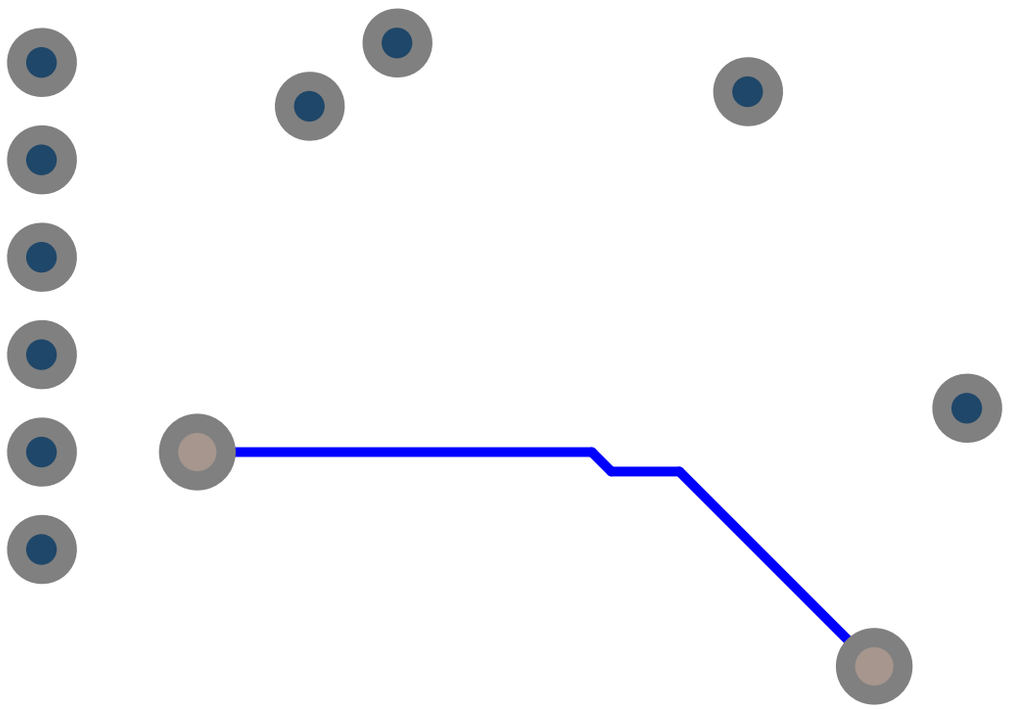
ADF4351-Proto

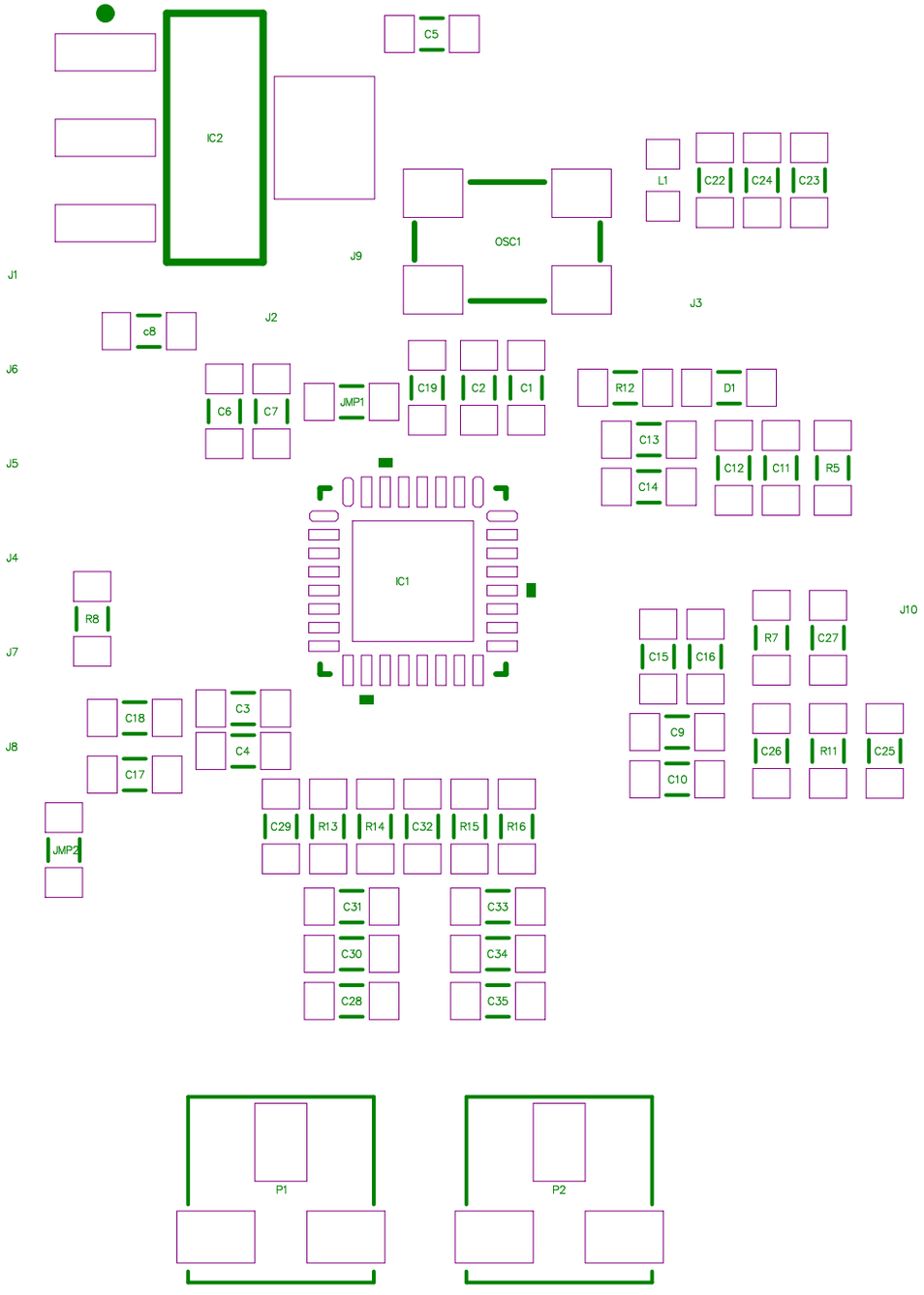
Vin
CLK
DATA
LE
CE
GND

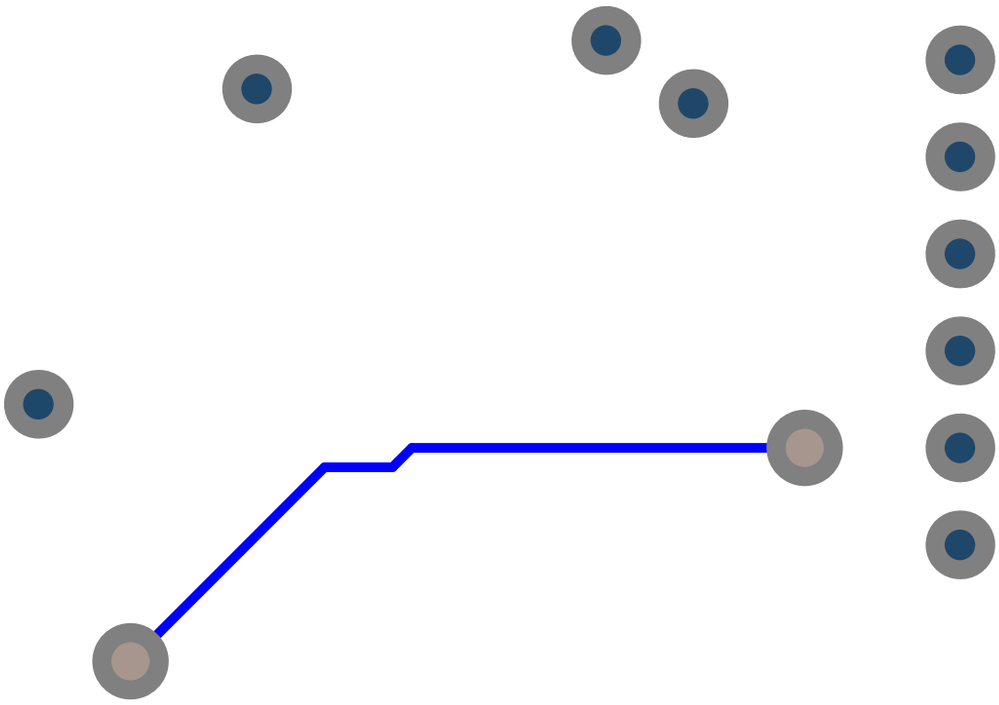


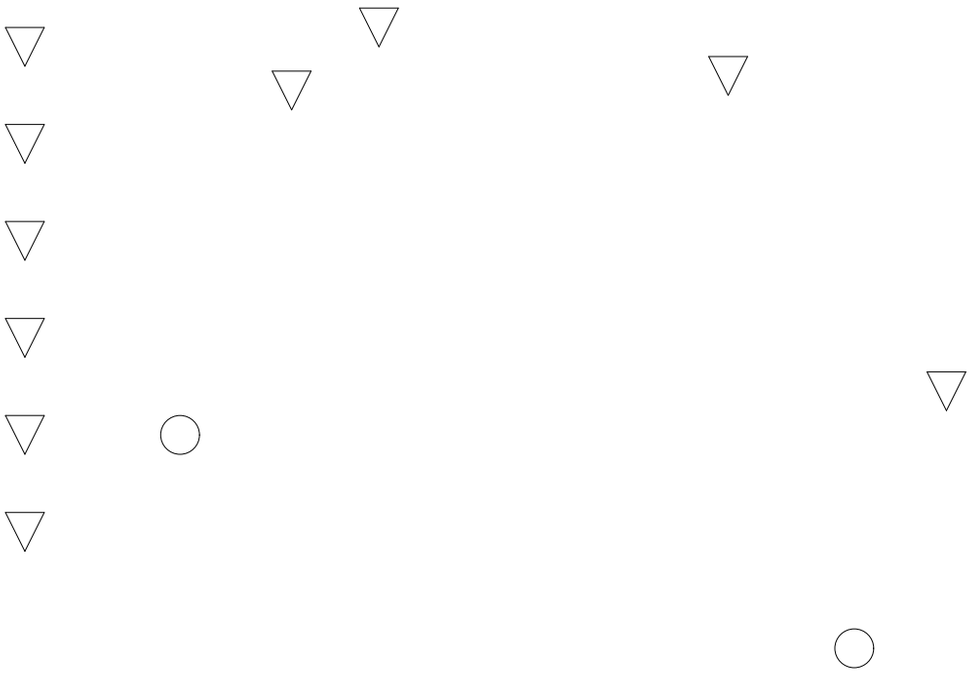
ADF4351-Proto

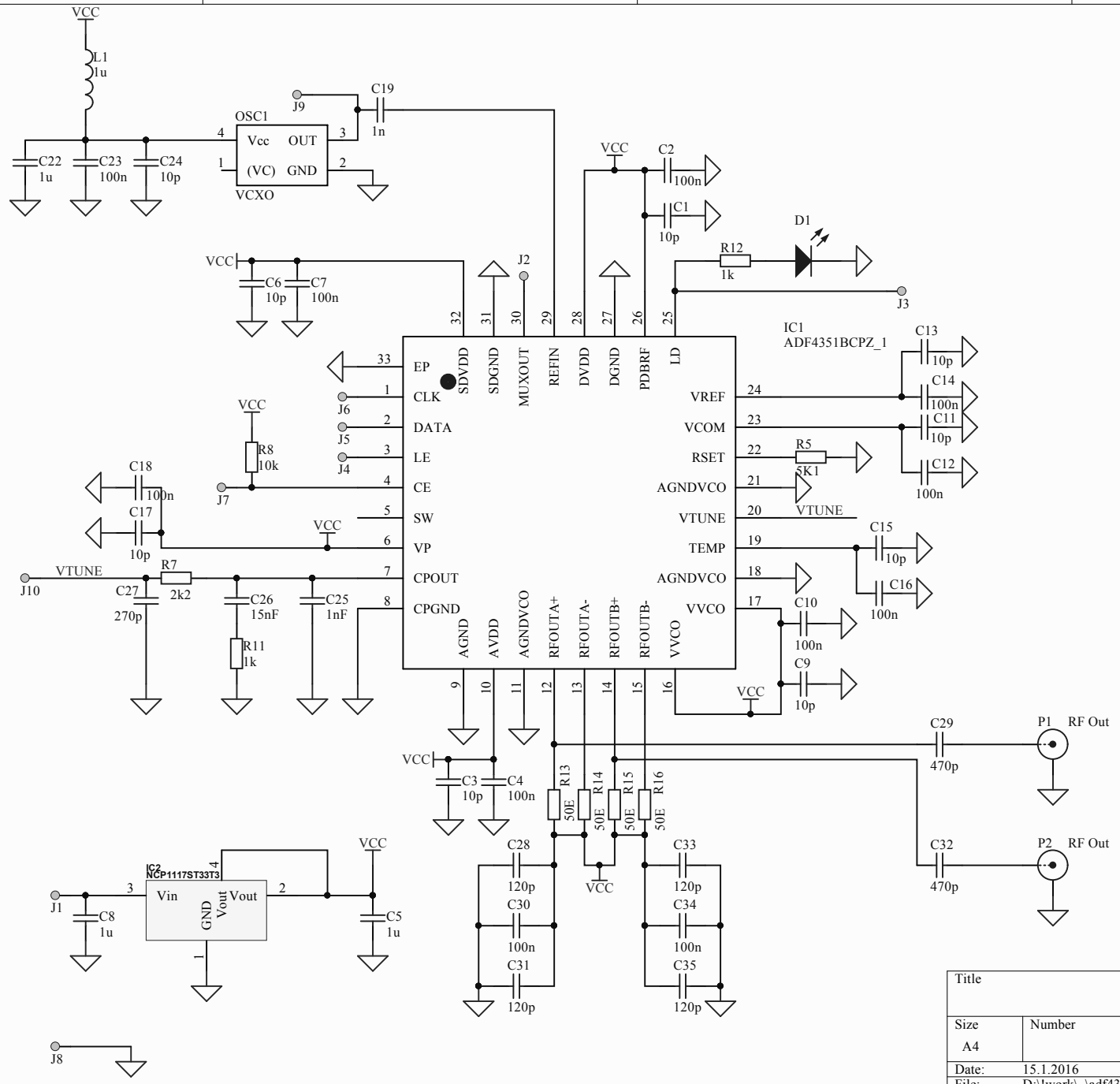





IC2
C5
L1
C22
C24
C23
OSC1
J9
J1
J3
J2
c8
J6
C19
C2
C1
R12
D1
C6
C7
JMP1
C13
C12
C11
R5
C14
J5
IC1
J4
R8
J10
R7
C27
C15
C16
J7
C9
C18
C3
C4
C26
R11
C25
C10
J8
C17
C29
R13
R14
C32
R15
R16
JMP2
C31
C33
C30
C34
C28
C35
P1
P2






VCC
L1
1u
C22
1u
C23
100n
C24
10p
OSC1
Vcc
OUT
(VC)
GND
VCXO
J9
C19
1n
C2
100n
C1
10p
D1
R12
1k
J3
J2
C6
10p
C7
100n
IC1
ADF4351BCPZ_1
EP
CLK
DATA
LE
CE
SW
VP
CPOUT
CPGND
SDVDD
SDGND
MUXOUT
REFIN
DVDD
DGND
PDBRF
LD
VREF
VCOM
RSET
AGNDVCO
VTUNE
TEMP
VVCO
AGND
AVDD
RFOUTA+
RFOUTA-
RFOUTB+
RFOUTB-
J6
J5
J4
J7
R8
10k
C18
100n
C17
10p
R7
2k2
C27
270p
C26
15nF
R11
1k
C25
1nF
J10
C13
10p
C14
100n
C11
10p
C12
100n
R5
5K1
C15
10p
C16
100n
C10
100n
C9
10p
C29
470p
C32
470p
P1
RF Out
P2
RF Out
C3
10p
C4
100n
R13
50E
R14
50E
R15
50E
R16
50E
C28
120p
C30
100n
C31
120p
C33
120p
C34
100n
C35
120p
IC2
NCP1117ST33T3
Vin
GND
Vout
J1
C8
1u
C5
1u
J8
Title
Size
A4
Number
Revision
Date:
15.1.2016
Sheet of
File:
D:\!work\..\adf4351-proto.SchDoc
Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity	Value
10p	Capacitor	C1, C3, C6, C9, C11, C13, C15, C17, C24	0603	Cap	9	
100n	Capacitor	C2, C4, C7, C10, C12, C14, C16, C18, C23, C30, C34	0603	Cap	11	
1u	Capacitor	C5, C8, C22	0603	Cap	3	
1n	Capacitor	C19	0603	Cap	1	
1nF	Capacitor	C25	0603	Cap	1	
15nF	Capacitor	C26	0603	Cap	1	
270p	Capacitor	C27	0603	Cap	1	
120p	Capacitor	C28, C31, C33, C35	0603	Cap	4	
470p	Capacitor	C29, C32	0603	Cap	2	
LED3	Typical BLUE SiC LED	D1	0603	LED3	1	
ADF4351BCPZ_1	Imported	IC1	CP_32_2	ADF4351BCPZ_1	1	Value
NCP1117ST33T3		IC2	SOT223_M	VOLTREG_LD1117S33	1	
TP		J1, J2, J3, J4, J5, J6, J7, J8, J9, J10	En_pin_TP	En_pin	10	
1u	Inductor	L1	1608[0603]	Inductor	1	10mH
VCXO		OSC1	xco-5x3.2mm	VCXO	1	
RF Out	SMB Straight Connector	P1, P2	AMP - 6-1460820-1 - JACK	SMB	2	
5K1	Resistor	R5	0603	Res2	1	
2k2	Resistor	R7	0603	Res2	1	
10k	Resistor	R8	0603	Res2	1	
1k	Resistor	R11, R12	0603	Res2	2	
50E	Resistor	R13, R14, R15, R16	0603	Res2	4	